



GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



1.3: Curriculum Enrichment

1.3.1: Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

- a) PG syllabus**
- b) UG syllabus**
- c) Certificate Course**
- d) Code of Conduct**
- e) Additional activities related to Professional Ethics, Gender, Human Values, Environment and Sustainability**

PG SYLLABUS

(ABILITY ENHANCING
COMPULSORY COURSE, ABILITY
ENHANCING COURSE, GENERIC
ELECTIVE)

AECC-1

A- Environmental Sustainability (3 Credit)

B- Swachha Bharat Abhiyan Activities (2 Credits)

Each credit requires 10 hours of teaching- learning for theory and 20 hours for practical assignment field work.

A-Unit -1 Environmental ethics & ecosystem: Concept of sustainable development with reference to human values in western and Indian perspective, sustainable development & conservation of natural resources (Nature, factors, structure, development and people participation) development, environment- rural and urban, concept of Ecosystem.

A-Unit -2 Development and its effect on environment: Environment Pollution - water, air, noise etc. due to Urbanisation, Industrial civilization, Concept of Global Warming, Climatic Change, Green House Effect, Acid rain, Ozone layer depletion. Menace of encroachment of exotic plants particularly parthenium and trees with special reference to impact on habit & habitat on indigenous flora & fauna.

A-Unit -3 Concept of Bio-diversity and its conservation: Environmental Degradation and conservation. Govt. Policies, Social effects and role of social reforms in this direction. Role of science in conservation of environment concept of Three 'R' (reduce, reuse, recycle). Need of environmental education and awareness programme and ecological economics.


B-Unit -4 Swachha Bharat Abhiyan: The concept of Swachhata as personal, Gandhian approach towards social and environmental moral values & concept of swachhata and its relation to moral upgradation of society and freedom struggle. Awareness Programme related to Swachhata. Role of 'Swachchagrahis' in Swachha Bharat Abhiyan.

Sanitation and hygiene, why sanitation is needed, sanitation and human rights, plantation, value of nature, concept of community participation and role of state agencies. Case study of Sanitation, effects of cleanliness, diseases - infectious and vector - born Idea of spread of diseases through body and other biological fluids and excreta.

B-Unit-5 Assignment/Practical/field work based on unit-4

or

Alternative to unit-4 and unit-5 a student can also enrol for Swachha Bharat Internship programme of MHRD.


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Human Values and Professional Ethics (3 Credits)**Gender Sensitization (2 Credits)**

(One credit requires ten hours of theory and twenty hours of practical/assignment/field work)

Unit – 1: Variety of Moral Issues, Principals of Ethics and Morality:-

Understanding the Harmony in the Society (society being an extension of family), Integrity, Work Ethic, Courage, Empathy, Self Confidence, Professional Ideas and Virtues. Ethics as a Subset of Morality, Ethics and Organizations, Duties and Rights of employees and employers.

Unit – 2: Holistic approach to corporate ethics:-

Vedantic Ethics – Tagore, Vivekanand, Gandhi and Aurobindo on Ethics, Ethics in Finance, Business and Environment. Professional Rights, Intellectual Property Rights, Corporate Responsibility. Social Audit and Ethical Investing, Computer and Ethics.

Unit – 3: Professional Ethics:-

Augmenting Universal Human Order, Characteristics of people-friendly and eco-friendly production, Strategy for Transition from the Present State to Universal Human Order, At the Level of Individual- as Socially and Ecologically Responsible Technologists and Managers, At the Level of Society- as Mutually Enriching Institutions and Organizations. Case studies of typical holistic technologies and management patterns.

Unit – 4: Gender – An Overview:-

Gender: Definition, nature and evolution, culture, tradition, historicity; Gender spectrum: biological, sociological, psychological conditioning; Gender based division of labour – domestic work and use value.

Unit – 5: Gender – Contemporary perspectives

Gender justice and human rights: international perspectives, Gender : constitutional and legal perspectives, media & gender, Gender: emerging issues and challenges.

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Generic Elective (GE) course	
Course title: Graphic Designing	
Course code: GE-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- IV	
Course content:	
Unit	Topics
I	HTML5 and CSS3: General Introduction to Internet and WWW, Text tags, Graphics, Video and Sound Tags, Link and Anchor Tags, Table Tags, Form Tags, Miscellaneous tags (layers, image maps etc), Events, Web sockets, CSS3, API, Example Applications, etc.
II	PHP Programming and MySQL: Programming constructs, Variable/Constants, GET & POST, Files, User defined Functions, BuiltIn Functions, Cookies, Sessions, Error Handling, MySQL tools and its integration, AJAX, XML, Object Orientation, Form, Facebook and Paypal Integration, Example Applications.
III	Java script and jQuery: Java script – Basic data types, control structures, functions, arrays and objects, events, html DOM, cookies, error handling, multimedia, animation, Example Applications, jQuery – Basics, Selectors, Attributes, DOM, Events, AJAX, CSS, UI, Plug-ins.
IV	Content Management and SEO: WordPress – Installation, Settings, Categories, Posts, Media, Pages, Tags, Links, Comments, Plugins, theme. SEO – Introduction, thumb rules, methods, keyword & title optimization.
V	Assignment / Field Work based and Unit I, II, III and IV.

Note: Students who enrolled for WEB DESIGNING as AEC in Semester II will not be allowed to take Graphic Design as a GE course in Semester IV

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Generic Elective (GE) course	
Course title: Inclusive Policies	
Course code: GE-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- IV	
Course content:	
Unit	Topics
I	Concept of Inclusive Policy: a. Meaning and Nature of inclusive policy b. Exclusion and Inclusion Controversy, caste based Exclusion
II	Right of Individual and their Redressal a. State Policies and the Rights of Individual b. Obstacles in the fulfilment of Individual Rights, Poverty, Illiteracy, Under Development, Government Policies
III	Sources of Inclusive Policies a. Constitutional Provisions and Inclusive Policies b. Ideas of Amartya Sen.
IV	Inclusive Policies and Human Rights a. Social, Economic, Political and Legal Structure of the Country. b. Bureaucratic corruption, police Atrocities and criminal judicial process.
V	Assignment / Field Work based and Unit I, II, III and IV.

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Generic Elective (GE) course	
Course title: Human Rights	
Course code: GE-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- IV	
Course content:	
Unit	Topics
I	Conceptual Aspects of Human Rights a. Meaning and Concept of Human Rights b. Human Rights, Natural Rights, Civil Rights, Political Rights and Legal Rights.
II	Evolution of the Concept of Human Rights a. Magna Carta, The united state declaration of Independence: The French Declaration of the Rights of Man and the Citizen: United state Bill of Rights: Geneva Convention of 1864: Universal declaration of Human Rights, 1948. b. International Bill of Rights, Significance of Universal Declaration of Human Rights International Covenant on Civil and political Rights, International Covenant on Economic, Social and cultural Rights.
III	Diversity, Multiculturalism and Human Rights a. Value of Diversity: Collective Cultural Rights and the Idea of Universal Human Rights: Multiculturalism and Minority Rights: protection and promotion of Human Rights in Multicultural Societies. b. Beyond Universal Human Rights: Universalism of human Rights: Nation-State and the Right to national Self-Determination: state Sovereignty and the Politics of Universal Human rights.
IV	Theoretical aspects of Human rights. a. Theories of Human rights-Liberal Perspective-Locke, Rousseau, J.S. Mill, Marxian Perspective-Marx, Gramsci b. Feminist Perspective of Human Rights.
V	Assignment / Field Work based and Unit I, II, III and IV.

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Generic Elective (GE) Course**Credit - 5****Family Management**

(One credit requires ten hours of theory and twenty hours of practical/assignment/field work)

Unit 1 : Concept of typical Indian family:

Indian society and Indian family, importance of relationship within family, similarities and dissimilarities in between Indian and western family, definite role of family members.

Unit 2 : Food production and cleanliness:

Cooking - art or science, personal grooming, hygiene & uniform, Do's and don'ts while working in the kitchen, Domestic Food Production, nutrition- Balanced Diet and its function, effect of heat on fat, carbohydrates, proteins, vitamins and minerals. Cholesterol and trans fats and related diseases. Disease producing microbes.

Unit 3 : House keeping:

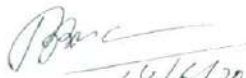
Equipment handling, care & cleaning & identification of cleaning equipments; Care, cleaning & polishing of surfaces – metals, glass, floor, carpets; Paints, daily cleaning of rooms and bath rooms.

Unit 4 : Safety & health care:

Psychology – child care and care of the elderly. Basic human anatomy and physiology (skeleton, respiratory, circulatory, excretory, nervous & reproductive systems). First aid care in different accidents (hemorrhage, asphyxia, shock & unconsciousness, cardiac arrest, burns, insect bite, snake bite, poisoning, injury etc.). Nursing, first aid box, importance of group practice of yoga and exercise.

Unit 5 : Importance of communication and care in family:

Leadership in family, communication gap between generations, significance of soft-skill, Indian laws related to family problems, understanding and misunderstanding within the family members and among close relatives, in-laws etc. Necessity of small investments for family members.


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Ability Enhancement Course (AEC) / Skill Enhancement Course (SEC)	
Course title: Computers & ICT	
Course code: AEC-1 Or SEC-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course content:	
Unit	Topics
I	Basics of 'Computer System': What is a computer? Computer System components – Hardware and Software. Introduction to the terms - Motherboard, SMPS, Processor, RAM, ROM, Ports and Cards. Broad overview of different makes of these components, their availability in the market and their prices.
II	Basics of 'Operating Systems': Introduction to Unix/Linux Operating System. Introduction to Windows Operating System. Basic operations on Unix/Linux and Windows Operating Systems.
III	Information Management: Document Processing and e-Documentation using Word processor like open office. Statistical and Graphical data analysis using spread sheet and statistical packages. Data / Information communication and presentation using PowerPoint.
IV	SSD (Special Skill Development) Detailed study on any one of the following three using Spoken Tutorial: a. Latex b. Accounting software c. Spread sheet using Spoken tutorial d. Matlab/Scilab
V	Networking Basic:- Network topologies, LAN, MAN, WAN, TCP/IP, Knowledge of Networking hardware, Service/Client, Interface. Internet Connectivity
VI	Assignment / Field Work based and Unit I, II, III and IV.

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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title : Web Designing	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: This paper is designed to enable student to learn basic components required to design and manage a website. The emphasis is given on hands-on training so as to enable students to design their own website.	
Course objectives: To expose students to the technology of web site design and to introduce various tools and languages required for dynamic and creative design of state-of-the-art web sites.	
Course content:	
Unit	Topics
I	HTML5 and CSS3: General Introduction to Internet and WWW, Text tags, Graphics, Video and Sound Tags, Link and Anchor Tags, Table Tags, Form Tags, Miscellaneous tags (layers, image maps etc), Events, Web sockets, CSS3, API, Example Applications, etc.
II	PHP Programming and My SQL: Programming constructs, Variable/Constants, GET & POST, Files, User defined Functions, Built-in Functions, Cookies, Sessions, Error Handling, MySQL tools and its integration, AJAX, XML, Object Orientation, Form, Facebook and Paypal Integration, Example Applications.
III	Java script and jQuery: Java script – Basic data types, control structures, functions, arrays and objects, events, html DOM, cookies, error handling, multimedia, animation, Example Applications, jQuery – Basics, Selectors, Attributes, DOM, Events, AJAX, CSS, UI, Plug-ins.
IV	Content Management and SEO: WordPress – Installation, Settings, Categories, Posts, Media, Pages, Tags, Links, Comments, Plug-in, theme. SEO – Introduction, thumb rules, methods, keyword & title optimization.
V	Lab/Assignment/hand-on training based on Unit I, II, III and IV
Learning outcomes: On completion of this course, the students would: 1. Have a strong foundation to undertake specialized courses in the field of web designing. 2. Develop their own website and manage it.	
The laboratory work will consist of 9-15 Experiments: <ol style="list-style-type: none"> 1. Practicing basic HTML tags, text tags test styles, paragraph styles, headings, lists, Forms, Tables, Link and Anchor Tags etc. 2. Including graphics, video and sound in web pages, Layers & Image Maps 3. Creating animated Gifs, simple flash animations 4. Cascading Style sheets 5. Creating and browsing XML database 6. Installing web server, setting PHP, Creating client and back end script with GET & POST methods (connecting HTML). 7. MySQL commands/tools and this integration with PHP 8. Exercises covering basic introduction to JavaScript and jQuery 9. Development of a web site using Word Press involving a variety of tools practiced above. 	

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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)

Course title: : Derivatives and Risk Management		
Course code:	AEC-1/SEC-1	Learning Hours- 50
Course offered in: Semester 2		
<p>Course description: Every investment activity entails an element of risk, even bank fixed deposits once considered to be free from risk are subject to risk like interest rate, inflation and default risk. Therefore, managing risk is one of the Prime Concern for every investor. At the same time, Speculators feel the requirement of such a financial instrument that can help in having gain at a low cost. The answer to all these is understanding and practicing DERIVATIVES.</p> <p>The derivatives are most modern financial instruments in hedging risk. The individuals and firms who wish to avoid or reduce risk can deal with the others who are willing to accept the risk for a price. A common place where such transactions take place is called the 'derivative market'</p>		
<p>Course objectives:</p> <ol style="list-style-type: none"> 1. To develop skills among the students who are planning to pursue their career in Finance and Banking Sector. 2. To develop knowledge among the students to enable them to take decision under the most difficult situation led by uncertainties in the competitive business world. 		
Course content:		
Sl. No.	Topics	No. of Periods
1	Introduction:- Risk as an Investment Strategy- managing risk in the corporate world- credit Risk V/s Market Risk- Default Risk-Foreign Exchange Risk- Interest rate Risk- Systematic Risk and Non-Systematic Risk-Hedging Scheme-Delta-Theta-Gama-vegas-Rho	10
2	Risk and Derivatives based Hedging Strategies Risk Associated with Investment <ul style="list-style-type: none"> • Systematic Risk • Non Systematic Risk Hedging- Risk Management <ul style="list-style-type: none"> • Strategy of Diversification of portfolio • Strategy of Active Portfolio Management Hedging/Risk Management Through Derivatives: <ul style="list-style-type: none"> • Short Hedge • Long Hedge 	10
3	Financial Markets and Derivatives: Financial Markets: <ul style="list-style-type: none"> • Money Market • Capital Market Order-Driven Market and Types of Orders Traders in Derivatives Market- <ul style="list-style-type: none"> • Hedger • Spectator • Arbitrageur 	10
4	Derivatives: A Birds eye view Introduction Different derivative transactions: option contract Pay offs from option contract Futures transaction- <ul style="list-style-type: none"> • Features of Futures transaction 	10

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	<ul style="list-style-type: none"> • Margin Deposit-initial margin and mark-to-market margin <p>Forward transaction-</p> <ul style="list-style-type: none"> • Features of forward transaction • Difference of between options, futures and forward contracts 	
5	<p>SWAP</p> <ul style="list-style-type: none"> • Foreign Exchange Swap • Interest Rate Swap (Plain Vanilla SWAP) • Cross Currency SWAP(Total Loan SWAP) • Derivatives Trading at NSE-Commodity Derivatives Trading in India <p>CASE STUDIES</p>	10
<p>Learning outcomes: By the end of the course students should be able to understand the mechanism of managing and handling risk which explicitly addresses the uncertainties of the competitive corporate world of 21st century.</p>		
<p>A Few Topics for Case Studies: Risk management as Decision-making Process in the Banking Sector-Risk and Uncertain business world-managing risk under the conditions of uncertainty- investment strategy and Risk- Impact of Systematic risk in project-management-importance of the knowledge of various types of risk associated with the investment-Hedging Strategy for Portfolio-delta Hedging-static delta Hedging and Dynamic delta Hedging-theta, gamma, Vegas and Rho Hedging..</p>		
<p>Assignments: Each student has to prepare a dissertation on any topic related to any of the Unit. The dissertation should include the following heads:</p> <ol style="list-style-type: none"> 1. Preface 2. Definition 3. Review of Literature 4. Methodology 5. Observations/Case Study 6. Relevance 7. Decisions 8. Conclusions 9. Reference 		
<p>List Of Books:</p> <ol style="list-style-type: none"> 1. Derivatives and Risk Management by Dhanesh Kumar Khatri-Macmillian Publishers India Limited, Delhi. 2. The Essentials of Risk Management by Michel Crouhy, Dan Galai ISBN: 0071818510/978-0071818513 3. Credit Risk management for Indian Banks by K. Vaidyanthan-Sage Publishing. 4. Risk Management by Indian institute of Banking 5. Risk Management and Financial Institutions by John C. Hull-Published by John Wiley and Sons, New Jersey. 6. Risk Management by Paul Hopkin-Published on Amazon.com 7. Fundamentals of Risk Management: Understanding Evaluating an implementing effective Risk Management by Paul Hopkin-Published on Amazon.Com.Uk, Publisher Kogan Page. 8. Essentials of Risk Management by Michel Crouhy-Publisher MCGraw Hill Education. 9. Essentials of Financial Risk Management by Horcher-Publisher Wiley Bartlett-Publisher Rutledge. 		

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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: Solid Waste Management	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester-II	
Course description: The course would cover-general introduction including definition of solid wastes– municipal waste, biomedical waste, hazardous waste, e-waste ; legal issues and requirements for solid waste management; sampling and characterization of solid waste.	
Course objectives: <ol style="list-style-type: none"> 1. Understanding of problems of municipal waste, biomedical waste, hazardous waste, e-waste, Industrial waste etc. 2. Become aware of Environment and health impacts of solid waste mismanagement 	
Course content:	
Unit	Topics
I	General introduction including definitions of solid waste including municipal, hospital and industrial solid waste; E-wastes; legal issues and requirements for solid waste management; Solid waste management rules, 2016.
II	Health and environmental issues related to solid waste management
III	Methods of waste collection, collection techniques, waste container compatibility, waste storage requirements, transportation of solid wastes
IV	Treatment and disposal techniques for solid wastes–composting: Composting, Vermicomposting, Autoclaving, Microwaving, Incineration, Non-incineration thermal techniques, Landfilling
V	Source Reduction, Product Recovery and Recycling Recovery of Biological Conversion Products: Composts and Biogas Incineration and Energy Recovery Integrated Waste Management (IWM)
Learning outcomes: After completion of the course students should be able to characterize solid waste; analysis of hazardous waste constituents; understand health and environmental issues related to solid waste management; apply steps in solid waste management-waste reduction at source, collection techniques, materials and resource recovery/recycling, transport, optimization of solid waste transport, treatment and disposal techniques	
Practical: <ol style="list-style-type: none"> 1. Awareness about disposal of different wastes in waste-bin (Concept of disposal of Biodegradable, Non-biodegradable and bio hazardous wastes in different coloured bins) 2. Method of composting 3. Method of vermicomposting 4. Autoclaving 5. Bio-gas production 	

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Assignments:

1. Global and Indian issues related to Solid wastes
2. Health issues related to solid waste management
3. Environmental issues related to solid waste management
4. Disposal methods for biodegradable wastes
5. Disposal methods for Non-biodegradable wastes
6. Disposal methods for Recyclable wastes
7. Biomedical wastes and their disposal methods
8. E-wastes and their disposal
9. Landfilling method of solid waste disposal
10. Vermicomposting method of solid waste disposal etc.

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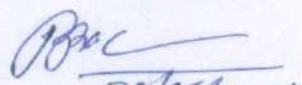
Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: : Mushroom Technology	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: The course would cover-general introduction about fungi including a general life cycle of Mushroom, Edible and Poisonous mushroom, Different aspects of mushroom cultivation in relation to environment, Nutritional value of mushrooms, Economic importance and health benefits of mushroom. Identification of mushroom by spore print method. Production method of edible mushrooms – Button and oyster mushroom; Preservation method for mushroom fruiting body- drying. Diseases of mushroom caused by bacteria, fungi and viruses and its control.	
Course objectives: 1. Cultivation methods for edible varieties of mushroom. 2. Preservation method for mushroom fruiting body as well as its spore and mycelium. 3. Awareness of health benefits of mushroom consumption.	
Course content:	
Unit	Topics
I	General introduction about fungi including a general life cycle of Mushroom; Edible and Poisonous mushroom; Different aspects of mushroom cultivation in relation to environment; Economic importance and health benefits of mushroom.
II	Production method of some edible mushroom – Button mushroom (<i>Agaricus bisporus</i>), oyster mushroom (<i>Pleurotus sajorcaju</i>).
III	Preservation method for mushroom fruiting body-drying; Diseases on mushroom caused by bacteria, fungi and viruses and its control.
IV	Isolation and culture of spores, culture media preparation. Production of mother culture, mother spawn, commercial spawn.
V	Different methods of maintenance of mushroom culture and its strain preservation
Learning outcomes: After completion of the course students should be able to understand the cultivation methods for the production of mushrooms viz. Button, Oyster; diseases on mushroom and its remedial measure; preservation method for mushroom fruiting body and its spore as well as mycelium; social, economical, environmental and health benefits of mushroom consumption.	
Practical: 1. Production of mother culture by spore culture. 2. Cultivation of Oyster mushroom. 3. Spore print and microscopic examination of mushroom spore and mycelium. 4. Preservation of mushroom by drying.	
Assignments: 1. Edible mushroom cultivated in India 2. Poisonous mushroom. 3. Cultivation method for Button and Oyster mushrooms. 4. Nutritional and other health benefits of mushrooms. 5. Mushroom spawn production methods etc.	


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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: Biofertilizer Technology	
Course code: AEC-1/SEC-1	Credit 5 (There shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: The course would cover-general introduction about different types of biofertilizers. Edible and Different aspects of biofertilizers production in relation to environment protection, soil enrichment and other benefits. Production methods of different types of biofertilizers.	
Course objectives: <ol style="list-style-type: none"> 1. Structure and characteristic features of different microorganisms used as biofertilizers. 2. Cultivation methods for different types of biofertilizers. 3. Awareness of environmental and agricultural benefits of biofertilizers. 	
Course content:	
Unit	Topics
I	Introduction to biofertilizers-Structure and characteristic features of the following biofertilizer organisms: Bacteria: <i>Azotobacter</i> , <i>Rhizobium</i> . <i>Cyanobacteria</i> ., <i>Nostoc</i> .
II	Nitrogenous Biofertilizers: Bacteria - Isolation and purification of <i>Azotobacter</i> , mass multiplication <i>Azotobacter</i> , formulation of inoculum of <i>Azotobacter</i> . Methods of application of <i>Azotobacter</i> inoculants. Isolation and purification of <i>Rhizobium</i> , mass multiplication and inoculum production of <i>Rhizobium</i> , Methods of application of <i>Rhizobium</i> inoculants.
III	Isolation and purification of <i>Cyanobacteria</i> - Mass multiplication of cyanobacterial bioinoculants - Trough or Tank method, Pit method, Field method; Methods of application of cyanobacterial inoculum. <i>Azolla</i> - mass cultivation and application in rice fields.
IV	Biofertilization processes-Decomposition of organic matter and soil fertility and vermicomposting.
V	Biofertilizers - Storage, shelf life, quality control and marketing.
Learning outcomes: After completion of the course students should be able to understand the cultivation methods for the production of different types of biofertilizers and their benefits.	
Practical: <ol style="list-style-type: none"> 1. Isolation and identification different types of microorganisms used as bio-fertilizers. 2. Mass Cultivation of <i>Azotobacter</i>. 3. Mass cultivation of <i>Nostoc</i>. 	
Assignments: <ol style="list-style-type: none"> 1. Biofertilizers cultivated in India 2. Environmental benefits of biofertilizers. 3. Agricultural benefits of biofertilizers. 4. <i>Azotobacter</i> as biofertilizer 5. <i>Rhizobium</i> as biofertilizer 6. <i>Cyanobacteria</i> as biofertilizer 7. <i>Azolla</i> as biofertilizer etc. 	


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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: : Environmental Law and Policy	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: Law and policy plays a major role in the conservation and management of natural resources as well as pollution control. This course intends to introduce the students to the vast field of Environmental Law and Policy. The course would be divided into three broad areas. The first part would cover the basic concepts and principles of Environmental Law. This would include judicial precedents, which now forms an essential part of environmental jurisprudence. The second part would be divided into specific introductory modules on forests and wild life including bio-diversity related laws; Air and Water related laws including mega projects and marine laws; and laws relating to hazardous substances. The third part would discuss the role of judiciary including the National Green Tribunal in protecting the environment.	
Course objectives: <ol style="list-style-type: none"> 1. To provide an overview of the law and policies relating to environment both at the national and international level. 2. To critically analyse the implementation of these laws and the role of adjudicatory bodies in the field Of environment. 	
Course content:	
Unit	Topics
I	Introduction: Environment: meaning and components Environment vs Development debates, trigger events, business and environmental law, a brief introduction to SDGs. Introduction to environmental laws in India; Constitutional provisions, an overview of the laws General principles in Environmental law: Precautionary principle; Polluter pays principle; Sustainable development; Public trust doctrine.
II	Forest, Wildlife and Biodiversity related laws: Evolution and Jurisprudence of Forest and Wildlife laws; Colonial forest policies; Forest policies after independence. Statutory framework on Forests, Wildlife and Biodiversity: IFA, 1927; WLPA, 1972; FCA, 1980; Biological Diversity Act, 2002; Forest Rights Act, 2006. Strategies for conservation–Dolphin, Tiger, Elephant, Rhino
III	Air and Water Laws National Water Policy Laws relating to prevention of pollution, access and management of water and institutional mechanism: Water Act, 1974; Water Cess Act, 1977, EPA, 1986. Pollution Control Boards Ground water and law Legal framework on Air pollution: Air Act, 1981; EPA, 1986 as amended to date including rules and notifications issued under it.
IV	Environment protection laws and large Projects Legal framework on environment protection–Environment Protection Act as the framework legislation–strength and weaknesses; EIA. Marine laws of India; Coastal zone regulations, Wetland conservation.
V	Judicial remedies and the role of National Green Tribunal Role of judiciary in environmental protection; Infrastructure projects and the Indian judiciary.

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Learning outcomes:

On completion of this course, the students would:

1. Have a strong foundation to undertake specialized courses in the field of environmental laws and policy
2. Develop an inter-disciplinary approach to the issues relating to environment.

Assignments:

1. Environmental laws in India
2. Evolution and Jurisprudence of Forest and Wildlife laws
3. Legal framework on Air pollution
4. Biological Diversity law
5. Role of judiciary in environmental protection
6. Air Laws
7. Water Laws
8. Wetland conservation etc.

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Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: : Tourism And Hospitality Management	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: The course is designed to enable students to learn various components of tourism and hospitality industry like tour arrangements, transportation, hospitality and travel circuits. This course will enable students to earn required skills needed for self-employment and employment for others.	
Course objectives: The aim of the course is to provide elementary knowledge of tourism industry including transportation, hotel, destination and future scopes.	
Course content:	
Unit	Topics
I	Introduction: Overview of tourism industry. Concept of tourism. Why it is important to study tourism? Scope of tourism and its economic importance. Impact of Tourism.
II	Elements of Tourism: Attraction, accessibility, accommodation, tourism product, characteristics of tourism products, types of products and tourism. Hotel Industry, Hotel Chains, Departments of Hotel. Tourist Guide and Escort. Public Relation.
III	Tour operation: Travel Agency and Tour Operator, Travel related documents, Passport, Visa, currency regulations, custom, health regulations, baggage regulations etc.
IV	Transportation: Role of transportation industry in tourism, Indian railways and its special trains (Palace on Wheels, Royal orient), airlines operating in India and international. Kind of Taxi and bus/coach services available.
V	Travel circuits: Some popular and important tourism circuits in India (golden triangle, desert circuit, Buddhist circuit, sun and sand, back waters etc) and International circuits.
Learning outcomes: On completion of this course, the students would:	
<ol style="list-style-type: none"> 1. Have a strong foundation to undertake specialized courses in the field of tourism and hospitality Management 2. Gain training for self employment and generate employment for others. 	
Assignments: Assignment will be based on Unit I, II, III, IV and V	

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(18)

Ability Enhancement Course (AEC) or Skill Enhancement Course (SEC)	
Course title: : Life and Communication Skill Development	
Course code: AEC-1/SEC-1	Credit 5 (there shall be 5 units each consisting of one credit)
Course offered in: Semester- II	
Course description: Acquisition of life skills will empower students to cope with the transitive interactions in personal and professional lives while in an age of communication the curriculum will equip students to develop expertise in the utilities of ICT in the transmission of knowledge.	
Course objectives: <ol style="list-style-type: none"> 1. To develop communication skill of students. 2. To develop writing skill of students. 3. To develop expertise in the utilities of ICT in the transmission of knowledge. 	
Course content:	
Unit	Topics
I	Life Skills: Critical thinking, Aristotle's Law of Logic, Problem solving, Creative thinking
II	Inter personal Skills: Childhood Ethics, Coping with emotions and stress, Trustworthiness and empathy, Negotiating difference of opinions
III	Communication skills: What is Communication?, Listening Skills, Speaking Skills, Reading Skills, Writing Skills, Group Discussion and Personal Interview, Barriers to Communication
IV	Specialized Writing Skills: Official letters, Business letters, Personal letters, Writing agendas, Minutes, Reports, Writing CVs, Resume, Statement of Purpose, Sending applications through mail with attachments, Rapporteuring, Documentation
V	Information and Communication Technology (ICT) Literacy: Word processor, Excel, PageMaker, Pdf conversion, Preparing PowerPoint Presentation
Learning outcomes: After completion of the course students should be able to cope with the transitive interactions in personal and professional lives. The course will equip students to develop expertise in the utilities of ICT in the transmission of knowledge.	
Assignments: Assignment will be based on Unit I, II, III, IV and V	

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Skill Enhancement Course (SEC)
Ability Enhancement Course (AEC)
Yogic Sciences

Unit – 1*

BASIC CONCEPT OF YOGA

- 1. Introduction to Yoga :** Definitions of Yoga, Thinkers on yoga and their views - Patanjali, Gherand and; Goraksh; Karma Yoga, Bhakti Yoga and Gyan Yoga : Concept and Characteristics.
- 2. Raja Yoga :** Eight steps of Yoga; Description and significance of Yamas and Niyamas.
- 3. Asanas and Pranayams :** Methods, advantages and limitations; Concept of Prana and Nadis; The subtle body, Chakras.
- 4. Pratyahara and Dharana :** Significance and techniques; Pratyahara and Dharana – Yoga Nidra, Antar Mouna, Ajapa Jap:
- 5. Hath Yoga :** Shatkarmas- their methods, benefits and limitations
- 6. Body and Mind :** Body-mind relation; the conscious, subconscious and unconscious; Psychosomatic disorders.

UNIT - 2

APPLICATIONS OF YOGA

- 1. Yogic Lifestyle and Health :** Medical concept and definition of health, Causes of disease according to medical science and yoga; Basic instincts and their management through yoga;
- 2. Diet and Nutrition :** Medical and Yogic concept of diet; the three Gunas in relation to diet.
- 3. Effect of Yoga on body systems :** The Bones and Joints, Cardiovascular, Respiratory, Digestive, Nervous, Endocrinal and Excretory systems. Preventive, Promotive and curative effects of yoga.
- 4. Stress management :** Concept and types of stress, Effects of stress on body and mind, Yogic management techniques.
- 5. Social Health management :** Causes and effects of crime and substance abuse on society, Role of yoga as supporting and transforming agent.

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UNIT - 3 (Practical)

- (i) *Pawanmuktasana* - Part I, II and III
- (ii) *Relaxation asanas* – Shawasana, Adwasana, Makarasana, Matsyakridasana.
- (iii) *Meditative Asanas* – Padmasana, Siddhasana, Siddhayoniasana, Sukhasana.
- (iv) *Standing Asanas* – Tadasana, Tiryaktadasana, Katichakrasana, Dwikonasana, Trikonasana.
- (v) *Vajrasana series* – Vajrasana, Suptavajrasana, Singhasana, Shashankasana, Ustrasana, Vyaghrasana.
- (vi) *Forward Bending Asanas* - Pashchimottanasana, Janushirasana.
- (vii) *Backward Bending Asanas* – Bhujangasana, Tiryakbhujangasana, Shalabhasana, Dhanurasana, Chakrasana, Gomukhasana, Kandhrasana

UNIT - 4 (Practical)

- (i) *Gatyatmak Asanas* – Suryanamaskar, Shankhprakhshalana Asanas.
- (ii) *Inverted Asanas* – Bhujipadmastasana, Sarvangasana, Halasana.
- (iii) *Pranayama* - Prepranayama Practices, Yogic Breathing, Nadishodhan upto stage III, Kapalhati, Bhastrika, Bhramari
- (iv) *Mudras and Kriyas* - Gyan, Chin, Shambhavi, Nasikagra, Ashwini, Khechari, Agnisar
- (v) *Bandhas* - Jalandhar, Moola, Uddiyana, Mahabandha
- (vi) *Shatkarmas* - Kunjal, Jalneti, Laghooshankhprakhshalana, Trataka.
- (vii) *Pratyahara* -Yoganidra, Antarmauna, Ajapa.

UNIT - 5

Assignment/Vocational Training

(*1 unit = 1 credit)

Unit 1+2 = 2x10 = 20 hrs

Units 3+4 (Practicals)= 2x20 = 40 hrs

Unit 5 (Vocational Training)= 10x2= 20 hours

Total Programme = 20+40+20= 80 hours


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UG SYLLABUS
(HIGHLIGHTED PORTIONS OF
SYLLABUS DEALING WITH
PROFESSIONAL ETHICS, GENDER,
HUMAN VALUES, ENVIRONMENT
AND SUSTAINABILITY)

Group-A: Anatomy

1. Meristematic tissue - their structure, distribution and function.
2. Mechanical tissue -their structure, distribution & function.
3. Organization of tissue in relation to environment, (Ecological and Anatomy).
4. Anomalous secondary growth in-Bignonia, Nyctanthes, Achyranthes, Boerhaavia , Tecoma, Dracaena .
5. Root-stem transition.

Embryology

1. Various development processes in Microsporogenesis, male gametophyte megasporogenesis in female gametophyte, Endosperm, Embryogenesis.
2. Importance of anther and embryo culture.

Group-B: Applied Botany

1. Use of plants in medicine and idea about important drug yielding plants.
2. Agricultural and horticultural products of Bihar with special reference to oil seeds pulses, cereals, fruits, fibres and timber especially found in Bihar.
3. Idea of tissue culture with special reference to plant propagation.
4. **Utilization of wastes and Biogas resources.**

Paper-III & IV (Practical)

Time: 4 Hours]

[Full Marks: 50

(Phanerograms & Applied Botany)

1. Study of the living and fossil Gymnosperms (Vegetative and reproductive parts).
2. Description and identifications of an angiospermic plant up to genus only from the families prescribed in the course.
3. Test of carbohydrates, lipids and proteins in oil seeds, pulses, fruits and vegetables.
4. Internal anatomy of primary and secondary (Both normal and abnormal) of angiospermic plant.
5. Comment upon spots (4) from the syllabus.
6. Class Record.
7. Viva-voce .

B. Sc. Part – II BOTANY (GENERAL COURSE)

The examiners are to set five questions from each of the two groups out of which the candidates are required to answer five questions attempting at least two questions from each group.

GROUP-A

Plant Physiology and Biochemistry

1. Physiology of water and mineral absorption.
2. Transpiration stomata movement.
3. Mineral nutrition of the plants-role of macro nutrients.
4. Enzymes-Natures, mode of action factors affecting enzyme activity.
5. Photosynthesis- Mechanism and Factors.
6. Respiration aerobic and anaerobic (Glycolysis. Kreb's cycle and electron transport).
7. Nitrogen metabolism-Nitrate reduction amino acids, Protein Structure and types. Symbiotic and assymbiotic-nitrogen fixation.
8. Phytohormones: Auxins and Gibberllin (discovery structure and role)
9. Growth-Measurements, factors affecting growth rule of light, temperature and humidity.
10. Movements-General account.

GROUP-B

MICROBIOLOGY

1. A general account of bacteria, viruses and their economic importance.
2. Role of microbes in agriculture and industry.

3. Important plant diseases of Bihar. Etiology Symptoms and control of the following:
- (i) Late blight of potato, (ii) Rust of wheat,
 - (iii) Red root of sugarcane, (iv) Tobacco mosaic virus.

PAPER-II (Practical)

Time: 3 Hours]

[Full Marks: 25

1. Experiments in Plant physiology and Biochemistry.
 - (a) Test for carbohydrate, protein, amino acids and starch seed.
 - (b) Compare transpiration, mesophytic and xerophytic leaves.
 - (c) O₂ is evolved during photosynthesis.
 - (d) Compare the rate of imbibition of fatty and starchy seeds.
 - (e) Compare the rate of absorption and transpiration.
 - (f) Moll's experiment.
2. Symptoms and morbid anatomy of the diseases prescribed in the course.
3. Comment upon the spots covering the courses of Paper-II.
4. Class record.

Time: 3 Hours]

[Full Marks: 75

BOTANY (SUBSIDIARY COURSE)

Paper-II (Theory)

(Angiosperm, Plant Physiology and Environmental Biology)

Ten questions are to be set four from Group A & B and two from Group C. Out of which two questions from each A & B Groups and one from Group C are to be answered.

GROUP-A

1. **Angiosperms:** (A) Morphology and Taxonomy.
 - (i) Importance classification of angiosperms with reference system of Bentham & Hooker and Hutchinson.
 - (ii) Naming of genus and Species.
 - (iii) Diagnostic features affinities and economic importance of the following families-(1) Ranunculaceae (2) Cucurbitaceae (3) Euphorbiaceae (4) Amaranthaceae (5) Acanthaceae (6) Lamiaceae (7) Apocynaceae (8) Poaceae (9) Cyperaceae.
2. **Anatomy:**
 - (i) Cell structure and tissue systems. (ii) Meristems. (iii) Root stem transition. (iv) Initiation and activity of cambium including abnormal behaviour, Primary and Secondary growth in roots and stems.
3. **Embryology:** (i) Life cycle of a typical flowering plant based on major events in the development of anther, Microspore ovule. Embryosac fertilization, Endosperm, Embryo and seed.

GROUP-B

4. **Plant Physiology:**
 - i. Water relation, Absorption of water and Salts
 - ii. Transpiration.
 - iii. Mineral nutrition- Role of major and minor element.
 - iv. Enzymes-Nature, properties & Classification
 - v. Photosynthesis- Photophosphorylation calvin cycles and factors affecting Photo-synthesis.
 - vi. Translocation of Organic substances.
 - vii. Respiration- Glycolysis, Krebs's Cycle and Factors affecting respiration.
 - viii. Nitrogen metabolism-Nitrogen fixation and Protein synthesis.

GROUP-C

5. **Environmental Biology:**
 - i. Pollution.
 - ii. Soil-Types, water holding capacity, reclamation.

iii. Plant communities and ecosystem. iv. Succession (Hydrosere and Xerosere).

BOTANY PRACTICAL (Sub. Course)
PAPER-II (Practical)

Time: 3 Hours]

[Full Marks: 25

1. To comment upon plant Physiology experiment; set up among experiment included in the Syllabus: (a) T/A ratio. (b) Ganong's Photometer- Rate of transpiration. (c) Farmer's Photometer- Rate of transpiration. (d) Unequal transpiration by CaCl_2 , method. (e) Oxygen evolution during photosynthesis. (f) Rate of Photosynthesis by Wilmott's bubbler. (g) Moll's Experiment. (h) Anaerobic respiration.
2. Description & Identification of the Plants out of the families included in the Syllabi:
3. Microscopic preparations of anatomical specimens.
4. To identify and comment upon spots covering the courses in Paper III.
5. Practical record based on class work field studies conducted through organized Botanical excursions will carry.

B.Sc. Botany Hons Part III

Part III will consist of four papers-Three papers, viz., Paper V, Paper VI and Paper VII, and one practical paper-Paper VIII, each carrying 100 marks. Each of the theory papers will be of three hours duration and the practical paper will be of six hours duration.

Instructions for each theory paper:

1. The examinees will be required to answer 5 questions out of 9 questions consisting of one compulsory objective type question, four questions of long answer type from Group A and four questions of long answer type from Group B.
2. The compulsory objective type question (numbered question no. 1) will consist of 20 items from both part (Group A & Group B) of the syllabus, and will have a statement and four plausible responses marked a, b, c and d, out of which only one will be the correct answer.
3. The questions asked from Group A and Group B separately will be of conventional long answer type and the examinees will be required to answer two questions from each group.

PAPER-V

PLANT PHYSIOLOGY & BIOCHEMISTRY
GROUP -A (PLANT PHYSIOLOGY)

1. Structure and composition of plasma membrane, brief account of earlier models, the fluid mosaic lipoprotein model.
2. Water potential in the Plant-diffusion, Osmosis, Osmotic relations of plant cell, determination of water potential.
3. Stomatal regulation of transpiration, Hormonal and Energy dependent hypothesis.
4. Active uptake of mineral salts-Role of ATPase as a carrier and related hypothesis.
5. Translocation of solutes-path, substances translocated and mechanism
6. Photosynthesis-Characterization of Photosystem I and II; electron flow through Cyclic and Non-cyclic photophosphorylations. Calvin Cycle: Hatch and Slack Pathway.
7. Respiration- Glycolysis, Krebs Cycle, Oxidative phosphorylation.
8. Phytohormones- Structure, mode of action and physiological responses of Auxins, Gibberellins and Cytokinins.

9. Physiology of Flowering-Photo-periodism, Role of phytochromes and Florigen.
10. Physiology of tropic movements in plants.

GROUP –B (BIOCHEMISTRY)

1. **Physico** - Chemical organisation and role of Mitochondria, Chloroplasts, Ribosomes and Glyoxisomes in metabolic pathways in plants.
2. **Carbohydrates** - Structure and classification.
3. **Lipids** - Classification, Biosynthesis of lipids, β -oxidation of fatty acids.
4. **Proteins** - Biosynthesis of amino acids and proteins.
5. **Enzymes**- Nomenclature, Classification, Catalytic properties, mode of action.
6. Outline of the secondary plant metabolites and their role.

PAPER -VI

CYTOGENETICS MOLECULAR BIOLOGY & PLANT BREEDING

GROUP -A: (Cytogenetics)

1. Structure and Physico-chemical organization of Eukaryotic chromosome with Nucleosome-Solenoid Concept; Polytene Chromosome and Lampbrush Chromosome.
2. Different stages of meiosis and its significance. 3. Linkage and Crossing Over.
4. Sex Determination. 5. Cytoplasmic Inheritance 6. Chromosomal Aberrations
7. Euploidy and Aneuploidy, Role of Polyploidy in Evolution and Plant Breeding
8. Mutation Molecular Basis, Induction and Role in Plant Improvement.

GROUP - B : (Molecular Biology & Plant Breeding)

1. Structure, replication and functions of DNA and RNA.
2. Genetic Code. 3. Gene fine structure and Gene regulation.
4. Genetic Counseling, Genetics and Cancer, Artificial synthesis of Genes and Genetic Engineering. 5. Conservation of Germplasm.
6. Plant Breeding - Objectives of plant breeding, breeding methods in self-pollinated and cross-pollinated plants 7. Breeding work done on Rice and Wheat in India.
8. Importance and scope of statistical methods in experimentation, Standard Error, Standard Deviation and Chi-Square. Test.

PAPER –VII (Environmental Biology)

GROUP A

1. Ecosystem and its concept with reference to grassland, freshwater and forest ecosystems. Productivity and Energy Flow- Concepts, methods of productivity measurements and energy flow models, Biogeochemical Cycling (Water, carbon and nitrogen Cycles) Ecological Pyramids.
2. Population Ecology-Population Attributes, Population Regulation (r and k selection).
3. Qualitative and Quantitative Characteristics of Plant Community.
4. Ecological Succession, Changes during succession, types, characteristics of Pioneer and climax species, Climax concept and stability.
5. Ecological Adaptations in Hydrophytes, Xerophytes and Halophytes.
6. Ecological Adaptations in C₃, C₄ and CAM Plants.

GROUP -B

1. Environmental Pollution--types (air, water and soil), effects on plants, control with emphasis on biological methods, cumulative effects on global environment-green house effect, depletion of ozone layer.
2. Vegetational types and Floristic regions of India. 3. Phyto-geographical Regions.
4. Soil Development, soil profile, physical, chemical and biological characteristics of soil.
5. Natural Resources-types, Biomass as a source of energy, non-conventional sources of energy. 6. Principles of conservation.
7. Biological diversity and ecological stability, conservation of biological diversity.

8. Brief account of the following:- MAB Programme, Biosphere reserves, Aquaculture, Wild life management, social forestry.

PAPER - VIII (PRACTICAL)

PHYSIOLOGY, BIOCHEMISTRY, ENVIRONMENTAL BIOLOGY, CYTOGENETICS

1. Detection of Alkaloids, steroids, flavonoids and tannins. **10 marks**
2. Experiments on
 - (i) Osmosis, Diffusion, Transpiration, Photo synthesis and Respiration.
 - (ii) Separation of chloroplast pigments by paper chromatography or by solvents. **20 marks**
3. (i) Determination of minimum size of the quadrat by species area curve methods- **20 marks.**
 - (ii) Determination of the water holding capacity of the soil. (iii) Determination of frequency and density in local flora.
4. (i) Study of chromosomes at different stages of mitosis/ meiosis by smear and or squash technique- **20 marks.**
 - (ii) Experiments on modification of Mendelian ratios with the help of coloured seeds.
 - (iii) Emasculation and pollination technique.
5. Viva-voce- **10 marks**
6. Class record- **10 marks.**

B. Sc. Part – III BOTANY (GENERAL COURSE)

PAPER-I (Theory)

Time: 3 Hours]

[Full Marks: 75

The examiners are to set four questions from group I and three questions with each from group II out of which candidates are required to answer five questions attempting at least one question from each group.

GROUP - I: CYTOGENETICS AND MOLECULAR BIOLOGY

1. Structure of the cell and cell organelles. 2. Mitosis and Meiosis. 3. Structure of chromosome (Physical & Chemical). 4. Mendelian laws of inheritance. 5. Physical basis of heredity. 6. Structure, replication and function of DNA and RNA, 7. Mutation.

GROUP - II: ENVIRONMENTAL BIOLOGY

1. Plant communities and ecosystem. 2. Succession (Hydrosere and Xerosere). 3. Factors affecting vegetation. 4. Major vegetational belt of India. 5. Pollution.

GROUP -III: ECONOMIC BOTANY

1. Forest wealth of Bihar with reference to timber yielding plants. 2. Important agricultural and horticultural products of Bihar with reference to pulses, oil seeds, fruits, sugarcane and vegetables. 3. Uses of plants in medicine and idea about important drug yielding plants of Bihar.

B.sc. Botany General Course

PAPER-II (Practical)

Time: 3 Hours]

[Full Marks: 25

1. Ecological adaptations in Hydrophytes xerophytes, Mesophytes, Parasites and Epiphytes. 2. Study of pH of different types of soil with the help of pH meter. 3.

B. Sc. Part - I:- ZOOLOGY (HONOURS)

Time: 3 Hours]**(Non-Chordate)****[Full Marks: 75**

In all ten questions are to be set out of which number 1 and 2 shall consist of objective (1 x 15 marks) and short answers (3 x 5) requiring questions respectively and both shall span over the whole syllabus in the paper. Students would be required to answer five questions, of which question numbered 1 and 2 shall be compulsory.

- I. Bionomics general characters and classification (up to orders) of the following Phyla: Protozoa, Porifera, Cnidaria, Ctenophora, Platyhelminthes, Aschelminthes, Annelida, Arthropoda, Mollusca, Echinodermata and Hemichordate.

Detailed study of the following types:

1. **Protozoa:** Paramecium, Parasitic protozoans and their modes of infection, Polystomella (Elphidium).
2. **Porifera:** Sycon, Canal system in sponges, affinities of the phylum.
3. **Cnidaria:** Obelia, Aurelia, Sea anemone.
4. **Ctenophora:** General organization of Hormiphora, affinities of the phylum.
5. **Platyhelminthes:** Fasciola hepatica, Teania sodium and Planaria.
6. **Aschelminthes:** Ascaris lumbricoides, Wuchereria bancrofti.
7. **Annelida:** Pheretima posthuma, Leech, Nereis.
8. **Arthropoda:** Paloemon, Peripatus, Adaptive variations in insect mouth parts. Sacculina.
9. **Ectoprocta:** Bugula.
10. **Mollusca:** Unio, Pila, Sepia, Torsion and detorsion in Gastropoda.
11. **Echinodermata:** Larval forms in Echinoderms, water Vascular System in Echinoderm.

Time: 3 Hours]

PAPER-IIA

[Full Marks: 75

(Ecology, Animal Behaviors and Biometry)

I. Ecology:

1. Concept of Biosphere (Lithosphere, hydrosphere and atmosphere).
2. Ecosystem: Definition, structure and function of typical ecosystem.
3. Structure (Abiotic and Biotic) and function (energy flow, Biogeochemical cycles) of fresh water, grassland, desert and forest ecosystems.
4. Community structure and its ecological succession.
5. Pollution and its hazards (air, water and sound).
6. Wild-life conservation: Types and measures, National Parks and Sanctuaries.

II. Animal Behaviour:

1. Scope of Ethology, Innate and learned behaviour.
2. Social behavior in insects.
3. Parental care in fishes and amphibia.
4. Brooding, nesting and migratory behavior in birds.
5. Concept of Biological clock.

III. Biometry:

Scope and application of the following statistical method in Biology.

1. Normal distribution and its attribution range, mode, median and arithmetic mean.
2. Standard error, standard deviation, Simple test and Chi-square test.

PRACTICAL
ZOOLOGY PART-I (HONOURS)

Time: 4 Hours]**PAPER-IB and IIB****[Full Marks: 50****1. Dissection: 10**

Pheretima, Leech-Alimentary canal, Reproductive, Excretory and Nervous systems.
Palaemon - Alimentary canal, Nervous system.
Unio Pila and Sepia- Nervous system, organs of Pallial complex of Pila.

2. Permanent stained preparation of the following: 05

Paramoecium gemmules, Spicules, obelical colony, Nephridia and Ovary of
Pheretima Jaw of Leech, statocyst of prawn, osphradium, radulla and gill of pila of
unio, Glochidium larva, of crustacean and Echinoderma, Pedicellariae.

3. Spotting (Each of two marks): 14

- (i) Museum specimens - 02
- (ii) Slides - 04
- (iii) Specimens relating animal behavior or parental care. - 01

4. Ecology: 06

- (i) Analysis of soil/pond biota.
- (ii) Determination of dissolved oxygen and pH of different water samples.
- (iii) Community structure of Grassland.
- (iv) Moisture content of soil sample.

5. Biometry: 05

Calculation of the arithmetic mean and standard deviation of the samples provided.

6. Record and field work. 05**7. Viva. 05**

Time: 3 Hours]**[Full Marks: 100****PAPER-V (Theory)**

In all ten questions are to be set out of which number 1 and 2 shall consist of objective (1 x 15 marks and short answers (3 x 5) requiring question respectively and both shall span over the whole syllabus in the paper. Students would be required to answer five questions, of which question number 1 and 2 shall be compulsory.

Biochemistry, Physiology & Endocrinology**Biochemistry:**

- (i) Structure and classification of Amino Acids, Protein, Carbohydrate & fats.
- (ii) Metabolism of Carbohydrate Glycolysis, Glycogenesis and Krebs cycle.
- (iii) Beta-oxidation of fatty acids.
- (iv) Vitamins -Definition, Types and functions.
- (v) pH, buffers and electrolyte dissociation.
- (vi) Enzymes classification and mechanism of action

Physiology (Mammals):

1. Physiology of digestion, Respiration (Ventilation of lungs and transport of gases), Excretion & Osmoregulation and circulation
2. Mechanism of thermoregulation.
3. Acid base balance.
4. Physiology of Vision and Hearing.

Endocrinology (Mammal):

1. Histo-physiology of the various endocrine glands.
2. Chemical nature and physiological actions of the hormones secreted by Adenohypophysis. Neurohypophysis Adrenal, thyroid, Islets of Langerhans and Gonads.

Time: 3 Hours]**PAPER-VI (Theory)****[Full Marks: 100**

In all ten questions are to be set out of which number 1 and 2 shall consist of objective (1 x 15 marks and short answers (3 x 5) requiring question respectively and both shall span over the whole syllabus in the paper. Students would be required to answer five questions, of which question number 1 and 2 shall be compulsory.

(Cell Biology, Genetics and Economic Zoology)**Cell Biology:**

1. Ultrastructure & function of the following cell organelles-Plasma membrane, mitochondria & golgi complex.
2. Ribosome & Protein synthesis.
3. Chromosomes & Giant chromosomes.
4. Active transport across cell membrane.

Genetics:

- (i) Mendelian Inheritance
- (ii) Linkage and crossing over.
- (iii) Structure and Replication of DNA; transcription, genetic code and translation.
- (iv) Chromosomal aberrations the genetic and cytological manifestations and significance.
- (v) Gene mutation and molecular mechanism of its origin.
- (vi) Extra-nuclear genetic system.
- (vii) Eugenics.

Economic Zoology:

- (i) Lac Culture
- (ii) Sericulture
- (iii) Apiculture
- (iv) Pisciculture

- (v) Elementary idea of the common pests of paddy, wheat, sugarcane and vegetables, their control.
- (vi) Vectors of kala-azar, malaria and filaria, their biology, mode of infection, prevention and control.

Time: 3 Hours]**PAPER-VII (Theory)****[Full Marks: 100**

In all ten questions are to be set out of which number 1 and 2 shall consist of objective (1 x 15 marks) and short answers (3 x 5) requiring question respectively and both shall span over the whole syllabus in the paper. Students would be required to answer five questions, of which question number 1 and 2 shall be compulsory.

(Evolution, Zoogeography & Paleozoology)**Evolution:**

- (i) Sources of hereditary variations and their role in evolution.
- (ii) Principles of evolution; Lamarckism, Neo-Lamarckism, Darwinism & Neo-Darwinism.
- (iii) Isolating mechanisms and their role in evolution.
- (iv) Mimicry and colouration.
- (v) Fossil history of Horse & Man.
- (vi) Introduction to population genetics and Hardy-Weinberg Law

Zoogeography and Paleozoology:

- (i) Zoogeographical realms of the world, their boundaries and climatic peculiarities.
- (ii) Characteristic & Peculiar fauna of Oriental, Ethiopian and Australian regions.
- (iii) Characteristics of Island fauna.
- (iv) Theories & Principles pertaining to animal distribution.
- (v) Different geological eras of the world, their duration and climatic conditions.
- (vi) Faunistic Peculiarities of Paleozoic, Mesozoic and Cenozoic eras.
- (vii) Fossils, their mode of formation & age determination.

PRACTICAL**Time: 6 Hours]****PAPER-VIII****[Full Marks: 50****(Biochemistry, Physiology & Endocrinology)****1. Biochemistry:****10**

- 1. Benedict's test for reducing sugar.
- 2. Molisch's test.
- 3. Iodine test for starch and glycogen.
- 4. Ninhydrin reaction for glycine / tyrosine / tryptophan.
- 5. Millon's reaction for glycine / tyrosine / phenylalanine.

2. Physiology:**7+7 = 14**

Experiments to be performed in frog/ bird/ mammal (Two experiments each of 7 marks)-7 + 7 marks:

- 1. Enumeration of total RBC.
- 2. Estimation of haemoglobin (gm/ 100 ml) in blood.
- 3. Determination of ESR of blood.
- 4. Determination of bleeding and clotting time.
- 5. Determination of O₂ uptake by terrestrial animal.
- 6. Simple heart-beat and muscle curve by drum method.
- 3. Dissection and display of any four of the following endocrine glands in a mammal **8**
gonad, thyroid, adrenal, Pancreas.
- 4. Identification and comment upon the histological slides (four in number) of the **2X4=8**
following: Pituitary, Adrenal, Ovary, Testes, Islets of Langerhans, Thymus, Thyroid,
Parathyroid and Vaginal smears.
- 5. Practical records- **5**
- 6. Viva- **5**

Patliputra University, Patna
Graduation
English
B.A. Part – I Hons.

PAPER – I

Time – 3 Hours

Full Marks – 100

1. History of English Literature from Elizabethan Age to Victorian Age.
 $17\frac{1}{2} \times 4 = 70$
2. History of English Language
 $15 \times 2 = 30$
 - a. Dialects of Middle English
 - b. Word Formation
 - c. Borrowings

PAPER – II

Time – 3 Hours

Full Marks – 100

- | | | | |
|----|-----------|---|-----------------------------|
| 1. | Chaucer | : | Nun's Priest's Tale |
| 2. | Donne | : | Death Be Not Proud |
| | | | Go and Catch a Falling Star |
| | | | The Sun Rising |
| 3. | Milton | : | Lycidas |
| 4. | Pope | : | Rape of the Lock |
| 5. | Coleridge | : | The Ancient Mariner |
| 6. | Arnold | : | The Scholar Gypsy |

Distribution of Marks :

Explanations (4 out of 8) $7\frac{1}{2} \times 4 = 30$

Critical Questions (4 out of 8) $15 \times 4 = 60$

Alternative questions to be set

Prosody

- | | | |
|----|--|---------|
| a. | Scanning a passage | 4 marks |
| b. | Definition of two prosodic terms / figures of speech | 6 marks |

B.A. Part – II Hons.

PAPER – III

Time – 3 Hours

Full Marks – 100

1.	Marlowe	:	Dr. Faustus
2.	Shakespeare	:	Macbeth
3.	Ben Jonson	:	Volpone
4.	Congreve	:	The Way of the World
5.	Sheridan	:	The Rivals

Distributions of Marks :

4 explanation out of 10 (2 extracts to be set from each book)	$7\frac{1}{2} \times 4 = 30$
4 critical questions out of 10 (2 from each text to be set)	$15 \times 4 = 60$

Rhetoric

a. Definition with examples of 5 rhetorical terms / figures of speech	10
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PAPER – IV

Time – 3 Hours

Full Marks – 100

1.	Ecclesiastes (from the Bible)	
2.	Jonathan Swift	: Gulliver's Travels
3.	Jane Austen	: Pride and Prejudice
4.	Charles Dickens	: Great Expectations
5.	Thomas Hardy	: Far from the Madding Crowd

Distributions of Marks :

4 explanation out of 10 (2 extracts to be set from each book)	$8 \times 4 = 32$
4 critical questions out of 10 (2 from each text to be set)	$17 \times 4 = 68$

PAPER – VI

Time – 3 Hours

Full Marks – 100

- | | | | |
|----|----------------|---|--|
| 1. | W.B. Yeats | : | Sailing to Byzantium
Among School Children
The Second Coming |
| 2. | T.S. Eliot | : | Hollowman
Love Song of J. Alfred Prufrock
Gerontion |
| 3. | G.B. Shaw | : | Pygmalion |
| 4. | D.H. Lawrence | : | The Fox |
| 5. | Hemingway | : | The Old Man and the Sea |
| 6. | Chinua Achebe | : | Things Fall Apart |
| 7. | Virginia Woolf | : | To The Light House |

Distributions of Marks :

4 explanations out of 8 8 x 4 = 32

4 critical questions to be answered out of 8 questions with alternatives on each book 17 x 4 = 68

PAPER – VII

Time – 3 Hours

Full Marks – 100

Group A : Indian Poetry in English

Ed. H.M. Prasad, Macmillan

- | | | | |
|-----|----------------|---|------------------------|
| 1. | H.L.V. Derozio | : | Poetry |
| 2. | R. N. Tagore | : | Heaven of Freedom |
| 3. | S. Aurobindo | : | The Tiger and the Deer |
| 4. | T. Dutt | : | Our Casuarina Tree |
| 5. | S. Naidu | : | The Soul's Prayer |
| 6. | N. Ezekiel | : | Night of the Scorpion |
| 7. | K. Das | : | The Old Play House |
| 8. | A.K. Ramanujan | : | The Striders |
| 9. | K.N. Daruwalla | : | Death of a Bird |
| 10. | S.K. Kumar | : | Indian Woman |
| 11. | J. Mahapatra | : | Dawn at Puri |

Group B : The Literary Heritage : A New Anthology of Indian English Prose

Ed. Prasad, Masih & Singh, Motilal Banarsidass

- | | | | |
|----|------------------|---|--------------------------------|
| 1. | S. Vivekanand | : | The Secret of Work |
| 2. | Jawaharlal Nehru | : | The Variety and Unity of India |
| 3. | Mahatma Gandhi | : | Truth and Ahimsa |
| 4. | R.K. Narayan | : | An Astrologer's Day |

- | | | | |
|----|------------|---|---------------------------|
| 5. | Raja Rao | : | The Cow of the Barricades |
| 6. | K.A. Abbas | : | The Sparrow |

Group C : Indian Fiction

- | | | | |
|----|---------------|---|-------------------------|
| 1. | M.R. Anand | : | Untouchables |
| 2. | R.K. Narayan | : | Waiting for the Mahatma |
| 3. | K. Desai | : | The Inheritance of Loss |
| 4. | K. Markandaya | : | Nectar in a Sieve |
| 5. | A. Roy | : | The God of Small Things |

Distributions of Marks :

2 explanations from Group A	10 x 2 = 20
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4 critical questions to be attempted selecting 1 from Group A, 1 from Group B and 2 from Group C.	20 x 4 = 80
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PAPER – VIII

Time – 3 Hours

Full Marks – 100

Option I : American Literature

1. Walt Whitman

Prescribed Poems:-

- a. A Song of Joys
- b. A Glimpse
- c. A Passage to India
- d. Prayer of Columbus

2. Robert Frost

Prescribed Poems:-

- a. Stopping by Woods on a Snowy Evening
- b. The Road Not Taken
- c. Nothing Gold Can Stay
- d. Fire and Ice

3. Emily Dickinson

Prescribed Poems:-

- a. I Never Lost As Much But Twice
- b. These are the Days
- c. A Bird Came Down The Walk

- d. The Grass So Little Has To Do
- | | | | |
|----|--------------------|---|--|
| 4. | Arthur Miller | : | All My Sons |
| 5. | Mark Twain | : | Huckleberry Finn |
| 6. | Melville | : | Billy Budd |
| 7. | Tennessee Williams | : | The Glass Menagerie |
| 8. | Henry James | : | The Portrait of the Artist
as a Young Man |

Distributions of Marks :

Five questions on the prescribed authors to be answered. 20 x 5 = 100

Option II : Essays

Section A : Literary Topic 50 Marks

Section B : General Topic 50 Marks

One essay from each section to be attempted out of several alternatives

Option III : Journalism and Mass Communication

Group A : Journalism

Definition of Journalism, Role of Journalism in Society, The Qualities of Good Journalism, Rights and Responsibilities of a Good Journalist, Varieties of Journalism, Social Accountability of Journalism, Definition and Characteristics of Mass Communication, Features of Communication, Barriers to Communication, Interview.

Group B : Advertising & Propaganda

Definition of Advertising and Propaganda, Distinction between Advertising and Propaganda, Role of Advertisement in Newspapers, Methods of Advertisement, Impact of Advertisement on Consumers, Role of Advertisement in Social Change.

Group C : Business Communication

स्नातक हिन्दी प्रतिष्ठा (आनर्स) प्रथम वर्ष पत्र -1

मध्यकालीन काव्य (भक्ति एवं रीतिकाव्य)

निर्देश:-प्रत्येक इकाई से कुल मिलाकर किन्हीं तीन प्रश्नों एवं तीन व्याख्याओं के उत्तर देने हैं।

निर्धारित पाठ्य पुस्तकें- काव्य- कलश- सं० देवदत्त राय
पाठ्यांश:

1. कबीर-

1. दुलहनी गावहु मंगलचार 2. मन लागा राम फकीरी में 3. एक अचम्भा देखा रे भाई 4. संतों भाई आई ग्यान की आँधी रे 5. झीनी-झीनी बीनी चदरिया 6. माया महा ठगिनी हम जानी 7. संतों ई मुरदन के गाऊँ 8. मन न रंगाए, रंगाए जोगी कपरा 9. राम सुमिरि पछताएगा 10. घूँघट का पट खोले रे 11. हरि बिनु बैल बिराने होइहैं 12. रस गगन में अजर झरै 13. अब मन जागत रहु रे भाई।

2. जायसी: पद्मावत का 'मानसरोदक' खण्ड।

3. तुलसीदास :रामचरितमानस का 'उत्तरकाण्ड' दोहा-संख्या 115 से 130 तक।

4. मीराबाई-

1. मेरे तो गिरिधर गोपाल 2. हे री मैं तो दरद दिवानी 3. बसो मेरे नैनन में नंदलाल 4. फागुन के दिन चार 5. मतवारो बादल आयों रे 6. आली रे मेरे नयनन बान परी 7. पग घुंघरू बांध मीरा नाची रे 8. सिरी गिरिधर आगे नाचूंगी 9. सुनि हों मैं हरि आवन की आवाज 10. दास बिन दुखन लागे नैन 11. माई मैं लियो रमैया मोल।

5. बिहारी :

1. सीस मुकुट कटि काछनी 2. भृकुटी मटकनि पीत पट 3. जिन दिन देखे वे कुसुम 4. चटक न छाँड़तु घटत 5. कनक-कनक ते सौ गुनी 6. को छूटियों एहि जाल परि 7. समय-समय सुंदर सबै 8. जौ चाहत चटक न घटै 9. संगति सुमति न पावहि 10. दीरघ साँस लेहि दुःख 11. एहि असा अटक्यो रहत 12. स्वारथ सुकृत न श्रम बृथा 13. इन दुखिया अँखियान कौं 14. जब-जब वे सुधि कीजिए 15. छिपयो छबीली मुख लसै 16. जप माला छापा तिलक 17. यही बिरिया नहिँ और की 18. भजन कह्यो ताँतैं भज्यों 19. अधर धरत हरि कै परत 20. कर समेटि कच भुज उलट 21. करौ कुबत जगु कुटिलता।

अथवा

मध्यकालीन हिन्दी काव्य- सं० डॉ० चंदू लाल दूबे, प्र० पूर्णिमा प्रकाशन, धारवाड़

- 1.कबीर (कुल 5 पद) - जानहु रे नर सोबहु कहा, हरि मोरा पिउ, एक निरंजन अलह मेरा, काहे रे नलिनी, चलन-चलन सबको कहत है।

इकाई 6 – बिहारी

(क) रीति सिद्ध कवि के रूप में बिहारी

(ख) बिहारी का श्रृंगार-वर्णन

(ग) बिहारी की काव्य कला

हिन्दी प्रतिष्ठा खंड- 1

द्वितीय पत्र

समय – 3 घंटे

पूर्णांक – 80

अंको का विभाजन

क– आलोचनात्मक प्रश्न – $3 \times 12 = 36$ अंक

ख– व्याख्यात्मक प्रश्न – $3 \times 8 = 24$ अंक

ग– वस्तुनिष्ठ प्रश्न – $20 \times 1 = 20$ अंक

कुल अंक – 80

नोट– यू० जी० सी० के निर्देशानुसार 20 अंक साक्षात्कार (मौखिकी) के लिए निर्धारित किए गये हैं।

स्नातक हिन्दी प्रतिष्ठा प्रथम वर्ष

पत्र – 2

(गद्य विधाएं)

(कथा साहित्य, नाटक एवं निबंध)

पाठ्यांश –

उपन्यास – 1. चित्रलेखा – भगवती चरण शर्मा

अथवा

2. जुलूस – फणीश्वरनाथ रेणु

नाटक – चन्द्रगुप्त – जयशंकर प्रसाद

गद्य तरंग – सं० डॉ० सुनील कुमार

कहानी – सद्गति, कानों में कँगना, शरणदाता, मलबे का मालिक, चीफ की दावत

निबंध – हंस का नीर – क्षीर विवेक, आचरण की सभ्यता, तुम चंदन हम पानी

आलोचनात्मक प्रश्न –

इकाई – 1

क. हिन्दी गद्य विधाओं का विकास

ख. हिन्दी कहानी की संक्षिप्त रूपरेखा

ग. हिन्दी निबंध का सामान्य परिचय

घ. हिन्दी उपन्यास की संक्षिप्त रूपरेखा

स्नातक खण्ड— दो (द्वितीय वर्ष)

पत्र — 3

आधुनिक काव्य

वर्ग — 'ख'

पाठ्यग्रंथ :-

- लहर — जयशंकर प्रसाद (मेरे नाविक, तुमुल कोलाहल, बीती बिभातरी, पेशोला की प्रतिध्वनि)
- संध्या — सूर्यकान्त त्रिपाठी निराला — बादल राग —6, स्नेह निर्झर बह गया है, सुंदरी, तोड़ती पत्थर, राजे ने रखवाली की
- तारापथ — सुमित्रानंदन पंत — मोह, प्रथम रश्मि, भारतमाता — ग्रामवासिनी
- संधिनी — महादेवी — धीरे-धीरे उत्तर क्षितिज से, मैं नीरभरी दुःख की बदली, मधुर-मधुर मेरे दीपक जल, बीन भी हूं मैं तुम्हारी रागिनी भी हूं।

वर्ग — 'ख'

काव्य कल्प — सं० डॉ० बदरीनारायण सिंह

पाठ्यांश

1. रामधारी सिंह दिनकर — परदेशी चाँद और कवि बापू हिमालय का संदेश
कलम और तलवार
2. हरिवंश राय बच्चन — मधुशाला क्या करू संवेदना लेकर तुम्हारी हलाहल, आओ हम पथ से हट जाएँ, मैं सुख पर सुखमा पर रीझा।
3. सं० ही० वा० 'अज्ञेय'— हमारा देश, यह इतनी बड़ी अनजानी दुनिया, पानी बरसा, साँप के प्रति, आँगन के पार।
4. धर्मवीर भारती — टूटा पहिया, कविता की मौत, नया रस, साँझ का बादल, फूल, मोमबत्तियाँ सपने।
5. भवानी प्रसाद मिश्र — गीत-फरोश, फूल कमल के, स्नेह-शपथ, असुंदर से गाँठ, रक्त-क्षण।
6. धूमिल — गाँव में कीर्तन, खेबली, भूख, बीस साल बाद, मकान।

अथवा

पाठ्यग्रंथ — प्रगतिशील-काव्य धार-सं० डॉ० भरत सिंह

पाठ्यांश

- माखन लाल चतुर्वेदी — कैदी और कोकिला, पुष्प की अभिलाषा, उलाहना।
- रामधारी सिंह दिनकर — हिमालय, दिल्ली, वन फूलों की ओर।
- केदार नाथ अग्रवाल — मैंने उसको, मुझे नदी से बहुत प्यार है, चंद्रगहना से लौटती वेर।
- नागार्जुन — मास्टर, यह दंतुरित मुस्कान, अकाल और उसके बाद।
- अज्ञेय — नदी के द्वीप, कलगी बाजरे की, दूर्वादल

अंको का विभाजन

क— आलोचनात्मक प्रश्न	— 3X12 =36 अंक
ख— लघु उत्तरीय प्रश्न	— 3X08 =24 अंक
ग— वस्तुनिष्ठ प्रश्न	— 20X01=20 अंक

कुल अंक — 80

नोट— यू० जी० सी० के निर्देशानुसार 20 अंक साक्षात्कार (मौखिकी) के लिए निर्धारित किए गये हैं।

खंड III

विशेष अध्ययन

स्नातक हिन्दी प्रतिष्ठा, तृतीय वर्ष

पत्र — 8

(सगुण भक्ति काव्य)

पाठ्यांश —

1. भ्रमरगीत सार — सूरदास (सं० आचार्य रामचंद्र शुक्ल) पद सं० 6, 9, 10, 108, 109, 114, 116, 125, 130, 134 (कुल 10 पद)
2. कवितावली — तुलसीदास — (गीताप्रेस, गोरखपुर) अयोध्याकांड —1, 2, 5, 6, 7, 8, 11, 18, 20, (कुल 9 पद)
3. मीरा — मीराबाई की पदावली, सं० आचार्य परशुराम चतुर्वेदी — पद सं०— 50 से 54 (कुल 5 पद)
4. रसखान — सं० रसखान रचनावली, विद्यानिवास मिश्र, पद सं०— 1, 2, 3, 31, 32, 35, 122, 125 — कुल 8 छंद
5. रहीम —
दोहे — (क) ये रहीम दर-दर फिरे
(ख) जैसे तुम हमको करी
(ग) अनुचित वचन न मानिए
(घ) जो गरीब परिहित करे
(ङ) चित्रकूट में रमि रहै
- बरवै — (क) कासन कहै सँदेसवा
(ख) बहुत दिना पर पियवा
(ग) लैके सुघर सुरुपिया

इकाई — 1.

- 1 सूरदा की कविता के आधार-स्रोत
- 2 भ्रमरगीत का दार्शनिक पक्ष
- 3 सूर की काव्यभाषा

इकाई — 2.

SYLLABUS OF B.A HISTORY

(Honours , Subsidiary & Pass Courses)

Recommendations by the Board of Studies. (History for approval)

B.A Part I (Hons)

Paper I

Full marks: - 100

Duration: - 3 hours

History of India from the Earliest time to 1206 A. D.

1. Sources of Ancient Indian History.
2. Pre-history, The method and significance
3. Indus Valley Civilization, special reference to Town Planning, Features of material culture, religion and script; social structure, decline and legacy.
4. Cultural patterns from 1500 B. C. to 600 B.C.; economy, society, polity and ideological belief as reflected in early and later vedic literature.
5. New religious movement: material and ideological background; Mahavir - Jain religion and philosophy; Gautam Buddha – Buddhist religion and philosophy.
6. Age of Mauryas - administrative organization, society, economy religion and art. Ashoka's concept of Dhamma; decline of the Mauryan Empire.
7. Development in the post Mauryan period (200 B.C to 300 A.D) special reference to Shung, Kushanas, and the Satvahanas; administrative institution, commerce, and literature.
8. The age of the Guptas; beginning and expansion of the empire under Chandragupta I , Samudragupta and Chandragupta II; administrative system , cultural development, literature, religion, and science and technology.
9. Harshvardhan - conquest and religious policy.
10. Palas - cultural contribution.
11. Origin and role of the Rajputs from 8th century A.D to 12th century A.D.
12. South India - the cultural contribution of Pallavas and Chalukyas of Vatapi and their administrative system.
13. Advent of the Arabs - political and cultural Impact.
14. Advent of the Turks - Ghaznavides & the Ghoris.

सहायक पुस्तकें :-

1. प्राचीन भारत का इततहास - मित्तल |
2. प्राचीन भारत का इततहास - कुर्ार एवं कुर्ार |
3. पोमलटिकल टहस्री ऑफ़ एन्ससयेर्ि इन्डिया - राय चौधरी |
4. प्राचीन भारत का इततहास - राधाकृष्ण चौधरी |

5. Relation between god and world – Deism, Theism, Pantheism, Panentheism.
6. Creationism and Evolutionism – Darwin's theory of Biological Evolution.
7. Theories of Truth – Correspondence, Coherence, Programmatic
8. Causality – Aristotle, Mill, Hume.

Recommended Books :

1. Gyanmimansa evam Tattvamimansa – Rajendra Prasad
2. _____ Do _____ - Kedar Nath Tiwari
3. _____ Do _____ - Ashok Kumar Verma

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part II

Philosophy – Paper III

Ethics.

1. Nature of ethics.
2. Ethical concepts – Right, good, Duty, Obligation.
3. Moral and Non-Moral Actions.
4. Analysis of Voluntary actions.
5. Postulates of morality- personality, Reason, Freedom of will.
6. Nature of Moral Judgment.
7. Object of Moral Judgment –Motive, Intention.
8. Standards of Morality- External Law, Hedonism, **Rigorism**, Intuitionism, Perfectionism.
9. **Theories of Punishment – Retributive, Deterrent or Preventive, Reformatory, Capital Punishment.**

Book Recommended :-

1. Paschatya Darshan ka Aitihāsik Sarvekshan – Shobha Nigam.
2. Paschatya Darshan –B.N. Singh
3. Western Philosophy – Y. Mosih
4. A History of Western Philosophy- Bertraned Russill.
5. A History of Western Philosophy- Frederick Coplestan.
6. A History of Western Philosophy- Frank Thilly.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part – III**Philosophy – Paper V****Philosophy of Religion**

1. Nature of Religion, Relation of Religion to science, Morality and Theology.
2. Religions Consciousness.
3. Foundation of Religions Belief – Reasons and Faith, Revelation and Mystic Experience.
4. Forms of Primitive Religion – Manaism, Totamism, Animism, Fetishism and Spiritism.
5. Proof for the existence of God – Cosmological, ontological, causal, teleological and Moral.
6. God – Attributes and Personality.
7. Problem of Evil – Natural and Moral Evil, theistic solution to the problem of Evil.
8. **Unity of Religion and Religious Tolerance.**

9. Religious Conversion and Secularism.
10. Religious Language and its Meaning.
11. Proofs for the Immortality of Soul.

Books Recommended :

1. The Philosophy of Religion – G. Galloway.
2. -----Do----- - D.M. Edward
3. -----Do ----- -Joha Hick
4. An Introduction to Religious Philosophy – Y. Masih
5. Mysticism and faith – W. T. Stace
6. Introduction to the philosophy of Religion – John Caird.
7. Dharma Darshan – Prachaya evam PPashchatya- Yakub Masih 8. Dharma Darshan ki Ruprekha – Harendra Prasad Sinha.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) – Part III

Philosophy – Paper VI

Social and Political Philosophy

1. Social philosophy- Its Nature and relation to sociology.
2. Relation between Individual and society.
3. Civic Duty.
4. Tradition and Modernity.
5. Caste and Class, Marriage and Divorce.
6. Private Property, Doctrine of Trusteeship.
7. Political Philosophy – Its Nature and its distinction from political science.
8. Political concepts ; Rights and Duties, liberty, Equality, Justice and power, Political Obligation.

9. **Political Ideologies** :- **Democracy, Socialism, Marxism communism**, Monarchy, Anarchy, Satyagraha, **Sarvodaya**.

Books Recommended :

1. Out lines of social Philosophy – J.S. Mackerjie
2. Social Philosophy for Beginners – R.N. Kaul.
3. Rajniti Shastra – V.P. Verma
4. Samaj Darshan Evam Rajniti Darshan – A.K. Verma
5. Samaj Darshan : Saidhantik evam Samasyatmak Vivechan – Dr. Hriday Narain Mishra.

Distribution of Marks

5 out of 10 = 20x5=100

B.A. (Honours) Part – III

Philosophy – Paper VII

Logic and Analysis

1. Nature of Logic, Symbolic Logic - Its Characteristics and utility, Nature of Argument- Truth and validity, simple and compound statements, implication and Negation.
2. Argument and Argument forms, Determination of validity and Invalidity with the help of Truth Table.
3. Determination of Tautology, Contradiction and contingency by truth table.
4. Determination of Material and Logical Equivalence by truth table.
5. General introduction of Analysis – word meaning, Different meaning of the word "Meaning" figurative and emotive meaning.

Modern Indian hilosophy

1. Swami Vivekanand – Absolute, Maya, Self, Four Yoga's (Gyan Yoga), Karma Yoga, Bhakti Yoga, Raja Yoga), Liberation, Universal Religion Practical, Vedanta.
2. Mahatma Gandhi – Truth and God, **Means and Ends**, Non-violence, satyagraha.

Books Recommended :

1. Bhartiya Darshan Ke Mool Sampratyaya – Karyanand
2. Samkalin Bhartiya Darshan – R.C. Sinha
3. Concepts of Indian Philosophy – N.V. Joshi
4. Contemporary Indian Philosophy – B.K. Lal
5. _____Do_____ -B.K. Lal
6. _____Do _____ = Margaret Chatterjee.

Distribution of Marks

4 out of 8 = 25x4=100

Syllabus of B.A. (Economics Hon's)

B.A. Part I

PAPER I (Micro Economics)

- **UNIT I-** Nature and scope of Economics, static and dynamic Economics, micro and macro economics
- **UNIT II- CONSUMPTION**
Utility – concept – Types and Relationship. Theories of Consumer Behaviour- Cardinal and Ordinal approaches. Demand – Concept, law of demand, Elasticity of Demand, Types of Elasticity of Demand and measurement of Elasticity of demand, Concept of consumer's Surplus.
- **UNIT III - Cost and Revenue**
Concept and Type of Cost, short Run Cost Curve and Long run cost Curve and their relationship. Revenue – Concept and types, Relationship between Revenue Curves.
- **UNIT IV– Production**
Supply – Concept, Supply Schedule and curve. Production Function, Isoquant Curves, laws of Variable Proportion.
- **UNIT V – Market-** Introduction, Element and types of Market, Prices Determinations under Perfect Competition, Role of Time Element, Pricing under Monopoly and Monopolistic Competition, Comparative study of Monopoly, and Perfect Competition.
- **UNIT VI – Distribution**
 - Marginal Productivity theory and modern theory
 - Rent - Ricardo and Modern Theory
 - Wage - Demand and Supply Theory
 - Collective Bargaining and wage determination
 - Interest - Classical and Keynesian Theory
 - Profit - Night's and Schumpeterian Theory

B.A. Part II (Macro Economics)

- **UNIT I- Money**

Function of Money in mixed economy.

Cash balance approach of money

Quantity theory of money

Inflation: its concept and causes of Inflation

Remedies to inflation in the economy

Inflationary gap: concept and remedy to

Monetary policy

- **UNIT- II National Income**

National Income: Concept and Measurement

Keynesian Theory of effective demand

Marginal Propensity to Consume: Concept and determination

Multiplier and its functioning

Investment: Functions and its Concept

- **UNIT III- Banking**

Functions of commercial Bank

Principles of commercial Bank - Liquidity and Profitability

Credit Creation: Concept and Measurement in Control Credit in the Economy

Central Bank Functions

- **UNIT IV- International Trade**

International Trade and Economic Development

Classical Theory of International Trade (Rickard)

Modern theory of International Trade (Heckscher Ohlin)

Gains from International Trade

- **UNIT V- Balance of Payment**

Concept, Reasons of disequilibrium in Balance of Payment, Measures to improve adverse balance of payment.

B.A. Part II

Paper III (Indian Economy)

- **Unit I-** Indian economy and its characteristics, challenges of developing economy.
- **Unit II-** Population: - Size, reasons of growing population, population policy. Govt. programmes of controlling population.
- **Unit- III-** Agriculture: Role of agriculture in economy development, Trends of productivity, impact of climate change on agricultural production. Green Revolution and its second Phase.
- **Unit- IV** Land Reforms: Measures taken after Independence cooperative Farming.
- **Unit V- Sources of credit: -**
 - (i) cooperative credit societies
 - (ii) Nationalized Banks
 - (iii) Regional Rural Bank
 - (iv) NABARD.
- **Unit-VI- Agriculture labour:** Problems and measures to improve their conditions. Minimum wages Act.
- **Unit-VII** (a). Industries: Industrial Policy 1948 and 1956 new economic policy 1991.
(b). Heavy Industries:
 - I. Iron and Steel
 - II. Sugar
 - III. Cotton Textile
 - IV. Cement(c). Small Scale Industries: Role, Problems and Measures to improve their problems.

- **Unit-VIII- Industrial Finance: Sources of Finance: - Industrial finance corporation, IDBI.**

- **Unit IX- Industrial Labour: Trade union growth, social security measures.**

- **Unit- X- Transport: Role of transport in economic development, Rail and Road coordination.**
- **Unit – XI- Unemployment: Types of unemployment, Govt. Employment programmes, MNREGA and its relevance.**
- **Unit- XII- Foreign Trade; Recent changes in Indian's foreign trade trend.**
- **Unit- XIII- Planning- Recent Charges in India's planning system NITI Aayog and its functioning. 12th five-year plan 2012-17.**

PAPER IV (Public Finance)

- **Unit-I Nature of public finance- Meaning, Nature and Scope of Public Finance, difference between private and public finance, Principle of maximum social Advantages.**
- **Unit- II Taxation** Definition, Types of Taxation, Direct and indirect Tax Proportional and progressive Taxation. Cost and Benefit theory of taxation ability to pay theory taxable capacity, incidence and effect of Taxation, Goods and Service tax
- **Unit- III Public Expenditure** growth and effect of public Expenditure Wagener's law of increasing Expenditure
- **Unit- IV Public Debt.** Types of Burden and different forms of Debt Repayment.
- **Unit- V Principle of Federal finances,** objectives of public enterprises and its types, Form of management, public policy of public enterprises, profitability and Accountability of public Enterprises, performance of public enterprises in Indian.
- **Unit- VII Unemployment and full employment in Indian.**

B.A. Part III

PAPER V (Economic Growth and Planning)

- **Unit –I**
 - i. Meaning of economic growth and development.
 - ii. Difference between growth and development.
 - iii. Factors of economic growth and development.
- **Unit-II**
 - I. Main feature of developing economy and challenges.
 - II. Role of state in economic growth.
- **Unit-III**
 - i. Harrod Domar's growth model, Schumpeterian growth model.

ii. Balanced and unbalanced development.

- **Unit-IV**

i. Capital formation and growth.

ii. Foreign capital and growth.

iii. Human resource and economic growth.

iv. Technology and economic growth.

- **Unit-V**

Rostow's stages of economic growth.

- **Unit-VI**

History of economic planning in India.

- **Unit-VII**

i. Relevance of Niti Aayog in India.

ii. Reasons of replacement of planning commission by Niti Aayog.

iii. Structure and Functions of Niti Aayog.

iv. History of Indian five years plan.

PAPER VI (Economic Development of U.K., U.S.S.R., Japan & U.S.A.)

Unit I – 19Th century an era of great economic development, chief characteristics of economic development.

Unit –II U. K

Industrial Revolution causes and characteristics, social and economic effect of industrial Revolution. Decline in industrial supremacy of U. K.

Unit - III USA

American Revolution and its causes, Economic, social and political effects, American Civil War factors leading to it, main effect of the civil war, great depression and its causes and steps taken to come out of it, president Roosevelt and the New Deal.

Unit – IV Russia

The Russian Economy before the resolution of 1917. New Economic Policy, scissor Crisis.

Unit – V Japan

The Muji Restoration, industrialization of Japan, Cottage and Small-scale industries in Japan. Japan's rapid economic growth in the post war period and its causes

PAPER VII (Statistics)

- **Unit-I** Definition, scope and limitations. Census and Sampling methods of survey. Primary and Secondary data.
- **Unit-II** Classification and Tabulation of data Diagrammatic and graphic representation of data.
- **Unit-III** Measures of Central Tendency Mean, Median, Mode, Harmonic Mean and Geometric Mean.

- **Unit-IV** Measures of Dispersion, Range, inter Quartile Range and Quartile Deviation Mean Deviation and Standard Deviation, Lorenz curve and its application.
- **Unit-V** Correlation and its measurement.
- **Unit-VI** Index Number, Concept and its measurement (Simple and Weighted) Problem in the construction of Index Number.

PAPER VIII (Agricultural Economics)

- **Unit I-**

- (i) Relevance of Agricultural of Agricultural Economics in Indian Economy.
- (ii) scope of agricultural economy.
- (iii) Land Reforms Measures and progress
- (iv) Types of Farming: (capitalist's co – operative and collective)

- **Unit – II** Agricultural finance:

- (i) Importance of institutional Finance
- (ii) Non- institutional financial sources. Traditional sources.
- (iii) Importance of micro finance for small farmers. Marginal Farmers.

- **Unit – III** Market:

Structure and agencies of market.
Reasons of low marketable surplus.
Regulated markets and their role, Market regulations Act.

- **Unit – IV** Farm Productivity:

Size of farm.
Factors affecting productivity.
Relationship between technology and productivity.
Govt. measures for stabilization of agricultural productivity.

- **Unit – V**

Variation in agricultural prices.
Measures to strengthen: Minimum support price/ Subsidy.
Income instability of the farmers.
Govt. measures to increase the income

- **Unit – VI**

Role of state in agricultural development.
Green revolution first phase / Second phase.
Various agricultural programmes for its development

बी.ए. संस्कृत प्रतिष्ठा (Hons.)

प्रथम खण्ड (Part-1)

प्रथम खण्ड में दो पत्र होंगे, प्रत्येक पत्र 100 अंकों का होगा और परीक्षा की अवधि तीन घंटों की होगी।

प्रथम सत्र - इतिहास एवं व्याकरण - 100 अंक

(क) संस्कृत साहित्य का इतिहास - 60 अंक

पाठ्यांश - रामायण, महाभारत, पुराण, महाकाव्य, खण्डकाव्य (गीति काव्य), रूपक, गद्यकाव्य, चम्पूकाव्य, स्तोत्रकाव्य, काव्यशास्त्र।

अंक विभाजन - आत्मनिष्ठ (Subjective) - 12x4=48

वस्तुनिष्ठ - 2x6=12

60

(ख) व्याकरण (प्रत्याहार सूत्र, संज्ञा, सन्धि एवं कारक) - 40 अंक

अंक विभाजन - सूत्र व्याकरण - 4x4=16

प्रयोग सिद्धि - 4x4=16

वस्तुनिष्ठ - 2x4=08

40

महायक ग्रन्थ सूची -

(क) 1. संस्कृत साहित्य का इतिहास - आचार्य बलदेव उपाध्याय

2. डॉ. राविलास चौधरी - मोतीलाल बनारसीदास, पटना

(ख) लघुसिद्धान्त कौमुदी व्याख्या

1. डॉ. गोविन्द प्रसाद शर्मा

2. डॉ. भीम सेन शास्त्री

3. डॉ. महेश सिंह कुशवाहा

बी.ए. भाग -1

संस्कृत ऑनर्स

द्वितीय सत्र- पदकाव्य 100 अंक

(क) मेघदूत

(ख) रघुवंशम् (प्रथम सर्ग)

(ग) किरातार्जुनीयम् (प्रथम सर्ग)

अंक विभाजन

प्रत्येक ग्रन्थ से एक एक अनुवाद (क्रमशः) 08+06+06=20

प्रत्येक ग्रन्थ से एक एक अनुवाद संस्कृत व्याख्या (क्रमशः) 08+08+08=24

प्रत्येक ग्रन्थ से एक एक अनुवाद आलोचनात्मक प्रश्न (क्रमशः) 12+12+12=36

वस्तुनिष्ठ प्रश्न तीनों से (क,ख एवं ग) 20

100

सहायक ग्रन्थ सूची

(क) मेघदूतम् (कालीदास) (1) आचार्य राम कृष्ण विनोद पुस्तक मंदिर, आगरा इत्यादि।

(ख) रघुवंशम् (कालीदास) श्री कृष्ण मणि त्रिपाठी इत्यादि।

(ग) किरातार्जुनीयम् (भारवि) आचार्य तारिणीश झा इत्यादि।

बी.ए. संस्कृत सामान्य तथा अनुपूरक

भाग -1

प्रथम पत्र-काव्य व्याकरण तथा रचना - 100

इसमें 100 अंकों का एक पत्र होगा। परीक्षा की अवधि तीन घण्टों की होगी।

(क) काव्य मेघदूत (पूर्वमेघ)

(एक अनुवाद + एक व्याख्या + एक आलोचनात्मक प्रश्न)

8+10+12=30

(ख) व्याकरण (प्रत्याहारसूत्र, सन्धि, कारक एवं शब्दरूप व धातुरूप)

(1) सूत्रार्थ

5x4=20

(2) शब्दरूप (राम, मुनि, साधु, लता, नदी, फल, पितृ, मातृ, राजन विद्वस)

5 x2=10

(3) धातु रूप (लट्, लङ्, लृट्) (भू, पठ्, गम्, कृ, अस् एध, सेव वृत् इत्यादि)

5 x2=10

(ग) रचना - वाक्यप्रयोग

5 x2=10

(घ) वस्तुनिष्ठ

2 x10=20

100

बी.ए. संस्कृत प्रतिष्ठा (Hons.)

द्वितीय खण्ड

द्वितीय खण्ड में दो पत्र होंगे। प्रत्येक पत्र 100 अंकों का होगा और परीक्षा की अवधि तीन घण्टों की होगी।
प्रत्येक पत्र में वस्तुनिष्ठ प्रश्न 20 अंकों के होंगे।

तृतीय पत्र दृश्यकाव्य (नाटक) 100 अंक

पाठ्यग्रन्थ -

- | | | | |
|-----|--------------------|---------|---------|
| (1) | स्वप्नवासवदत्तम् | मास | 40 अंक |
| (2) | अभिज्ञानशाकुन्तलम् | कालिदास | 60 अंक |
| | | | 100 अंक |

अंकविभाजन

- | | | |
|-----|---|--------------|
| (क) | वस्तुनिष्ठ प्रश्न (क्रमशः 4+6=10) | 2x10=20 अंक |
| (ख) | अनुवाद (स्वप्नवासवादत्तम् से एक तथा
अभिज्ञानशाकुन्तलम् से दो) | 6 x3=18 अंक |
| (ग) | संस्कृतव्याख्या (स्वप्नवासवादत्तम् से एक तथा
अभिज्ञानशाकुन्तलम् से दो) | 10 x3=30 अंक |
| (घ) | आलोचनात्मक प्रश्न (दोनों ग्रन्थों से एक-एक) | 16 x2=32 अंक |
| | | 100 अंक |

अनुशंसित पुस्तकें

- | | |
|-----|---|
| (1) | स्वप्नवासवदत्तम्, व्याख्याकार-गणेशदत्त शर्मा, साहित्य भंडार, मेरठ। |
| (2) | अभिज्ञानशाकुन्तलम्, व्याख्याकार-श्रीकृष्णभोग त्रिपाठी, चौ. सुरभारती प्र. वाराणसी। |

पाठ्यग्रन्थ

(1) दशकुमारचरितम् (पूर्वपीठिका-पंचम उच्छ्वास) दण्डी	40 अंक
(2) कादम्बरी (शुकनासोपदेशः) बाणभट्ट	30 अंक
(3) शिवराजविजयः (प्रथमनिश्वासः) अम्बिका दत्त व्यास	30 अंक
	100 अंक

अंकविभाजन-

(क) वस्तुनिष्ठ प्रश्न (क्रमशः 4+3+3=10)	2X10= 20 अंक
(ख) अनुवाद (तीनों ग्रन्थों में से एक-एक)	8+6+6= 20 अंक
(ग) संस्कृत व्याख्या (तीनों ग्रन्थों में से एक-एक)	10+7+7= 24 अंक
(घ) आलोचनात्मक प्रश्न (तीनों ग्रन्थों में से एक-एक)	14+11+11= 36 अंक
	100 अंक

अनुशासित पुस्तकें -

- (1) दशकुमारचरितम् (पूर्वपीठिका).
 व्याख्याकार (क) ओम प्रकाश पाण्डेय,
 चौ. पब्लिशर्स, वाराणसी।
 (ख) राजकिशोर सिंह, प्रकाशन केन्द्र, लखनऊ
- (2) शुकनासोपदेशः -
 व्याख्याकार (क) रामपाल शास्त्री, चौ. पब्लिशर्स, वाराणसी।
 (ख) रामेश्वर झा, प्रकाशन केन्द्र, लखनऊ।
- (3) शिवराजविजयः
 व्याख्याकार (क) रामशंकर मिश्र,
 चौ. सु.भा.प्र., वाराणसी
 (ख) देवनारायण मिश्र, साहित्य भण्डार, मेरठ।

बी.ए. संस्कृत सामान्य तथा अनुपूरक, पार्ट-द्वितीय

द्वितीय खण्ड (च2) में भी 100 अंकों का एक पत्र (द्वितीय पत्र) होगा। परीक्षा की अवधि तीन

घण्टों की होगी।

बी.ए. संस्कृत प्रतिष्ठा

तृतीय खण्ड

तृतीय खण्ड में चार पत्र होंगे। प्रत्येक पत्र 100 अंकों का होगा और परीक्षा की अवधि तीन घण्टों की होगी।

प्रत्येक पत्र में वस्तुनिष्ठ प्रश्न 20 अंकों के होंगे।

पंचम पत्र

वैदिकवाङ्मय

100 अंक

(क) संहिता-ऋग्वेदः

40 अंक

पाठ्यसूक्त

- (1) अग्निसूक्त (ऋ. 1.1)
- (2) सवितृसूक्त (ऋ. 1.35)
- (3) सूर्यसूक्त (ऋ. 1.115)
- (4) विष्णुसूक्त (ऋ. 1.154)
- (5) पुरुषसूक्त (ऋ. 10.90)

अंकविभाजन

वस्तुनिष्ठ प्रश्न	चार	2ग4= 08 अंक
अनुवाद	दो	5ग2= 10 अंक
संस्कृत व्याख्या	एक	10ग1= 10 अंक
देवतापरिचय	एक	12ग1= 12 अंक

अनुशंसित पुस्तकें-

- ऋक्सूत्रसङ्ग्रहः - डॉ. हरिदत्त शास्त्री
प्रकाशक-साहित्य भंडार, सुभाषवार, मेरठ।
- ऋक्सूक्तनिकरः - डॉ. उमाशंकर शर्मा 'ऋषि'
प्रकाशक - चौखम्बा ऑरियन्टलिया, वाराणसी।
- ऋगभाष्यसङ्ग्रहः - डॉ. देवराज चानना
प्रकाशक - मुन्शीराम मनोहरलाल
पब्लिशर्स प्रा. लि., दिल्ली-55

(ख) उपनिषद्-कठोपनिषद् (पथम अध्याय)

20 अंक

अंकविभाज

वस्तुनिष्ठ प्रश्न	दो	2ग2= 04 अंक
संस्कृत व्याख्या	एक	6ग1= 06 अंक
आलोचनात्मक प्रश्न	एक	10ग1= 10 अंक

20 अंक

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Syllabus of B.A. (Hons. & Subs.) Sociology

B.A.- I

प्रथम –पत्र:— समाजशास्त्र के सिद्धांत (Hons.)

1. समाजशास्त्र की प्रकृति और विषयक्षेत्र, अन्य सामाजिक विज्ञान से इनके सम्बन्ध – समाजशास्त्र का उत्थान तथा विकास।
2. सामाजिक समूह – (क) परिभाषा वर्गीकरण (ख) संदर्भ (Reference) समूह, मानवीय आचरण पर इसका प्रभाव।
3. सामाजिक व्यवस्था – प्रकार्य, अकार्य, प्रगट और अप्रगट प्रकार्य।
4. सामाजिक संरचना – अवधारणा, विशेषता एवं तत्व।
5. संस्कृति – परिभाषा, तत्व, सांस्कृतिक विलम्बना।
6. सामाजिक नियंत्रण – प्रकृति, अभिकरण तथा साधन।
7. परिवार – परिभाषा, प्रकार, आधुनिक परिवार के प्रकार्य और समस्याएं।
8. सामाजिक परिवर्तन – अवधारणा, प्रौद्योगिकी, सांस्कृतिक एवं जनसंख्यात्मक कारक, सामाजिक परिवर्तन के सिद्धांत – विकासवादी (Evolutionary) चक्रीय (Cyclic) संघर्षवादी (Conflict) सिद्धांत।
9. सामाजिक स्तरीकरण (stratification)– अवधारणा, आधार,, जाति और वर्ग।
1. सामाजिक गतिशीलता (Mobility)– परिभाषा, प्रकार और सामाजिक गतिशीलता भारतीय समाज के संदर्भ में।

- संदर्भ पुस्तकें –
- | | |
|---------------------------|--------------------|
| 1. समाजशास्त्र एक परिचय – | मुजतफा हुसैन |
| 2. समाजशास्त्र – | सी . एन . शंकर राव |
| 3 . समाजशास्त्र – | परिमल . बी . कर |
| 4 . समाजशास्त्र – | जे . पी . सिंह |
| 5. समाजशास्त्र – | गोपी रमण सिंह |

B. A. – PART- I (Hons)

द्वितीय—पत्र

भारतीय समाज और संस्कृति

- 1 . समाज की रूपरेखा, संस्थाएँ, विवाह, वर्णाश्रम, संयुक्त परिवार, पुरुषार्थ, कर्म और संस्कार ।
- 2 . भारतीय जाति—प्रणाली — विचारधारा, परिभाषा, विशेषता (Characteristic) जाति में परिवर्तन ।
- 3 . मुस्लिम विवाह — विवाह के प्रकार महिलाओं की प्रस्थिति एवं तलाक ।
- 4 . भारतीय समाज एवं संस्कृति पर इस्लाम और पश्चिमी सभ्यता का प्रभाव ।
- 5 . ग्रामीण समुदाय — प्रकृति, विशेषता, ग्राम पंचायत — इसके अतीत, वर्तमान और भविष्य की रूपरेखा, पंचायती राज, उद्देश्य, संगठन और कार्य ।
- 6 . भारतीय समाज में महिलाओं की प्रस्थिति एवं परिवर्तन के कारक ।

संदर्भ पुस्तकें

1. मुखर्जी— भारतीय सामाजिक संस्थाएँ ।
2. जी . के. अग्रवाल — भारतीय सामाजिक संस्थाएँ ।
3. राम आहूजा — भारतीय समाज
4. राम गोपाल सिंह — भारतीय समाज

B. A. PART- I समाजशास्त्र (Sub.)

प्रथम— पत्र : — समाजशास्त्र के सिद्धांत

1. परिभाषा प्रकृति और विषय क्षेत्र — अन्य सामाजिक विज्ञान से संबंध ।
2. सामाजिक संरचना — अर्थ, विशेषता और तत्व ।
3. सामाजिक समूह — अवधारणा, विशेषता और वर्गीकरण ।
4. सामाजिक संगठन — अवधारणा, विशेषता, तत्व और सामाजिक संगठन और विद्य टन ।
5. संस्कृति — अवधारणा, तत्व, संस्कृति और सभ्यता ।
6. सामाजिक परिवर्तन — अवधारणा, विशेषता और कारक, जनसंख्यात्मक, तकनीकी, सांस्कृतिक ।
7. परिवार — प्रकृति विशेषता, प्रकार्य एवं प्रकार; पारिवारिक बिखराव एवं आधुनिकीकरण ।
8. सामाजिक प्रक्रिया — अवधारणा, विशेषता तथा वर्गीकरण ।
9. सामाजिक नियंत्रण — प्रकृति, सामाजिक नियंत्रण की आवश्यकता एवं एजेन्सीज ।

B - A - Part – II : समाजशास्त्र (Hons)

द्वितीय – पत्र : भारतीय सामाजिक संस्थाएँ

- 1 . भारतीय सामाजिक संस्थाएँ एक परिक्षण – विवाह वर्णाश्रम, संयुक्त परिवार ,पुरुषार्थ, कर्म एवं स्त्रियों का स्थान ।
2. मुस्लिम परिवार – विवाह, मुस्लिम स्त्रियों की स्थिति, तलाक ।
3. भारतीय जाति-व्यवस्था –जाति-प्रथा, विशेषताएँ, जाति परिवर्तन, जाति एवं वर्ग ।
4. पंचायती राज बिहार के विशेष सन्दर्भ में संगठन, कार्य एवं दबाव ।
5. सामूहिक विकास – अर्थ, लक्ष्य प्राप्ति एवं आन्दोलन ।
- 6 . सर्वोदय एवं भूदान – सामाजिक विचार एवं आन्दोलन ।
- 7 . ग्रामीण समुदाय – अर्थ, स्वभाव, विशेषताएँ ।

संदर्भ पुस्तकें – 1 . भारतीय सामाजिक संस्थाएँ – रवीन्द्रनाथ मुखर्जी ।

2 . भारतीय सामाजिक संस्थाएँ – जी . के . अग्रवाल ।

B - A – Part - II : समाजशास्त्र (Sub.)

द्वितीय – पत्र : सामान्य मानवशास्त्र

1. मानवशास्त्र कि प्रकृति एवं क्षेत्र इसकी एवं अन्य सामाजिक विज्ञान के साथ संबंध ।
2. पूर्वपाषाण-काल एवं नवपाषाण-काल का पूर्व इतिहास एवं उनके सांस्कृतिक विकास ।
- 3 . प्रजाति, प्रजातिवाद, विश्व प्रजाति का वर्गीकरण, भारत कि प्रजातीय रिती ।
4. विवाह, परिवार एवं नातेदारी ।
5. धर्म की उत्पत्ति, परिभाषा एवं अर्थ, धर्म, जादू में अंतर ।
6. आदिम अर्थव्यवस्था में बदलाव एवं विशेषताएँ ।
7. टोटम एवं टोटमवाद कि विशेषता ।
8. युवा (युवा संगठन) संरचना एवं विशेषता एवं प्रकार्य ।

9. जनजातियों की समस्याएँ एवं जनजातीय सुरक्षा, प्रभाव, बिहार की जनजातियों पर औद्योगिकरण एवं नगरीकरण का प्रभाव।

संदर्भ पुस्तकें	1. सामाजिक मानवशास्त्र की रुपरेखा — रविन्द्रनाथ मुखर्जी
	2. सामाजिक मानवशास्त्र एवं परिचय — मदन एवं मजुमदार
	3 मानवशास्त्र — एम्बर एवं एम्बर

समाजशास्त्र (Hons)

तृतीय— पत्र: समाज मनोविज्ञान

- 1 . परिभाषा एवं क्षेत्र, अन्य समाज विज्ञानों से सम्बंध।
2. अनुप्रेरणा — धारणा, मानव व्यक्तित्व पर प्रभाव।
- 3 . समाजीकरण — धारणा, स्तर, एजेंसी, कुले एवं फ्रायड का सिद्धांत।
- 4 . अभिवृत्ति — धारणा एवं बनावट, अभिवृत्ति का निर्धारण एवं बदलाव।
- 5 . संस्कृति एवं व्यक्तित्व — धारणा एवं संबंध।
- 6 . नेतृत्व — धारणा, प्रकार, कार्य एवं प्रजातांत्रिक नेतृत्व के कार्य।
7. समूह — धारणा, प्रकार।
8. अफवाह — धारणा, प्रकार, परिभाषा एवं कला।
9. लोकविचार — धारणा निर्माण, माप एवं प्रजातंत्र का स्वरूप।
- 10 . समूह मन — विचार, विशेषताएँ, समूह मन के सिद्धांत एवं व्यवहार।

संदर्भ पुस्तकें	1. सामाजिक मनोविज्ञान — नगीना प्रसाद
	2. सामाजिक मनोविज्ञान — राम बालेश्वर सिंह

चतुर्थ — पत्र: सामाजिक शोध

1. सामाजिक शोध एवं सर्वेक्षण – धारणा, सामाजिक शोध एवं सामाजिक सर्वेक्षण में भिन्नताएँ।
2. वैज्ञानिक पद्धति – अर्थ एवं विशेषताएँ।
3. परिकल्पना – संकलन, प्रकार, सीमाएं, महत्व।
4. सामग्री की पद्धति – (i) अवलोकन, (ii) वैयक्तिक अध्ययन, (iii) साक्षात्कार प्रश्नावली एवं अनुसूची निदेशानुसार – धारणा, प्रबलता एवं विश्वसनीयता।
6. स्केल निर्माण – लिंकट, बोगाडर्स, समाज मिति (सोसिये मेट्री)।
7. शोध प्रारूप – अन्वेषणात्मक एवं वर्णात्मक शोध प्रारूप।
8. नारीवादी मेथडलॉजी।

संदर्भ पुस्तकें

1. सामाजिक अनुसंधान और सर्वेक्षण – रवीन्द्रनाथ मुखर्जी
2. सामाजिक अनुसंधान – ओम प्रकाश वर्मा

B.A. PART- III

SOCIOLOGY (HONS) PAPER V

(GROUP 'A')

पंचम पत्र— सामाजिक चिंतन – (पश्चिमी सामाजिक चिंतन)

- 1 . ऑगस्ट काम्टे – (a) प्रत्यक्षवाद (b) तीन अवस्थाओं के नियम (c) सामाजिक पुनर्निर्माण।
- 2 . हर्बर्ट स्पेंसर – (a) सामाजिक विकास (b) समाज का सावयवी सिद्धांत
4. मार्गन (L.H.Morgan) – संस्कृति, परिवार का विकास।
4. मैक्स वेबर – (a) आदर्श प्रारूप (b) धर्म का समाजशास्त्र (c) सामाजिक क्रिया का सिद्धांत
5. इमर्शल दुर्खीम – (a) आत्माहत्या का सिद्धांत (b) श्रम का विभाजन (c) धर्म का सिद्धांत और आर्थिक फेसले।
6. कार्ल मार्क्स – वर्ग संघर्ष का सिद्धांत , प्रांतीय धातुवाद का इतिहास, मार्क्सवाद पर व्याख्या और आर्थिक फेसले।

7. विल्फ्रेड पेरेटो – तार्किक प्रयोगात्मक सिद्धांत, अभिजात्य वर्ग का संचालन, विशिष्ट एवं भ्रांत तर्क (विचलन) का सिद्धांत।
8. टालकॉट पारसनस – सामाजिक क्रिया का सिद्धांत एवं सामाजिक व्यवस्था और सिद्धांत।
4. मार्टन – प्रकार्यवाद।
4. एल. टी. हॉब्स – सामाजिक विकास।

(GROUP 'B')

4. राजाराम मोहनराय
4. विवेकानन्द
4. महात्मा गांधी– रामराज्य सर्वोदय, अहिंसा और सत्याग्रह।
4. पं० दीनदयाल उपाध्याय – एकात्म मानववाद।

PAPER VI : ग्रामीण समाजशास्त्र

षष्ठम् पत्र

1. परिभाषा एवं विषय क्षेत्र
2. ग्रामीण समाज – विचार, लक्षण, ग्रामीण और शहरी समाज में अंतर
3. भारतीय जातिप्रथा – विचार, उत्पादन, कार्य, जाति प्रथा में परिवर्तन प्रभुजाति, पाश्चात्य संस्कृति का प्रभाव, अन्तर्जातीय सम्बंध, जजमानी प्रणाली।
4. ग्रामीण परिवार – परिभाषा, लक्षण, कार्य, समस्या, पारिवारिकता।
5. ग्रामीण शक्ति संरचना – गुण परंपरागत और परिवर्तन, ग्रामीण नेतृत्व के उभरते प्रतिमान।
6. ग्रामीण भारत में परिवर्तन – सामाजिक आर्थिक, राजनैतिक और धार्मिक, ग्रामीण, सामाजिक परिवर्तन में औद्योगिकरण की भूमिका।
7. ग्रामीण सामाजिक समस्याएँ – विवाह, ग्रामीण धर्म, ग्रामीण शिक्षा, नातेदारी।
8. ग्रामीण विकास कार्यक्रम – ग्रामीण पुनर्निर्माण, उद्देश्य, अभिकरण –समाज विकास योजनाएँ, सर्वोदय, बीस सूत्री कार्यक्रम, पंचायती राज।

संदर्भ पुस्तकें

1. ग्रामीण समाजशास्त्र – अग्रवाल एवं पाण्डेय
2. ग्रामीण समाजशास्त्र – आर. एन. मुखर्जी तथा गुप्ता एवं शर्मा।

PAPER VII : सामाजिक विघटन

सप्तम् पत्र

1. सामाजिक विघटन – प्रकृति, उद्देश्य, समाजशास्त्र के साथ संबंध।
2. हिंसा (Crime) – हिंसा के सिद्धांत, कारक, प्रकार, नियंत्रण करने की विधियां।
3. बाल अपराध – कारक, नियंत्रण के तरीके, बाल अपराध रोक थाम सम्बन्धी कानून।
4. सामाजिक विघटन – लक्षण, कारक, प्रकार, भारत में सामाजिक विघटन के स्वरूप।
5. सामाजिक विघटन और सामाजिक समस्याओं के विभिन्न स्वरूप **वेश्यावृत्ति, भिक्षावृत्ति, मद्यपान, गरीबी और बेरोजगारी।**
6. **सामाजिक व्याधियां – दहेज H.I.V. AIDS एवं कन्या भ्रूण हत्या।**

संदर्भ पुस्तकें

1. सामाजिक विघटन – जी . के . अग्रवाल
2. सामाजिक विघटन – गुप्ता और शर्मा

PAPER – VIII

अष्टम् पत्र

निम्नलिखित में से कोई एक ग्रुप छात्र चयन कर सकते हैं ——

GROUP 'A': सामाजिक मानवशास्त्र

1. परिभाषा उद्देश्य तथा मानवशास्त्र की उपयोगिता।
2. प्रजाति और प्रजातिवाद कि अवधारणायें, उसका मुल्यांकन, भारत में प्रजाति तत्व का वर्गीकरण, जनसंख्या, प्रजाति और जनजाति।

CERTIFICATE COURSE IN NUTRITION



Certificate Course in Applied Nutrition



A Joint Collaborative Initiative of Ganga Devi Mahila Mahavidyalaya and Vidya Diet Clinic

The Memorandum of Understanding has been signed on 10 May 2022 between Ganga Devi Mahila Mahavidyalaya and Vidya Diet Clinic with following terms and conditions.

FIRST PARTY

GANGA DEVI MAHILA MAHAVIDYALAYA
PATLIPUTRA UNIVERSITY
KANKARBAGH, PATNA – 800020

Mari Bala
10.5.22
PRINCIPAL

GANGA DEVI MAHILA MAHAVIDYALAYA
KANKARBAGH, PATNA-20

SECOND PARTY

VIDYA DIET CLINIC
ISO-9001 – 2015 (QMS)
B-184, VIDYA ENCLAVE, KANKARBAGH
PATNA – 800020

Vidya
10.05.22

1. The objective of the course is to inculcate nutrient rich healthy Diet for participants, their family and general society, as healthy minds lives in a healthy body. It is to enable them for job in wellness sector too.
2. 12 weeks regular Course 'Certificate Course in Applied Nutrition'
3. The course will jointly run under the aegis of Vidya Diet Clinic.
4. The course will run for next two years i.e, 2022-2024.
5. The fee structure for the course will be Rs 300 for Ganga Devi Mahila Mahavidyalaya Students and for others it will be Rs. 1000 with the option to increase/refix it by Vidya Diet Clinic.
6. The course will be conducted at both places i.e, Ganga Devi Mahila Mahavidyalaya and Vidya Diet Clinic.
7. Classes will be facilitated by subject experts and staffs of Vidya Diet Clinic.
8. The certificate will be jointly signed by Principal Ganga Devi Mahila Mahavidyalaya and founder of Vidya Diet Clinic.
9. Full fee will be collected by Vidya Diet Clinic and the share of fee collected would be 40 percent to college and 60 percent to VIDYA DIET CLINIC. Expense of stationaries, banner and certificates will be borne by the college.
10. The strength of one batch will be 30.

Vidya
10.05.22

Mari Bala
10.5.22
PRINCIPAL
GANGA DEVI MAHILA MAHAVIDYALAYA
KANKARBAGH, PATNA-20



GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



Date- 01.07.22

NOTICE

Dr. Vidya, Assistant Professor, Home Science department is directed to design a curriculum and a blueprint for effective delivery for a three-month certificate course in Applied Nutrition. The course should incorporate experiential learning.

Mani Bala
PRINCIPAL
GANGA DEVI MAHILA MAHAVIDYALAYA
KANKARBAGH, PATNA-20



Certificate Course in Applied Nutrition



A Joint Collaborative Initiative for Ganga Devi
Mahila Mahavidyalaya and Vidua Diet Clinic

Why Applied Nutrition?

- Growing Opportunity to Faciliate Health through proper Nutrition.
- Need to manage and interpret the interrelationship between diet and disease.
- Need to prepare a Nutrition counselling workforce that could play valuable role in combating the double burden of malnutrition.
- Design and Develop innovative dietary solutions to address issues related to nutrition.
- Participate in Nutrition Reasearch team.



Who can apply?

Undergraduate/ Graduate/ Postgraduate/ Ph.D Students/ Faculties/ or
Public Health Professionals

Duration: 12 weeks

Fee INR 300 for GDMM Students, INR 1000 for Others

For Details

Contact: Dr Vidya (Course Coordinator) Mobile No. 9472587010

Certificate Course in Applied Nutrition

Course Structure

1. Health & Factors Affecting Health
2. Lifestyle Diseases
3. Mother & Child Health
4. Basic Concept of Nutrition
5. Planning Diet
6. Meal Planning for Different Age Groups
7. Meal Planning for Lifestyle Diseases
8. Project Work: Case Study
9. ASSESSMENT

Certificate Course in Applied Nutrition Syllabus

1. HEALTH – Definition, Types of Health, Factors affecting health, Preserving good Health, and Health Indicators.

2. MOTHER AND CHILD HEALTH - Meaning, Importance, Mother Health Care, Child Health Care, Nutritional Problems of Children and Adolescent Girls.

3. LIFESTYLE DISEASES – Meaning, Characteristics, Causes, Metabolic Risk Factors (Obesity, Diabetes Mellitus, Hypertension, Dyslipidemia, Heart Disease, Hypothyroidism), and Dietary Treatment.

4. BASIC NUTRITION – Nutrition, Nutrients, Food and Food Groups and their Nutrient Contents, Balanced Diet, Nutrient Requirement and Recommended Dietary Allowance, Nutrition-Related Disorders.

5. PLANNING DIET – Weight and Measures, Finding Nutritive Value, Meal Planning- Importance and Principles of Meal Planning.

6. MEAL PLANNING FOR DIFFERENT AGE GROUPS – College Going Girls, Pregnant Mothers, Lactating Mothers, Children, Adults and Old Age

7. MEAL PLANNING FOR LIFESTYLE DISEASES – Obesity, Diabetes, Hypertension, Ulcer, Dyslipidemia and Hypothyroidism

8. PROJECT WORK – Case Study, Chart and Poster, Preparation of Nutritious food.

ASSESSMENT.....Full Marks: 100

- | | |
|-------------------------------|----|
| 1. Assignment..... | 20 |
| 2. Project and Practical..... | 20 |
| 3. Article writing..... | 20 |
| 4. Attendance..... | 20 |
| 5. MCQ..... | 20 |



GANGA DEVI MAHILA MAHAVIDYALAYA

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NOTICE

This is for information of all the students that a certificate course in Applied Nutrition will commence in the college from 1st August'22. Duration of this course will be 3 months. For detailed information and registration, you are directed to contact Dr. Vidya, Assistant Professor, Home science department.

Bdha
IQAC coordinator

Mani Bala
PRINCIPAL
GANGA DEVI MAHILA MAHAVIDYALAYA
KANKARBAGH, PATNA-20
Principal



CERTIFICATE COURSE IN APPLIED NUTRITION

Organised by

Vidya Diet Clinic in Collaboration with Ganga Devi Mahila Mahavidyalaya
Patliputra University, Patna-8000 20

THIS IS TO CERTIFY THAT

Kirtee Kumari

has successfully completed 12 weeks Certificate

Course in Applied Nutrition from 01.08.2022... to 01.11.2022... and obtained Grade*A*.....

Vidya
Dr. Vidya

Founder of Vidya Diet Clinic &
Asst. Prof., (GDMM, Patna)

Mani Bala
Prof. (Dr.) Mani Bala

Prof. In-Charge
(GDMM, Patna)





CERTIFICATE COURSE IN APPLIED NUTRITION

Organised by

Vidya Diet Clinic in Collaboration with Ganga Devi Mahila Mahavidyalaya

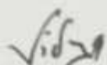
Patliputra University, Patna-8000 20

THIS IS TO CERTIFY THAT

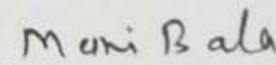
Sangita Kumari

has successfully completed 12 weeks Certificate

Course in Applied Nutrition from 01.08.2022 to 01.11.2022 and obtained Grade^A.....

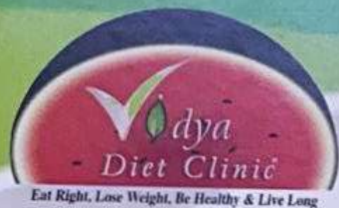

Dr. Vidya

Founder of Vidya Diet Clinic &
Asst. Prof., (GDMM, Patna)


Prof. (Dr.) Mani Bala

Prof. In-Charge
(GDMM, Patna)





CERTIFICATE COURSE IN APPLIED NUTRITION

Organised by

Vidya Diet Clinic in Collaboration with Ganga Devi Mahila Mahavidyalaya
Patliputra University, Patna-8000 20

THIS IS TO CERTIFY THAT

Shruti Sonal

has successfully completed 12 weeks Certificate

Course in Applied Nutrition from 01.08.2022 to 01.11.2022 and obtained GradeA'.....

Vidya
Dr. Vidya

Founder of Vidya Diet Clinic &
Asst. Prof., (GDMM, Patna)

Prof. (Dr.) Mani Bala

Prof. In-Charge
(GDMM, Patna)





CERTIFICATE COURSE IN APPLIED NUTRITION

Organised by

Vidya Diet Clinic in Collaboration with Ganga Devi Mahila Mahavidyalaya
Patliputra University, Patna-8000 20

THIS IS TO CERTIFY THAT

Firdous Naaz

has successfully completed 12 weeks Certificate

Course in Applied Nutrition from ..01.08.2022.. to ..01.11.2022.. and obtained GradeA+.....

Vidya
Dr. Vidya

Founder of Vidya Diet Clinic &
Asst. Prof., (GDMM, Patna)

Mani Bala
Prof. (Dr.) Mani Bala

Prof. In-Charge
(GDMM, Patna)





GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



1 week Certificate course on Meal Planning & Dietetics

Date: 21.04.2020 - 28.04.2020

Introduction:

- **Day 1:** Food Science: Food - Classification of Foods, Structure, Composition of Rice & Pulses
- **Day 2:** Nutritive Value of Cereals (Wheat), Vegetables, Fruits, Milk & Milk Products, Fats & Oils, Meat, Fish, Eggs, Beverages, Condiments and Spices.
- **Day 3:** Cooking Methods: Their Effects On Nutritive Value of Different Foods .

Food Adulteration:

- **Day 4:** calorie Requirements, Balanced Diet, Meal Planning in pregnancy, Lactation, Adolescence and Old Age
- **Day 6:** Calculation of Meal Planning in Above Groups
- **Day 7:** Modification of Diet in Diabetes Mellitus, Obesity or Weight Imbalance

Serial No	Name	Class	Grade
1	Nidhi Pandey	BA1H	A
2	Sadhna Kumari	BA1H	A
3	Tannu Kumari	BA1H	B
4	Tamanna	BA1H	A
5	Amrita Kumari	BA1H	A
6	Sneha Kumari	BA1H	A
7	Avantika Kumari	BA1H	A
8	Deepti Tete	BA1H	A
9	Rubi Kumari	BA1H	B
10	Ankita Kumari	BA1H	A
11	Priti Kumari	BA1H	A
12	Niti Kumari	BA1H	A
13	Aditi Raj	BA2H	A
14	Kajal Kumari	BA2H	A

15	Khushi Kumari	BA2H	A
16	Shreya Rani	BA2H	A
17	Juli Kumari	BA2H	A
18	Saumya Kumari	BA2H	A
19	K.Shalini Singh	BA2H	A
20	Soni Kumari	BA2H	A
21	Priyanka Verma	BA2H	B
22	Madhu Bharti	BA2H	B
23	Babita Kumari	BA2H	B

Sajla Shilpi
Programme Officer
 N.S.S.
 Ganga Devi Mahila Mahavidyalaya
 Patna-800020

CODE OF CONDUCT



GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



Code of Conduct

Code of Professional Ethics is contained in UGC regulation on Minimum Qualification for appointment of Teachers and other Academic Staff in Universities and colleges and Measures for the maintenance of standards in Higher Education, published by the commission.

The Patliputra University, adopted it in its meeting of the Executive Council held on July 2019. The University thereafter notified the colleges and Departments on October 2019. The college compiled immediately and circulated to its permanent teaching members. It is mandatory for the Permanent Faculty of the Higher Education to sign the code to ensure a responsible pattern of code and demeanor, expected by teachers of the community, maintain dignity of the profession and facilitate continuous growth through their study and research.

Role of Principal

Ensure the academic, financial and overall discipline in the college, in a pro active manner.

Lead the college in terms of setting an example in high moral ground.

Support activities of teachers and students, to take the college forward in all ways.

Promote democratic values and sense of patriotism in the campus.

Be an effective agent in carrying out campus activities according to directions of Patliputra University.

Conduct of Teachers

Perform their duties –Teaching, tutorials, practical and Seminar work and carry out all responsibilities assigned by the college in terms of admission, invigilation and assessment.

Participate in extension, co-curricular and extra -curricular activities including community service.

They should help in the functioning of committees and cells taking help of non-teaching staff, in a positive manner.

Assure participation of students in all activities and be a role model for them in terms of discipline and good behavior, and support them in times of need.

Encourage students to improve their academic performance and make them aware of their role in the community, by way of democratic and patriotic values.

Non-Teaching Staff

They are required to discharge their duties as assigned efficiently, punctually and be disciplined always.

They are required to adhere to be respectful to Teachers students, staff and visitors and refrain from harassing anyone.

They should be professional in their approach to work assigned, maintaining confidentiality of proper levels.

Students

All students are required to attend college in prescribed College uniform.

Maintaining discipline in terms of behavior, timely attendance of classes, respect to Teachers, staff and other students.

Make efforts to upgrade themselves and develop themselves in terms of speech, actions, behavior and overall development of their Personality.

Required to be member of the Library, and take benefit of free books and e library.

75% attendance in class is a pre requisite for eligibility for appearing in university examinations.

Required to participate in Republic Day, Independence Days, Jayanti of National Leaders, cultural, student and community activities.

Students are encouraged to take part in Sports and skill enrichment activities.

Any student related campus issues are required to be placed to members of Proctorial committee. Involvement in Ragging is strictly prohibited.

Mani Bala
PRINCIPAL
GANGA DEVI MAHILA MAHAVIDYALAYA
KANKARBAGH, PATNA-20

ADDITIONAL ACTIVITIES



GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



CURRICULUM ENRICHMENT ACTIVITIES (2022-23)





GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



1. Professional Ethics

08.09.2022: Inauguration of the certificate course in Applied Nutrition

3-month certificate course is being offered to interested students by the Home Science department in collaboration with Vidya Diet Clinic, Kankarbagh, Patna. It is a Skill Development Course being offered for students to have an additional edge in relevant job field.





Aaj. Pg no 4, 09/09/22

<https://dainik-b.in/n4jXPKHKatb>

16.09.2022 On-campus placement Drive

Ganga Devi Mahila College,

Kankarbagh, Patna - 20

Career Counselling & Placement Cell

Notice

On Campus Placement Drive

by Hindustan Unilever Ltd.

Date of Interview	- 16.09.2022
Time	- 12:00 Noon onwards.
Designation	- Sales Executive.
Job Location	- Patna, Bihar.
Salary	- 15,000/- (Approx).
Eligibility	- U.G. 1 st , 2 nd , 3 rd Year students of any stream.

Document – 1. Updated Resume.
2. Passport size Photograph.
3. College Id or receipt.
4. Aadhar card.

Prof. Mani Bala
Principal cum Director
Placement Cell



15.10.22 – Training on “Communication Skill and Personality Development” by TIME, Patna

15/10/22

Notice

Seminar conducted on "Communication Skills and Personality Development" on 15/10/2022 at 11:30 am by

TIME Patna

Ranjana (Faculty)

TIME Patna

Deepak Kumar (Student) - relation manager

attended by following students

Sl.	Name	Dept.	Roll No.	Year of Pass
1	Ritika Raj	B.B.M 3 rd	01	2020-2023
2	Ehta Kumari	B.B.M 3 rd	02 ⁰³	2020-2023
3	Supriya Kumari	B.B.M 3 rd	02	2020-2023
4	Shruti Shrivastava	B.B.M 2 nd	10	2021-2024
5	Sakshi Bharti	B.B.M 3 rd	06	2021-2024
6	Anuradha Kumari	B.B.M 2 nd	05	2021-2024
7	Aksha	B.B.M 2 nd	17	2021-2024
8	Bandana Kumari	M.Sc 1 st		2022-2024
9	Sweety Kumari	B.A III rd	325	2020-2023
10	Bhavana Kumari	M.Sc 1 st		2022-24
11	Anjali Kumari	M.Sc 1 st		2022-24
12	Neha Kumari	BCA passing	01	2018-21
13	Sneha Verma	BCA	08	2018-21
14	Muskan Kumari	BCA	04	2018-21
15	Pooja Jha	MCA		appearing
16	Shivani Kumari	MCA		appearing
17	Pooja Kumari	M.Sc		appearing
18	Akshita Bharti	B.Sc		20-23

Maharaja



Shodhveer Samman Shivir on 21st Oct'22

Bhartiya Shikshan Mandal in collaboration with Research for Resurgence Foundation organized an article writing competition, last date of submission of which was 25th September'22. Felicitation ceremony for the same was held on 21st Oct'22 in the premises of GDMM. Relevant details are as follows:

शोध पत्र लेखन प्रतियोगिता सुभाष – स्वराज – सरकार

देश आजादी के 75वें वर्ष का अमृत महोत्सव मना रहा है। भारतीय शिक्षण मंडल - युवा आयाम द्वारा आजादी के लिए अपने प्राणों की आहुति देनेवाले सपूतों का स्मरण तथा उनके विचारों को युवाओं तक पहुँचाने के लिए 'सुभाष – स्वराज – सरकार' विषय पर शोध पत्र प्रतियोगिता का आयोजन किया जा रहा है। जो युवा सुभाष बनना चाहते हैं उनका प्रतियोगिता में स्वागत है। अपेक्षा है कि इस भव्य कार्यक्रम में लाखों प्रतिभागी होंगे। चयनित शोधकर्ता प्रांत स्तर तक पहुँचेंगे। इनमें से उत्कृष्ट प्रतिभागी 'अखिल भारतीय युवा शोधकर्ता सम्मेलन' में सम्मिलित होंगे।

शोध पत्र के विषय: इनमें से किसी एक पर शोध पत्र लिखा जा सकता है।

1. आत्मनिर्भर भारत: सुभाष की दृष्टि में
2. आजाद हिंद सरकार: महत्व एवं संरचना
3. स्वाधीनता के अज्ञात वीर
4. अंतरराष्ट्रीय संबंध दृष्टि: नेताजी से आज तक
5. अमृत काल के सुभाष संकल्प: 2022 से 2047
6. अनिवार्य सैन्य प्रशिक्षण की आवश्यकता

भारतीय शिक्षण मंडल - युवा आयाम तथा रिसर्च फ़ॉर रिसर्जेंस फ़ाउंडेशन
के संयुक्त तत्वावधान में आयोजित

शोध पत्र के विषय

- 1) आत्मनिर्भर भारत: सुभाष की दृष्टि में
- 2) आजाद हिंद सरकार: महत्व एवं संरचना
- 3) स्वाधीनता के अज्ञात वीर
- 4) अंतरराष्ट्रीय संबंध दृष्टि: नेताजी से आज तक
- 5) अमृतकाल के सुभाष संकल्प: 2022 से 2047
- 6) अनिवार्य सैन्य प्रशिक्षण की आवश्यकता

प्रतियोगिता स्तर

1. स्नातक छात्र (UG)
2. पदो-स्नातक छात्र (PG)
3. शोध छात्र (Ph.D. Scholar)
4. अन्य (Open) 40 वर्ष के कम आयु

महत्वपूर्ण तिथियाँ

पंजीयन प्रारम्भ	: 27 जुलाई 2022
पंजीयन की अंतिम तिथि	: 30 अगस्त 2022
शोधपत्र जमा करने की अंतिम तिथि	: 25 सितंबर 2022

प्रतियोगिता के विशेष बिंदु:

- हर प्रांत (राज्य) से 3 विजेताओं का चयन होगा।
- प्रांत के विजेता प्रतिभागियों को राष्ट्रीय स्तर पर आयोजित होनेवाले "Young Researchers Conclave" में सहभागी होने का अवसर
- चयनित प्रतिभागियों को सामाजिक कर्त्ताव्य (Social Internship) का अवसर
- राष्ट्रीय स्तर पर सर्वोत्कृष्ट शोधकर्ताओं को रसम द्वारा शोधवृत्ति (Fellowship)
- प्रांत स्तर पर विशेष पुरस्कार

पंजीयन एवं अधिक जानकारी हेतु www.bsmbarat.org पर भेंट करें।

[/bsmbarat](https://www.bsmbarat.org)
[@bsm_bharat](https://www.bsmbarat.org)
[800-bsmbarat](https://www.bsmbarat.org)



PATLIPUTRA UNIVERSITY

PATNA-800020

Email:-patliputrauniversity2018@gmail.com
ccdc@ppup.ac.in

Ref. No.: -CCDC/PPU/139/22

Date:-08.08.2022

शुद्धि-पत्र

सेवा में,
प्राचार्य/प्रभारी प्राचार्य,
सभी महाविद्यालय,
पाटलिपुत्र विश्वविद्यालय, पटना।

विषय- **“सुभाष-स्वराज-संस्कार”** पर राष्ट्रीय शोध-पत्र लेखन प्रतियोगिता के संबंध में।
महोदय/महोदया,

भारतीय शिक्षण मंडल से प्राप्त पत्र के द्वारा **“सुभाष-स्वराज-संस्कार”** विषय पर राष्ट्रीय शोध-पत्र लेखन प्रतियोगिता के संबंध में सूचना प्राप्त हुई है। आपके संस्थान के युवा छात्र एवं छात्राओं को उपरोक्त विषय पर शोध-पत्र लिखने हेतु सूचित करेंगे। इस शोध-पत्र का आधार **“स्वतंत्रता आंदोलन में अज्ञात वीरों के योगदान तथा सुभाष चन्द्र बोस द्वारा सेना के साथ ही स्वराज्य को अर्पित करना”** होगा। इस प्रतियोगिता में **भाग लेने की अंतिम तिथि 30 अगस्त 2022 है तथा शोध-पत्र जमा करने की अंतिम तिथि 25 सितंबर 2022 है।**

विस्तृत जानकारी www.bsmbharat.org पर उपलब्ध है। इस संबंध में कार्यवाही की जानकारी अधोहस्ताक्षरी को email के द्वारा ccdc@ppup.ac.in पर उपलब्ध कराया जाये।

अनुलग्नक-यथोक्त।

M. K. B. B. B.
(प्रो० मणि बाला) 8.8.22

सी.सी.डी.सी.

पाटलिपुत्र विश्वविद्यालय, पटना।

प्रतिलिपि-

1. संकायध्यक्ष, पाटलिपुत्र विश्वविद्यालय, पटना।
2. विभागाध्यक्ष, पाटलिपुत्र विश्वविद्यालय, पटना।
3. निजी सचिव, माननीय कुलपति/कुलसचिव, पी.पी.यू., पटना।
4. संरक्षित सचिका।

CCDC
8.8.22

A felicitation ceremony was organized by Bhartiya Shikshan Mandal in succession of the article writing competition organized by them. The theme of the article was Subhash-Swaraj-Sarkar. The prizes were awarded in 4 groups- UG, PG, PhD and open category. All the winners presented their views on Nation building and the anticipated role of youth in that process.



भारतीय शिक्षण मंडल - युवा आयाम

'सुभाष- स्वराज-सरकार' शोधपत्र लेखन प्रतियोगिता
के अंतर्गत आयोजित

शोधवीर सम्मान शिविर दक्षिण बिहार प्रांत

शुक्रवार, दि. 21 अक्टूबर 2022 | 11.30 अपराह्न

स्थान: गंगा देवी महिला महाविद्यालय, हाउसिंग बोर्ड
कॉलोनी, पत्रकार नगर, कंकड़बाग, पटना- 800020



A one week training program imperative for enhancement of essential lifeskills, soft skills, Communication skills, Presentation skills and Interview skills was organized for students in collaboration with Nandi Foundation's Mahindra pride Classrooms.

Ganga Devi Mahila Mahavidyalaya

Kankarbagh, Patna - 20

Notice

On Campus Employability Skills

Nandi Foundation's Mahindra Pride Classrooms

A training programme imperative for enhancement of essential life skills, soft skills, communication skills, presentation skills and interview skills will be organized for students.. Trainers will be deployed by Mahindra pride classroom.

Time	-	11:00 AM
Date	-	18-10-22 onwards
Duration	-	One week
Eligibility	-	UG/PG (any stream)
Fee	-	No charge of fee

[Signature]
Prof.-in-Charge





On 28.02.2023, Nehru Yuva Kendra, Patna organized a workshop related to food processing for the students in Ganga Devi Mahila Mahavidyalaya Campus. Students enthusiastically participated in the program and enriched their skills.







GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



2. Gender Sensitization

A poster competition with theme “Family planning” was organized to celebrate the World Population Day.



14.09.2022: PCOS talk by Dr. Alka Pandey

An awareness programme to educate the students with scientific information about irregular menstruation and an increase in the cases of polycystic ovarian syndrome in women, was organized by the Sehat Kendra in collaboration with Indchemie Health Specialities Pvt Ltd, a premium Pharma company. Dr. Alka Pandey, a renowned gynaecologist of Bihar was the learned speaker.



24.09.22 Regular taekwondo training started in GDMM

ताईक्वांडो

सभी छात्राओं को सूचित किया जाता है कि इस कॉलेज- परिसर में ताईक्वांडो मार्शल-आर्ट का नियमित क्लास शुरू हो रहा है। जैसा कि आप सभी जानते हैं कि यह विश्वविद्यालय खेलों में शामिल है और इसे बिहार सरकार से मान्यता प्राप्त है। अतः बिहार सरकार द्वारा आयोजित खेलों में भी यह शामिल है।

रजिस्ट्रेशन फॉर्म डा0 विधुवाला, संस्कृत- विभाग के पास उपलब्ध है।
इच्छुक छात्राएँ 24 सितम्बर, 2022 को 10:30 बजे सुबह में महाविद्यालय मंच पर एकत्रित हो जायें।

मो0 न0 8294327210

7677144565

Mari bala
प्राचार्य 21.9.22

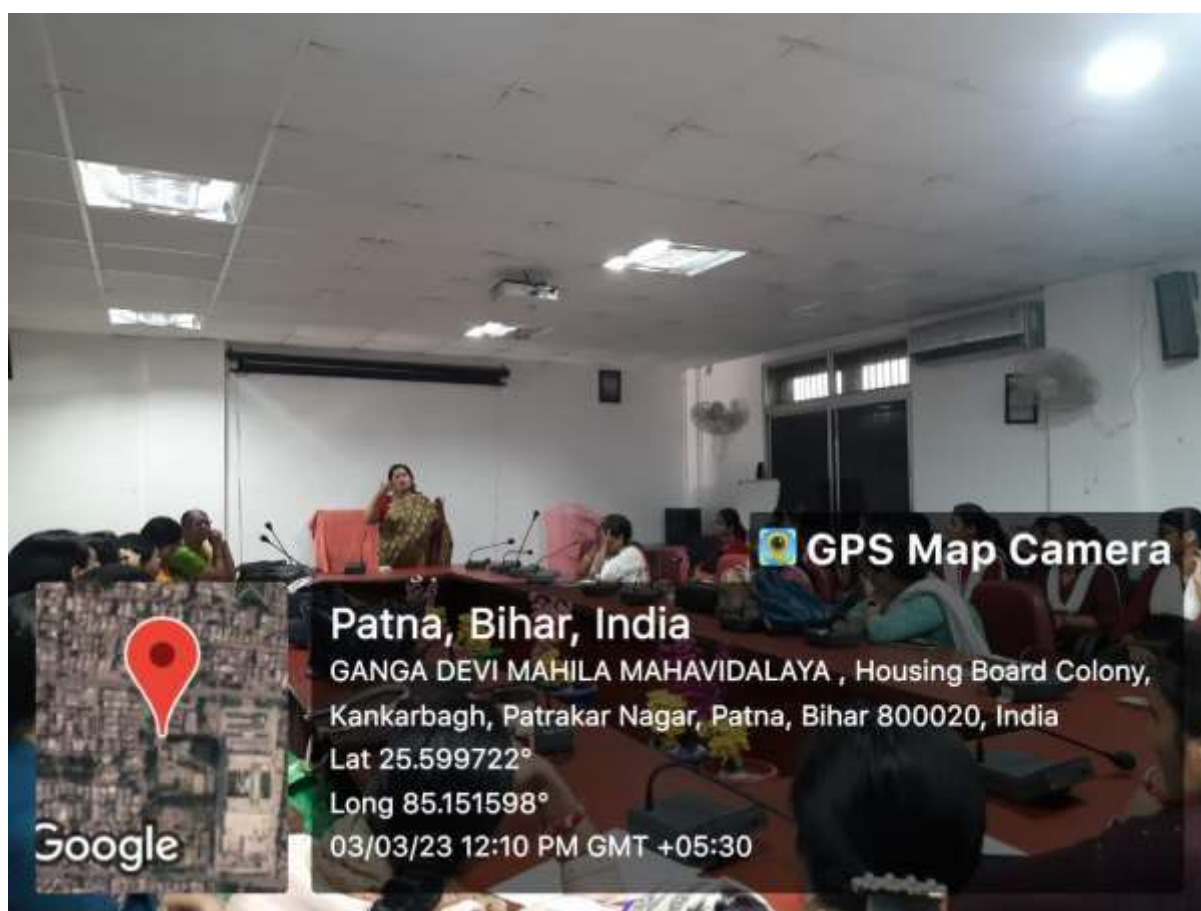


राष्ट्रीय बालिका दिवस (24.01.23) पर महिला एवं बाल विकास निगम द्वारा आयोजित उड़ान नाट्य महोत्सव में गंगा देवी महिला महाविद्यालय द्वारा ऊर्जा सभागार , पटना में मंचित 'भ्रूण की आवाज' नामक नाटक ने special jury award जीता।



Women Safety Awareness Program

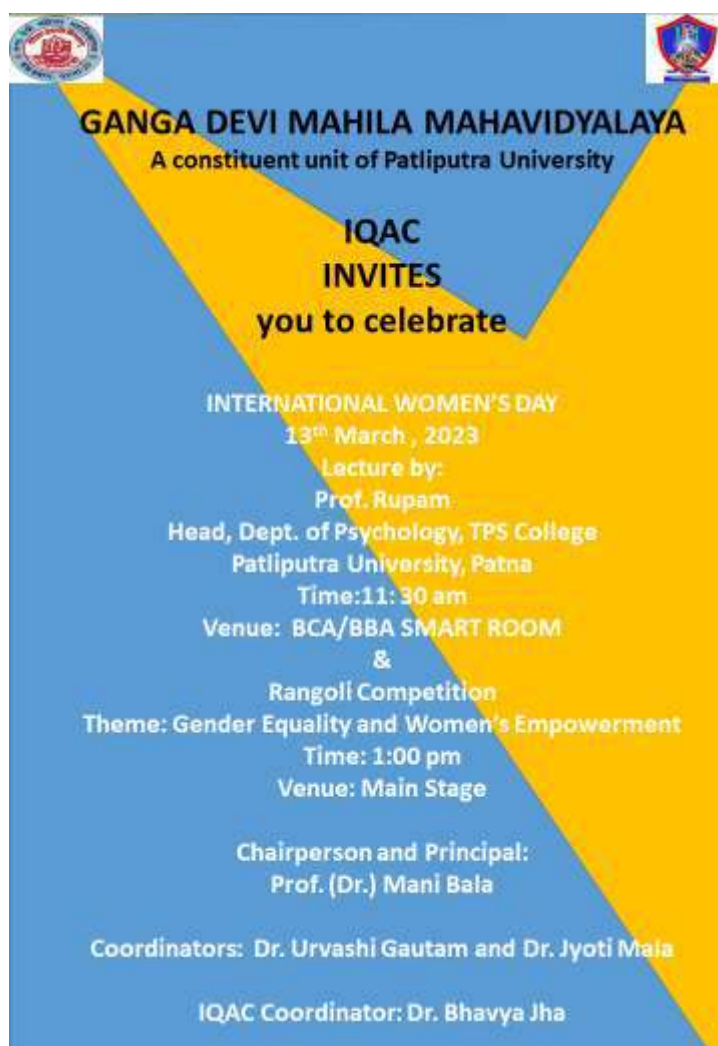
A Women safety awareness program was organized by NSS of GDMM. Dr Urvashi Gautam of History dept shared useful information on the topic. She talked about women rights, girl child protection, importance of financial independence and Women helplines. The Principal, Prof. Manibala highlighted that college runs free self-defence training for its students.



Prem Youth Foundation, a No-profit registered autonomous constitutional organization under GOI, linked the students through a webinar to create awareness on the topic. Sri Aman Kmar and Sri Prem Kumar of Prem Youth Foundation were connected virtually.

Women's Day Celebration

Women's Day was celebrated in GDMM on 12th March instead of 8th March owing to Holi vacation. An awareness lecture and a Rangoli competition was organized.



Dr. Rupam, HoD Psychology, TPS college was the speaker and she very effectively took us through the journey of women since time immemorial. She emphasized on how far women have come and there is still much more to achieve. The Principal, Prof. Manibala, also encouraged students to bring out their best.

Students enthusiastically participated in Rangoli making competition on the theme of Gender Equality and Women's Empowerment.





GANGA DEVI MAHILA MAHAVIDYALAYA

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1. Human Values

Covid 19 vaccination centre in college campus on 12th and 13th July'22.



NSS organized a First Aid Workshop in collaboration with Viraj Institute of Medical Science, Patna on 14th July'22. The workshop was headed by Dr. Raj Kumar.



17.08.22: BASACS Award

Dr. Sajla Shilpi, Nodal Officer, RRC and coordinator of NSS received an appreciation certificate from Health department, Bihar government. Anuja, Sweta Kumari and Somya Tomar of BA Part II Political Science and Rashmi Kumari of ISc collectively won 2nd prize in BSACS awareness Reels competition.



01 अक्टूबर 2022 को राष्ट्रीय स्वैच्छिक रक्तदान दिवस पर राज्य स्तरीय पेंटिंग प्रतियोगिता का आयोजन गंगा देवी महिला कॉलेज में आयोजित है।







An outreach program by NSS unit of GDMM was conducted to spread awareness about Deaddiction on 16.11.2022.



Youth Day Celebration on 12.01.23

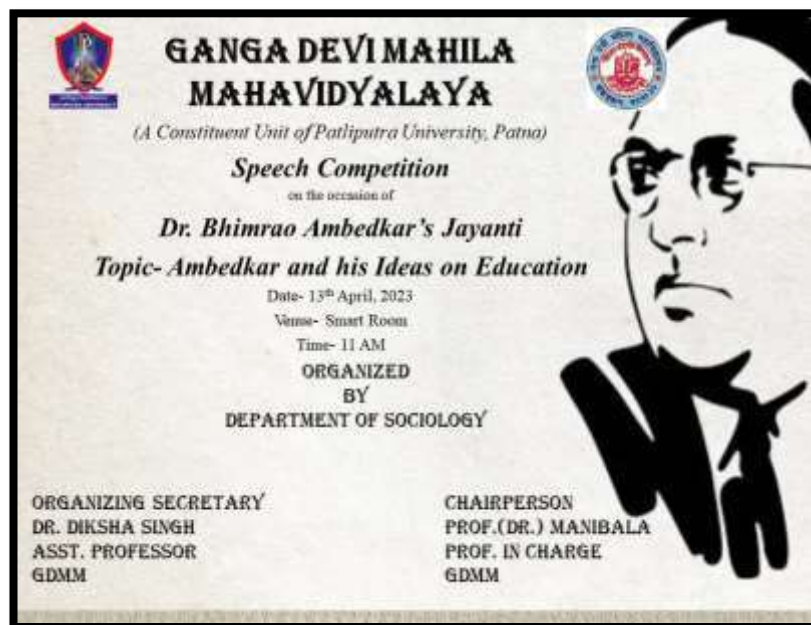
NSS wing of GDMM carried out a march in the neighbourhood to create awareness about rights and duties of a youth towards the country.



Cloth distribution by NSS wing of GDMM on 18.01.23 led by Dr. Ragini Verma of Sanskrit department.



A speech competition on the topic “Ambedkar and his Ideas on Education” was organized by Dept. of Sociology, GDMM celebrating the legacy of Dr. B.R.Ambedkar, the architect of Indian Constitution on his Jayanti. Students enthusiastically participated, shared thoughtful insights of Ambedkar’s vision and pledged to create an inclusive society.





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4 Environment and Sustainability

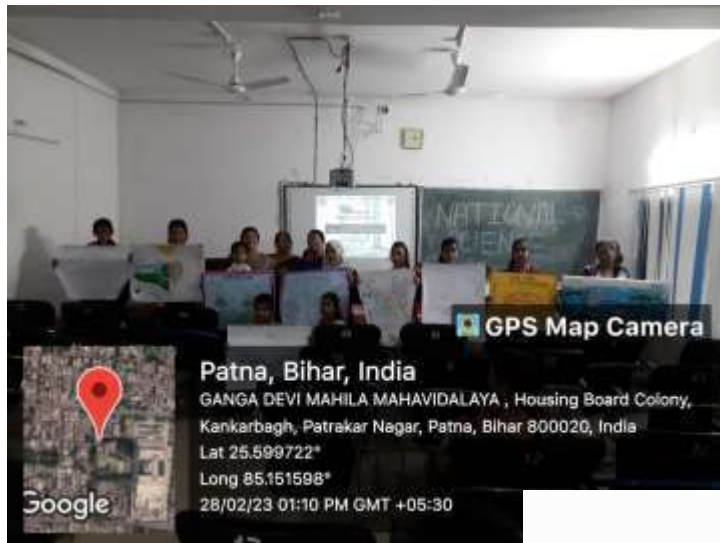
A Boot Campaign was organized by IEC team of Patna Municipal corporation in the collage campus in which students were acquainted with the knowledge of waste disposal and garbage management with a motive to improving the rank of Patna in Cleanliness Survey-2023.



National Science Day

National Science day was celebrated on 28.02.2023 to commemorate the discovery of Raman Effect, which led Sir C V Raman to win Nobel Prize. In GDMM, Students enthusiastically participated in poster making competition and skillfully presented models and chart prepared by them on the theme of this year “Global Science for Global Well-being” in the exhibition.







GPS Map Camera

Patna, Bihar, India

B-70, P C Colony Rd, Housing Board Colony, RBI Flats



GPS Map Camera

Patna, Bihar, India

H5X2+RQH, Housing Board Colony, Kankarbagh,



GPS Map Camera

Patna, Bihar, India

H5X2+RQH, Housing Board Colony, Kankarbagh,



GPS Map Camera

Patna, Bihar, India

B-70, P C Colony Rd, Housing Board Colony, RBI Flats





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CURRICULUM ENRICHMENT ACTIVITIES (2021-22)





GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



1. Professional Ethics

Stress management Workshop

Under the aegis of IQAC, GDMM; Sehat Kendra and EBSB committee of the college organized a seminar-cum-counseling session was organized for young girls in association with Inner Wheel Club of Shivalja.

Guest speaker Dr. Binda Singh (famous psychiatrist) talked on the topic “Stress management in adolescence” and counseled the girls who approached her with some dilemma. Guest speaker Dr. Nidhi Singh (consultant Obs & Gyn) talked about Menstruation problems and how to handle it. Students freely discussed their problems with her.

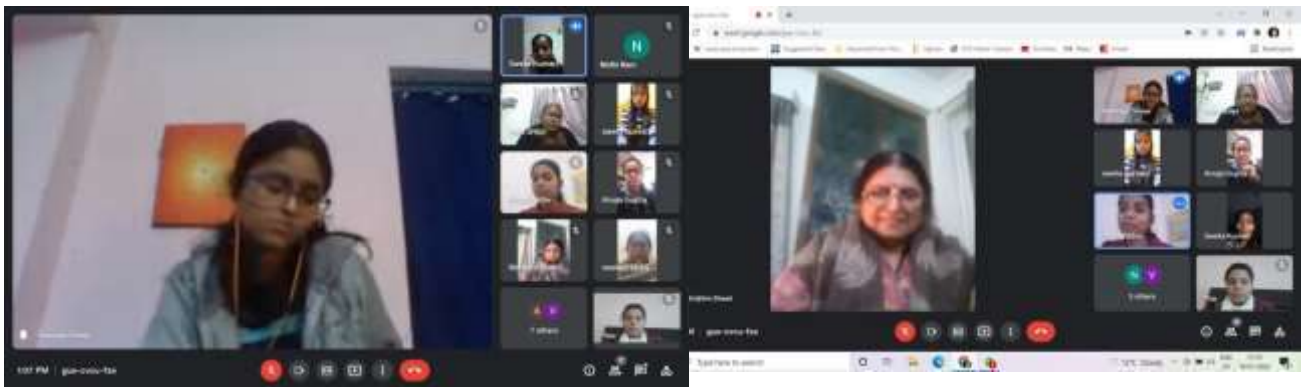
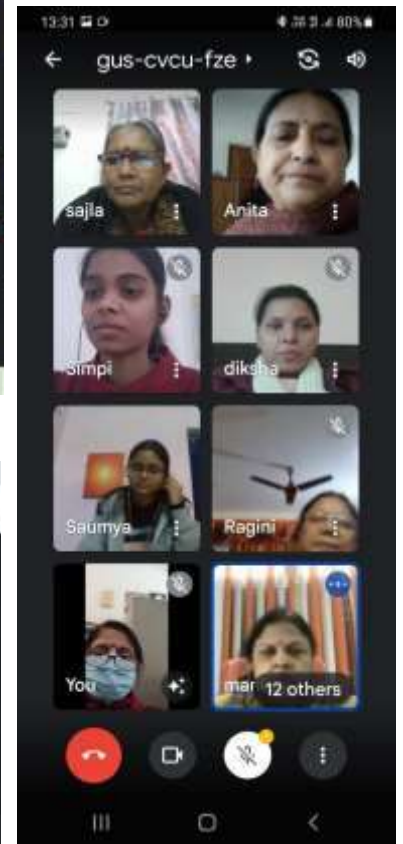
IWC conducted a follow-up quiz session and rewarded the students with sanitary napkins for correct answers. Students enthusiastically listened to the speaker and interacted with them about their doubts/problems.



National Youth Day Celebration, January 18th, 2022 Online Speech Competition on Life and Philosophy of Swami Vivekanand

The celebration of National Youth Day, which is celebrated every year on January 12th, was slightly delayed due to the sudden surge in Covid pandemic. It was organized on 18th Jan'22 in Ganga Devi Mahila Mahavidyalaya under the aegis of NSS (National Service Scheme) and EBSB organized an online Speech Competition for the students. The topic for the competition was *"Life and Philosophy of Swami Vivekananda"*. Students from Intermediate and Graduation actively participated in the programme. Principal Prof. Mani Bala encouraged all the students and shared her views on the topic and asked the students to follow the messages given by Swami Vivekananda. In the competition Saumya Tomar won the first prize, Shubhangi Sharma stood second position and third position was held by Shweta Kumari. The programme was organized by the NSS Nodal Officer Dr. Sajla Shilpi. EBSB coordinator Prof. Rimjhim Sheel also played an important role.





Patna District Youth Festival, 18th Feb'22

An online speech competition was organized for Patna district youth festival on 18th Feb'22. Students from GDMM also participated.



Appreciation of NCC cadets, 25th Feb'22

Captain Nandini Singh, NCC cadet, GDMM and Shiromani, NCC cadet, GDMM received certificate of appreciation and a cheque of INR 1500 from NCC headquarter, Patna for their extraordinary performance as corona warriors. NCC coordinator of GDMM, Mrs. Khushboo was present on the occasion to boost the morale of the cadets.



District level “Pados Yuva Sansad” program was organized at GDMM campus by Nehru Yuva Kendra, Patna on 30th March’22. Smt Sita Sahu, Mayor, Patna Municipal Corporation was the chief guest. Students enthusiastically participated in the program.

- Pados Yuva Sansad program



Sehat Kendra and IQAC organized a Mental health awareness webinar on 9/03/2022 on the topic “Stress management and sleep hygiene”. Expert Dr. Shailendra Kumar Mishra, MD Psychiatry (IMS BHU), Asst Prof, Govt Medical College, Banda, UP was the speaker.



Online career Counselling Program on 11.03.22.



Ganga Devi Mahila Mahavidyalaya,
A Constituent Unit of Patil Putra University, Patna



CAREER COUNSELLING PROGRAM

DATE: 11 MARCH 2022
TIME: 04:00 PM

MOHAMMAD ASHFAQ
Motivational Speaker,
Career Coach & Author

Convenor:
Dr. Shailesh k. Sinha,
Assistant Professor,
Dept. of Zoology

Chairperson:
Prof. Mani Bala
Prof. in-charge,
GDMMU

Co-ordinator:
Dr. Jyoti Mala
Assistant Professor,
Dept. of Philosophy



Department of Sociology under the aegis of IQAC organized a speech competition on the topic “Nuclear family – boon or bane” to celebrate the World Family Day on 18th May’22.



2nd lecture in the “**Creating mental health Awareness**” series was organized by the Sehat Kendra and IQAC of the college on 17th May’2022. The topic was “Global Thinking Local Action”. Renowned psychologist Dr. Mukesh Kishore was the honourable speaker.





GANGA DEVI MAHILA MAHAVIDYALAYA

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2. Gender Sensitization

Poster Making Competition

A poster making competition was organized on 12th July'21 on the following themes:

1. Sexually Transmitted Diseases
2. Birth Control Methods

Dr. Renu Sinha, Incharge, JaiPrabha Hospital was the chief guest cum Judge on the occasion. She interacted with students about the theme and answered their queries.

Winners of the competition:

1. Simpi Kumari (B.A. PartII, Pol Sc Hons)
&
Samayra Singh (B.Sc. Part I, Zoology Hons)
2. Jahanwy (B.A. PartII, English Hons)



3. Payal Sinha (B.Sc. Part II, Botany Hons)

Winners were awarded certificates by the Principal, Prof. Manibala, who appreciated all the participants for their efforts.



Awareness lecture – Breast Cancer & Cervical Cancer

Under the aegis of IQAC, GDMM; Sehat Kendra and EBSB committee of the college organized an awareness lecture to prevent breast cancer and cervical cancer in collaboration with Inner Wheel Club of Shivalja and Inner Wheel club of Vanshree.

Principal of the college Prof. Manibala welcomed the guests and insisted that our young students should be aware of early symptoms of these two ever increasing cancers in women. The guest speaker Dr. Manisha Singh, Associate director and HOD with the help of real life images, eloquently explained the early symptoms and detection of breast cancer. She further talked about the causes and treatment options available at various stages of cancer.

IWC conducted a follow-up quiz session and rewarded the students with pens/chocolates for correct answers. This program was conducted on 19.07.2021 at the Seminar hall of GDMM, PPU. Faculty members and Students were enriched with knowledge about early detection of breast cancer.

The poster is for an awareness lecture on Breast Cancer and Cervical Cancer. It features a central graphic of a pink and teal ribbon forming a stylized 'X' shape. The text is arranged around this central graphic. At the top left is the logo of Patliputra University, Patna. At the top right is the logo of Ganga Devi Mahila Mahavidyalaya. The main title is 'Ganga Devi Mahila Mahavidyalaya' followed by '(NAAC accredited Grade 'B')' and 'A constituent unit of Patliputra University, Patna'. Below this, it says 'In association with Inner Wheel Club Shivalja & Vanshree'. The main topic is 'Awareness to prevent Breast Cancer and Cervical Cancer'. The speaker is 'Dr. Manisha Singh, Associate Director and H.O.D., Medical Oncology, Mahavir Cancer Sansthan'. The date and time are 'Date – 19th July'21' and 'Time – 11:30 am'. The venue is 'Venue- Seminar Hall, GDMM, PPU'. The chairperson is 'Prof. Manibala, Principal, GDMM, PPU'. The organizers are 'Inner Wheel Shivalja Club & Vanshree'. The follow-up quiz host is 'Mrs. Shweta Chaudhary & Mrs. Vandana Agarwal'.

Ganga Devi Mahila Mahavidyalaya
(NAAC accredited Grade 'B')
A constituent unit of Patliputra University, Patna

In association with
**Inner Wheel Club Shivalja
&
Vanshree**

Invites you all to a lecture on

**Awareness to prevent Breast Cancer and
Cervical Cancer**

Speaker
Dr. Manisha Singh
Associate Director and H.O.D.,
Medical Oncology,
Mahavir Cancer Sansthan

Chairperson
Prof. Manibala
Principal
GDMM, PPU

Follow Up Quiz host
Mrs. Shweta Chaudhary
&
Mrs. Vandana Agarwal

Date – 19th July'21
Time – 11:30 am
Venue- Seminar Hall,
GDMM, PPU

Organizers:
Inner Wheel
Shivalja Club
&
Vanshree



Paper – Dainik Jagran, Date - 20.07.21, Page



Awareness Webinar, 21st January, 2022

Topic – Cervical cancer and Hygiene with Sanitary Pad

GDMM collaborated with Inner Wheel Club Patna Shivalja to organize a webinar on Cervical Cancer and hygiene with Sanitary pad. Dr. Nidhi, MBBS, PG Obs Gynec extensively talked about symptoms and preventive measures of cervical cancer focusing on an early detection. She also campaigned for vaccination and screening. Her talk was followed by queries from girls which she answered. Ms Annu Pandey emphasized on use of Sanitary pads to maintain hygiene. The students were enlightened and the webinar was a success.



The poster is for a webinar organized by the Inner Wheel Club, District 325. It features logos for the club, 'PINK FIRST', 'HEROES', and 'STRONG WOMEN'. The main title is 'I.W.C. PATNA SHIVALJA & I.W.C. GAYA' in association with 'Ganga Devi Mahila College & Gaya College'. The topic is 'Cervical Cancer & Hygiene with Sanitary Pad' on Friday 21st January 2022 at 4 pm on Zoom. Speakers are Dr. Nidhi (MBBS, PG OBS GYENY) and Anu Pandey. The Zoom ID is 854 9598 2077 and the password is IW325. The poster also includes the names of the President (Nupur Prasad and Tripti Gupta) and Secretary (Seema Singh and Abha Singh) of the IWC Patna Shivalja and IWC Gaya. A graphic on the right says 'DON'T LET CERVICAL CANCER STOP YOU! GET VACCINATED GET SCREENED IT'S TIME TO END CERVICAL CANCER'. A central graphic says 'Stop Cervical Cancer Get Vaccinated Get Screened'.

INNER WHEEL CLUB
Dist. 325

I.W.C. PATNA SHIVALJA & I.W.C. GAYA
In association with
Ganga Devi Mahila College & Gaya College
Cordially invite you in Webnair on

Cervical Cancer & Hygiene with Sanitary Pad
on Friday 21st January 2022 at 4 pm. on Zoom

Speaker :
Dr. Nidhi
MBBS,
PG OBS GYENY

Speaker :
Anu Pandey

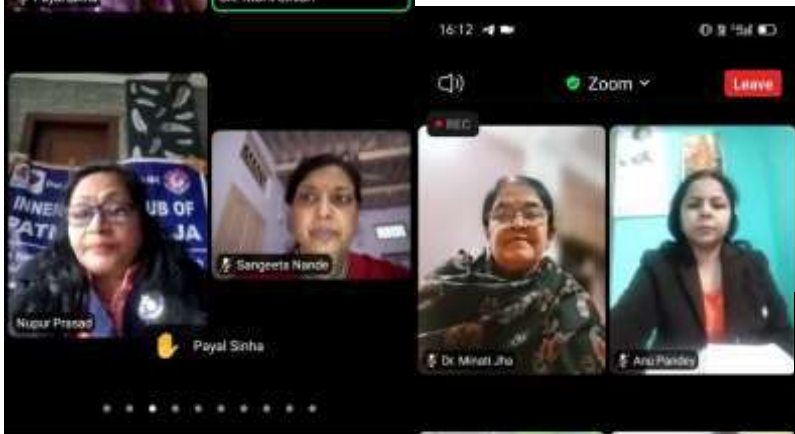
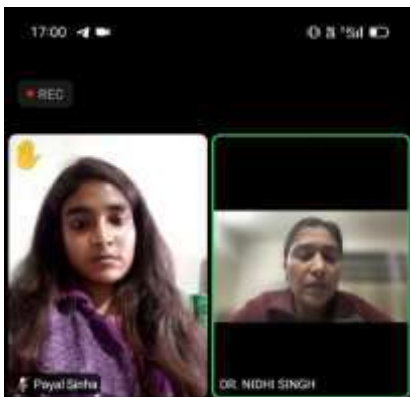
Zoom ID - 854 9598 2077
Password - IW325

President
Nupur Prasad (IWC Patna Shivalja)
Tripti Gupta (IWC Gaya)

Secretary
Seema Singh (IWC Patna Shivalja)
Abha Singh (IWC Gaya)

STOP CERVICAL CANCER
Get Vaccinated
Get Screened

DON'T LET CERVICAL CANCER STOP YOU!
GET VACCINATED GET SCREENED
IT'S TIME TO END CERVICAL CANCER



National Girl Child Day Celebration

Posters emphasizing on equal rights for a girl child were made and displayed by GDMM students under the aegis of NSS on 26th Jan'22 to celebrate and raise

GDMM in collaboration with Mediversal Multi Super Speciality hospital organized a



Health checkup camp

Health checkup camp in the college campus on the occasion of Women's day. – 8th March



अंतर्राष्ट्रीय महिला दिवस 2022
मेडिवर्सल मल्टी सुपर स्पेशलिटी हॉस्पिटल
एवं गंगा देवी महिला महाविद्यालय
द्वारा आयोजित
नि : शुल्क जांच शिविर
परामर्श के लिए मिलें
सुबह 10:00 बजे से लेकर दोपहर 1:00 बजे तक
8 मार्च 2022
मेडिवर्सल मल्टी सुपर स्पेशलिटी हॉस्पिटल, कंकड़बाग, पटना -800020
संपर्क - 0612 3500010/11

Women's day webinar on 8/03/2022

The image displays a promotional poster for a webinar and a screenshot of the Google Meet interface during the event.

Webinar Poster Details:

- Organizers:** Ganga Devi Mahila Mahavidyalaya, NAAC Accredited Grade 'B', A Constituent Unit of Patliputra University, Patna, 800020.
- Department:** Department of Sociology.
- Topic:** Analysis of India's New Education Policy Through a Gender Lens.
- Occasion:** Celebrating the International Women's Day.
- Date and Time:** March 8th, 2022, Time: 1:00 PM.
- Venue:** Google Meet.
- Speaker:** Dr. Suhagini Singh, Assistant Professor, Department of Sociology, Mahila Sanshodhan Mahavidyalaya, Barh, UP.
- Principal:** Prof. (Dr.) Manibala, GDM, PPU, Patna.
- Organizing Secretary:** Diksha Singh.

Google Meet Screenshot Details:

- Participants:** The interface shows several participants in a grid view, including Dr. Suhagini Singh, Mani Bala, Sajeshipi, Bhavya Jha, suman kumar, Kanda Jha 49, Navya Rani, and 8 others.
- Screen Sharing:** A presentation slide is visible on the left, titled "Introduction...", discussing the concept of gender. A notification at the bottom states: "To avoid an infinity mirror, don't share your entire screen or browser window. Share just a tab or a different window instead." Buttons for "Stop presenting" and "Ignore" are present.
- System Information:** The bottom of the screenshot shows the Windows taskbar with the time 4:28 PM, date 08-03-2022, and system icons for network, volume, and battery.

GDMM in collaboration with Jay Prabha Medanta Hospital organized a health talk show to create awareness about breast cancer. Dr. Niharika Roy, Sr. Consultant, Breast services, Medanta Hospital was the speaker.





GANGA DEVI MAHILA MAHAVIDYALAYA

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Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna

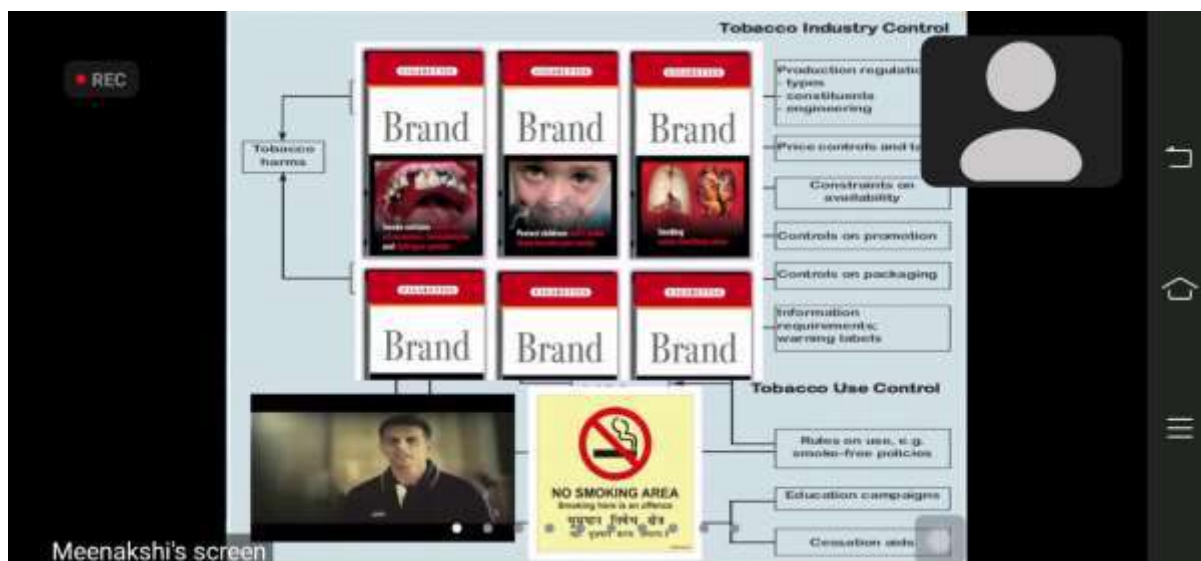


3. Human Values

Lecture- Harmful Effects of Tobacco

Under the aegis of IQAC, GDMM; Sehat Kendra and EBSB committee of the college organized an awareness lecture about harmful effects of tobacco in collaboration with Inner Wheel Club of Shivalja and Inner Wheel club of Patna.

Principal of the college Prof. Manibala welcomed the guests and shed some insight on the importance of awareness against tobacco usage. The guest speaker Dr. Meenakshi Prasad, BDS, MDS, FAGE, Specialty oral medicine & radiology, elaborately explained the ill-effects of tobacco and also talked about early symptoms and detection of mouth cancer. This program was organized online on Google meet platform on 11.07.21. Faculty members and Students were enriched with knowledge about harmful effects of tobacco and early detection of mouth cancer. There were approximately 80 participants.



“Resolves@75’- Fit India Freedom Run 2.0

IQAC, NSS, EBSB committee of GDMM organized a fitness run for health awareness with motto **FITNESS KI DOSE AADHA GHANTA ROZ**. Faculty members and students enthusiastically participated in the event. A group of NSS girls took a run outside the campus in order to spread awareness in the neighbouring society. They ran for 4 km. Other groups ran inside the campus. Everyone ran at their own pace to symbolize freedom. Student from different backgrounds ran together to symbolize Unity in Diversity. This event was organized on 27/08/21.

The event was a success. Everyone felt motivated towards fitness after this run.



Independence Day

Independence Day was celebrated with great enthusiasm in Ganga Devi Mahila Mahavidyalaya. Everyone including students, faculty members and other staffs participated whole heartedly. Principal of the college, Prof. Manibala did the flag hoisting. She, in her deliverance, made everyone aware with the NewIndia@75 campaign and anticipated everyone's participation. NCC cadets saluted the tricolor and did the parade. Dr. Bidhubala (Dept of Sanskrit) supervised a wonderful cultural event on this occasion. Students performed song, dance and pyramid formation.





Sanskrit Diwas

Sanskrit Diwas was celebrated by the Department of Sanskrit on 31.08.2021 to spread awareness, promote and revive the ancient Indian language which attributed the rich culture of India.. Various competitions were organized among students like Sanskrit Song, Poem, Debate, Poster making and Quiz on the eve. Winners were distributed prizes.



हिंदी दिवस

14 सितंबर 2021 को गंगा देवी महिला महाविद्यालय में आजादी का अमृत महोत्सव के साथ संयुक्त रूप से हिंदी दिवस मनाया गया। इस अवसर पर आईक्यूएसी और ईबीएसबी समिति के तत्वावधान में देशभक्ति कविता प्रतियोगिता का आयोजन किया गया। कार्यक्रम का आयोजन कॉलेज के हिंदी विभाग ने किया। प्रो. मणिबाला ने बैठक को संबोधित किया और हिंदी भाषा के महत्व पर जोर दिया। हिंदी विभाग की डॉ. आशा कुमारी (विभागाध्यक्ष) और संस्कृत विभाग की डॉ. बिधुबाला कार्यक्रम की निर्णायक थीं, जिसका संचालन सुश्री खुशबू हिंदी विभाग द्वारा किया गया था। छात्रों ने उत्साहपूर्वक भाग लिया और संकाय सदस्यों ने भाग लिया और छात्रों को प्रोत्साहित किया।

प्रथम विजेता-शिल्पी कुमारी(मनोविज्ञान)

द्वितीय विजेता-सौम्या सिन्हा (आ.ए.सी. द्वितीय वर्ष)

तृतीय विजेता- स्नेहा राज (अंग्रेजी विभाग प्रथम वर्ष)





गंगा देवी महिला महाविद्यालय





द्वारा आयोजित

आज़ादी का अमृत महोत्सव

एवं

हिन्दी दिवस

प्रतियोगिता - देशभक्ति कविता पाठ
 दिनांक - 14 सितंबर 2021
 स्थान - स्मार्ट रुम
 समय - 12:30 दोपहर

Sp Adobe Spark





प्रश्नोत्तरी प्रतियोगिता

दिनांक 15 सितंबर 2021 को आइक्यूएसी और हिंदी विभाग के संयुक्त तत्वाधान में हिंदी पखवाड़ा के अंतर्गत प्रश्नोत्तरी प्रतियोगिता का आयोजन किया गया। प्रश्नोत्तरी प्रतियोगिता की संयोजक डॉ. भव्या और महाविद्यालय की प्राचार्या प्रो. मणिबला के मार्गदर्शन में सफलतापूर्वक प्रतियोगिता आयोजित की गई। कार्यक्रम का संचालन डॉक्टर आशा कुमारी (हिंदी विभागाध्यक्ष) ने किया और धन्यवाद ज्ञापन डॉ. विमला चौधरी वनस्पति विभाग ने किया। निर्णायक मंडल में प्रमांशी जयदेव (इतिहास विभाग) और नीलम सिन्हा (राजनीति शास्त्र विभाग) शामिल थीं। छात्राओं का उत्साह देखने लायक था।

प्रतियोगिता की विजेताओं के नाम निम्नलिखित हैं-

प्रथम विजेता- आर्या आनंद (अंग्रेजी विभाग प्रथम वर्ष)

द्वितीय विजेता - मेघा सिन्हा (आई. ए. द्वितीय वर्ष)

तृतीय विजेता- स्नेहा राज (अंग्रेजी विभाग प्रथम वर्ष)

गंगा देवी महिला महाविद्यालय

द्वारा आयोजित

हिन्दी पखवाड़ा

प्रतियोगिता - राजभाषा प्रश्नोत्तरी
दिनांक - 15 सितंबर 2021
स्थान - स्मार्ट रुम
समय - 12:30 दोपहर

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गंगा देवी महिला महाविद्यालय



हिन्दी विभाग द्वारा आयोजित
आज़ादी का अमृत महोत्सव



दिनकर जयंती

दिनांक - 23 सितंबर 2021
स्थान - स्मार्ट रुम
समय - 11:30 सुबह

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प्रतियोगिता - सुलेख
दिनांक - 22 सितंबर 2021
स्थान - स्मार्ट रुम
समय - 12:30 दोपहर

प्रतियोगिता - श्रुतलेख
दिनांक - 23 सितंबर 2021
स्थान - स्मार्ट रुम
समय - 12:30 दोपहर

प्रतियोगिता - निबंध लेखन
विषय - अनेकता में एकता
दिनांक - 25 सितंबर 2021
तक सुश्री खुशबू, हिंदी विभाग
के पास जमा करें।

गंगा देवी महिला महाविद्यालय



द्वारा आयोजित

हिन्दी पखवाड़ा

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Red Ribbon Club Quiz 2021

An online **Red Ribbon Club Quiz 2021** elimination round was organized by BSACS on 4th Sep'2021. The link was open from 5:00 – 6:30 pm. The main objective of this competition was to create awareness for the eradication of HIV/AIDS, voluntary blood donation and Tuberculosis. Students participated enthusiastically. NSS of GDMM played an important role in motivating students to participate in the event.

Simran Kumari, Saumya Tomar, Anuja and Sanjana Sharma from GDMM were selected for the district level competition of the Red Ribbon Club Quiz 2021.

Teacher's Day

Teacher's Day was celebrated to commemorate the contribution of Dr. Sarvpalli Radhakrishnan as an educator. The principal, Prof. Manibala, in her address to the college, emphasized on the role of teachers as nation builders. Everyone shared their experiences. Students celebrated this day with great enthusiasm and thanked the teachers for their guidance.



On this occasion, they held cake cutting ceremony followed by speech, poem, song etc in their respective departements.



Republic Day Celebration, 26th Jan'22

Republic Day was celebrated in the college in presence of Principal and a few staffs keeping in mind the current Covid guidelines of the state government. The NCC cadets did the parade and salute, the Principal hoisted the National flag followed by everyone singing the national Anthem.



A virtual Sehat talk Show, January 15th, 2022
Topic – Importance of nutrition and Covid 19

The Sehat Kendra of Ganga Devi Mahila Mahavidyalaya organized a virtual talk show on the Importance of nutrition in the current pandemic situation. The keynote speaker, Dr. G. M. Kumar is a famous health expert who has served as Chief Dietician at PMCH. He in his lecture elaborately explained the nutritional requirement to prevent from Covid19 and what are the food sources to acquire it. He also answered some diet related queries of enthusiastic participants. He also focused on food intakes for diabetics and blood pressure patients. The talk was highly informative. The Principal Prof Manibala praised the organizer Dr Sajla Shilpi, Nodal Officer, Sehat Kendra for organizing this relevant talk show.



Ganga Devi Mahila Mahavidyalaya, Patliputra University, Patna

Organises

A Virtual Sehat talk Show
on
Importance of Nutrition & Covid 19

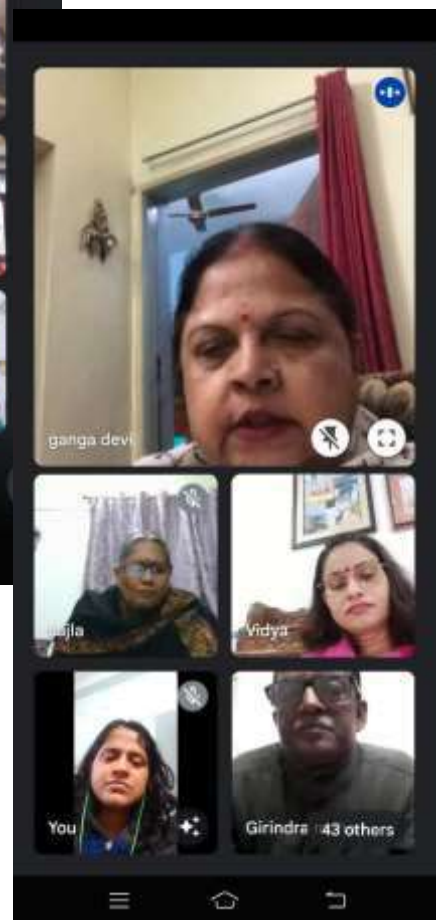
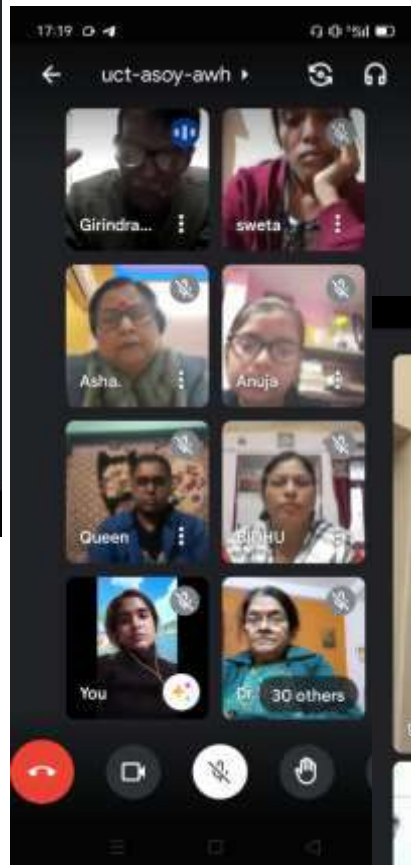


Keynote Speaker
DR. G.M KUMAR
Ex Chief Dietitian, PMCH

Date - 15.01.2022, Time -5pm, Through Zoom App

Organiser Dr. Sajla Shilpi Nodal Officer RRC	Principal Prof. (Dr.) Manibala
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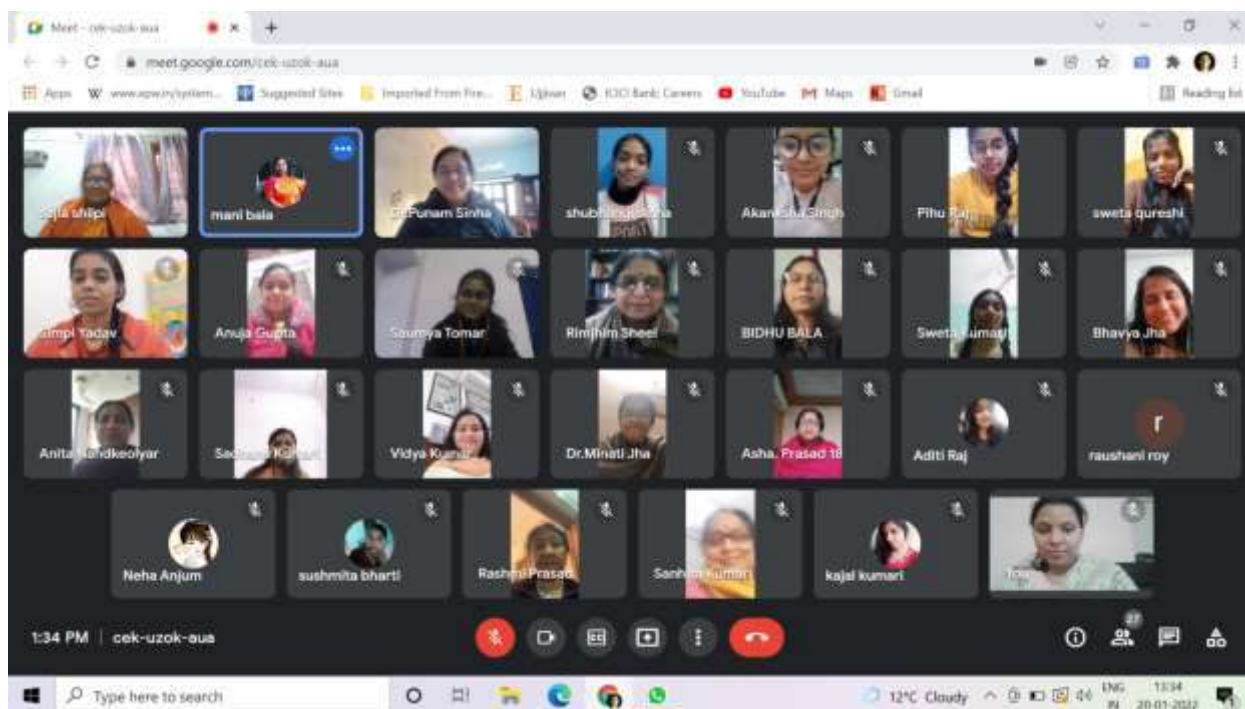




Online Speech and poster making Competition, January 20th, 2022

Topic- Blood Donation

Blood donation is regarded as one of the most esteemed donation of all. Ganga Devi Mahila Mahavidyalaya has organized an online Speech Competition on the topic Blood Donation under the banner of Sehat Kendra. Principal of the college Prof. Manibala addressed the students about the topic and showed her full cooperation and motivation for the programme among the students. The online programme was organized on the virtual platform Google Meet. Dr. Sajla Shilpi, who is the nodal officer of Sehat Kendra, was the organiser of this event. Many students from both Intermediate and Graduation took enthusiastic participation in the competition and showed their immense orating and painting skills on the given topic. There were three winners in each category in the programme.



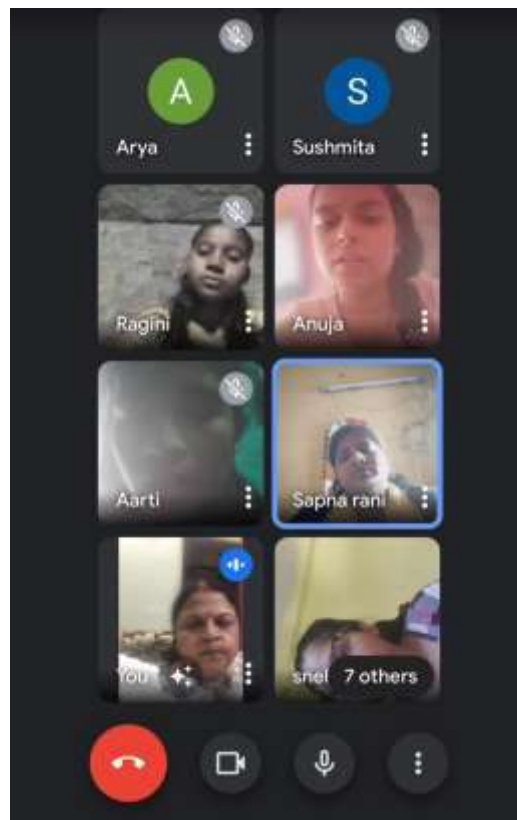


Yoga camp

Department of Home Science in collaboration with NSS organized a yoga camp in the campus to celebrate the International Yoga Day on 21st June'22.



NSS organized an online speech competition on importance of blood donation on 14th June'22. Students participated in blood donation drive organized by BSACS on 14th June'22.



Saraswati Puja Celebration, 5th Feb'22

Saraswati Puja was celebrated in the college on 5th Feb'22. The students organized a simple yet beautiful program. Keeping the Covid guidelines in mind any major gathering was avoided.



State level painting competition organized by BSACS, 22nd Feb'22

A state level painting competition to raise awareness about HIV/AIDS and blood donation was organized on 22nd Feb'22 in Veer Kunwar Singh Azadi Park. Students from many colleges across the state participated in the program. All the students received a painting kit, a mug and a participation certificate. Winners received exciting prizes. Students of GDMM successfully pa



Inter college speech competition, 28th Feb'22

An Inter college speech competition was organized by IQAC, GDMM. Dr. Jyoti Mala, Asst Prof, Dept of Philosophy, played an active role in bringing students from different colleges on a single online platform. The topic was Pros and Cons of Online learning. Students from 12 different colleges participated.



Ganga Devi Mahila Mahavidyalaya
A Constituent Unit of Patliputra University
Organising an
"INTER-COLLEGE ONLINE SPEECH COMPETITION"
Theme:- Pros & Cons of Online Learning
ऑनलाइन शिक्षा की खूबियाँ और खामियाँ
Conducted by IQAC, GDMM

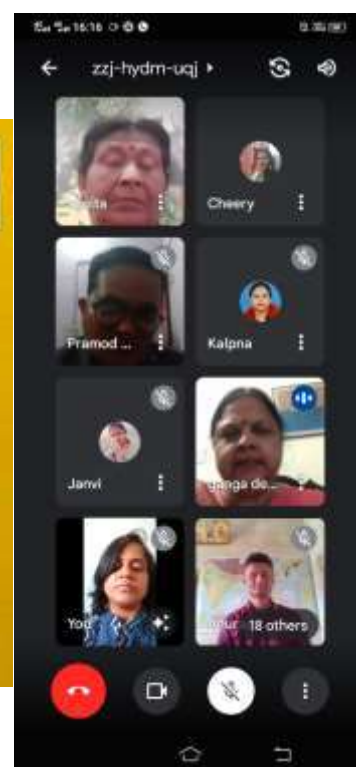
Date: Feb 28th, 2022 Platform: Google Meet Time: 4 PM

Juries
Dr. P. K. Bagde Associate Professor Dept. of Philosophy BHU, Varanasi
Dr. P. R. Das Asst. Professor Dept. of English Purnea University, Purnea

Organiser
Dr. Jyoti Mala
Asst. Professor
Dept. of Philosophy

Chairperson
Prof. ManiBala
Principal

Winners will get exciting prizes
Note:- Different colleges of PPU will send one best participant. 3*1 min will be provided to each participant.



- Bihar Diwas (22 and 23 March'22)
- Students of GDMM participated in various events including group dance, folk song, Speech, Rangoli of Bihar Diwas celebrations by Dept of Higher Education, govt of Bihar.

* 22-24 मार्च 2022 को आयोजित बिहार दिवस समारोह में हमारी छात्राओं ने बंद-चढ़ कर हिस्सा लिया। उच्च शिक्षा विभाग द्वारा आयोजित एकमात्र रंगोली की प्रतियोगिता में हमारे महाविद्यालय की दूसरा स्थान प्राप्त हुआ।
जल-जीवन-परिपाली पर आधारित नृत्य-नाटिका का प्रस्तुतीकरण हमारी छात्राओं ने 22-03-2022 को किया, जिसकी सबलीडों ने काफी सराहना की। दिनांक 24-03-2022 को सभी प्रतियोगियों को सम्मानित किया गया।

22-03-2022

गंगा देवी महिला महाविद्यालय,
पाटलिपुत्र वि.वि., पटना,
बिहार-दिवस समारोह
रंगोली

1. सिम्पी कुमारी, राजनीति-शास्त्र, पार्ट-III
2. अपंजलि मिश्रा, राजनीति-शास्त्र सम्मान, पार्ट-III
3. सुप्रिया प्रताप सिंह, राजनीति-शास्त्र सम्मान, पार्ट-II
4. श्वेता कुमारी, राजनीति-शास्त्र सम्मान, पार्ट-II
5. आदली मिश्रा, अर्थ-ए., प्रथम वर्ष



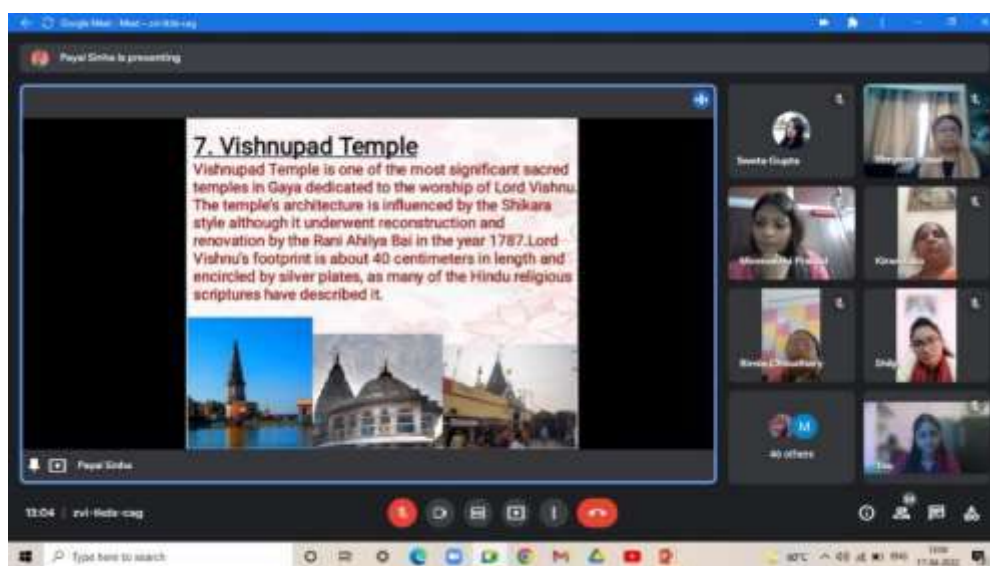
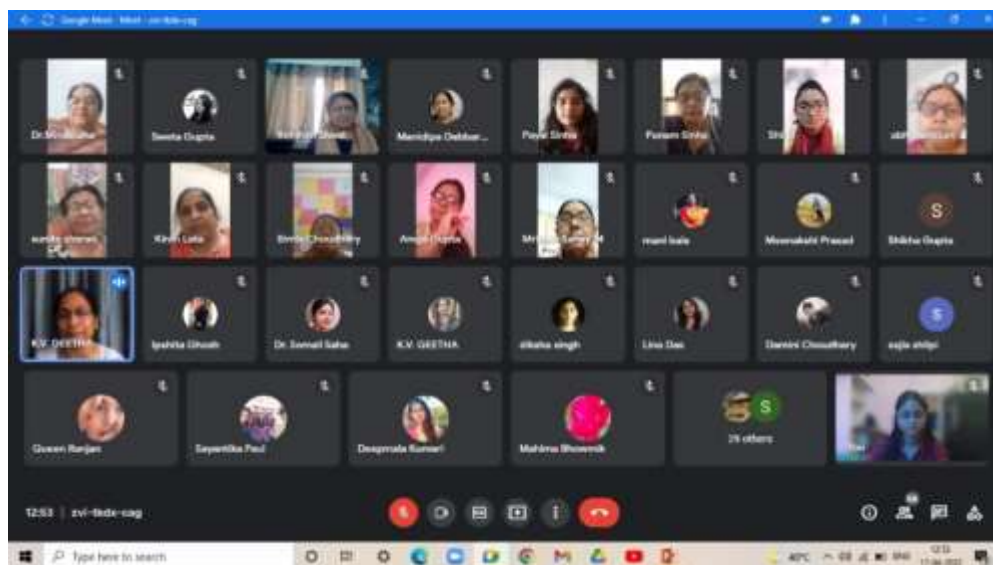




Sports Week was observed in GDMM from 4th to 10th March'22. Various indoor and outdoor games were organized for the students.



EBSB committee of GDMM organized an online program with the paired college (Women's college, Agartala). All the participants came to know about both the states through comprehensive presentations from the students and invited guests of respective states.



Poshan Pakhwada was celebrated by NSS and Home Science department of GDMM.

Following programs were conducted:

Health Quiz

Poshan themed poem competition

Making of healthy laddoos

Kitchen gardening

Preparation of traditional tribal food of Jharkhand for healthy mother and baby.

Discussion on complete vaccination and on Anaemia: prevention and dietary management.

World Health Day celebration on 7th April.







GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna



4 Environment and Sustainability

Science Exhibition, 25th Feb'22

A poster/model competition cum exhibition among the students of GDMM was organized by the IQAC and Zoology department of GDMM on 25th Feb'22 for the upcoming National Science day. Theme of the event was: Integrated Approach in Science and Technology for a Sustainable future. Students across all the departments participated enthusiastically.



Save Goraiyaa- an awareness drive.



Science Day webinar 2/03/2022

Ganga Devi Mahila Mahavidyalaya
NAAC Accredited Grade 'B'
A constituent unit of Patliputra University, Patna

IQAC and Department of Zoology invite you
to a WEBINAR on the topic

**HIV/AIDS Response and
sustainable future**

**Celebrating the
National Science
Day**

Speaker
Dr. Abhoy Prasad
Ex Additional
project Director
Bihar State AIDS
Control society

Chairperson
Prof. (Dr.) Manibala
Prof. In charge,
GDM

Organizing secretary
Dr. Bhavya Jha

Date - 02/03/2022
Time - 1:30 pm
Venue - through Google meet



International Biodiversity Day on 19th May'.

- Department of Zoology and Department of Botany under the aegis of IQAC organized an awareness program followed by an essay writing competition to celebrate the International Biodiversity Day on 19th May'.



World Environment Day

Department of Zoology and Department of Hindi celebrated the World Environment Day on 6th June'22. A speech competition was organized in the Zoology department on this occasion.

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GANGA DEVI MAHILA MAHAVIDYALAYA

NAAC accredited grade 'B'
Lohiya Nagar, Kankarbagh, Patna
A constituent unit of Patliputra University, Patna

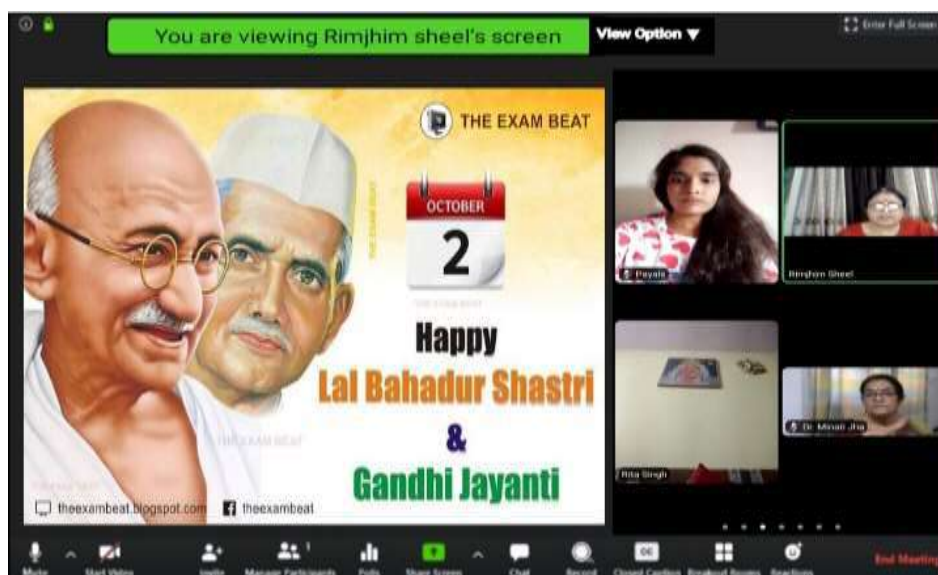


CURRICULUM ENRICHMENT ACTIVITIES (2020-21)



02.10.2020

Gandhi Jayanti and the birth anniversary of Lal Bahadur Shastri was celebrated on 2nd of October on virtual platform. The program was organized by the EBSB Nodal Officer Prof. Rimjhim Sheel. Posters, Poem , Essay and Power Point Presentations were Prepared and displayed by students.



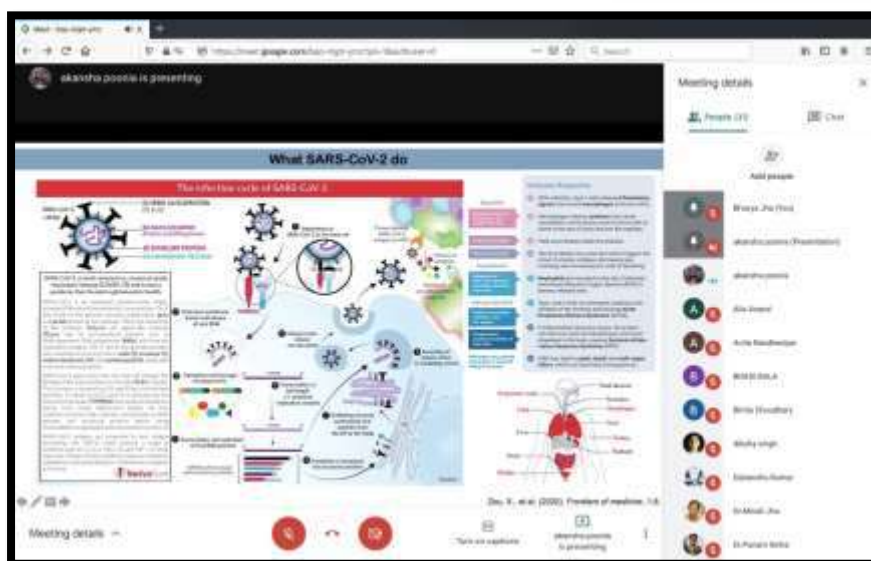
7.10.2020 TO 10.10.2020

Online Quiz Competition was organized by Red ribbon club on AIDS Awareness. Students of GDMM participated enthusiastically.



12.10.2020

Department of Zoology of Ganga Devi Mahila Mahavidyalaya organized a webinar on the topic "Covid19 vaccine: Immunological perspective and challenges" on virtual platform of Google meet. The program was initiated with a welcome speech by Dr. Bhavya Jha, Assistant Professor, GDMM. Principal of the college Prof. Rita Kumari Singh provided an insight about the current pandemic situation and how everyone is looking forward to a vaccine. Dr. Akansha Singh, post doctoral fellow from Oklahoma State University, USA was the speaker of the event. she gave a detailed lecture on immunology behind the working of vaccines.



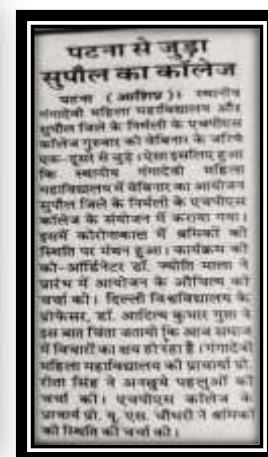
13.10.2020

Ganga Devi Mahila Mahavidyalaya in collaboration with IWC Shailja planted trees like Eucalyptus, Deodar, Arjun, Moringa, bael, Amla, Ashoka etc. of Medicinal value and Timber.



15.10.2020

A webinar was conducted by department of Philosophy, Ganga Devi Mahila Mahavidyalaya, PPU, Patna in collaboration with dept. of Philosophy, H.P.S. College, Supaul, BNMU, Madhepura in order to analyse philosophical resolutions of the biggest problem of India i.e. Poverty, which has taken a terrible form during Pandemic. The programme started with the inauguration and welcome of the participants by Dr.Jyoti Mala, coordinator of the webinar. Dr, Aditya Kumar Gupta, faculty of arts, University of delhi, was the main speaker who covered and related the all spheres of philosophy as the resolution of poverty in India. He spoke to clarify the distinction of class in society because everyone is contributing in their own way.



04.11.2020

Students participated in the district level online Quiz Competition organized jointly by Bihar State AIDS Control Society and Red Ribbon Club in online mode. Payal Sinha and Jiya Sinha of GDMM College bagged the Second prize.





युवा - संचार 2020

ऑनलाइन प्रश्नोत्तरी प्रतियोगिता

जिला स्तरीय प्रतियोगिता में भाग लेने वाले प्रतिभागियों के लिए दिशा-निर्देश:

- ऑनलाइन प्रतियोगिता गूगल मीट ऐप के माध्यम से आयोजित किया जाएगा।
- सभी प्रतिभागी अपने केल में गूगल मीट ऐप डाउनलोड कर पूर्वसूचनाएं कर लें।
- दल के दोनो प्रतिभागियों से बराबर पक्ष(5 पक्ष) चुने जावेंगे।
- सेटबैक संबंधित सज्जमान अनावश्यक होंगे।
- प्रतियोगिता के दौरान सभी प्रतिभागी अनुशासन बनाए रखेंगे।
- किसी भी प्रकार के अनुशासन लंघन करने पर प्रतिभागिता रद्द कर दी जाएगी।
- प्रतिभागी अवसर प्रतियोगिता के लिए तैयार रहेंगे।
- पक्ष एवं उत्तर संबंधी समिति का निर्णय अंतिम एवं सर्वप्रधान होगा।

नोट:-

- प्रथम तीन दलों के दोनो प्रतिभागियों को (1) आल का प्रथमस्थान ट्रॉफी का नर्सिक पत्रिका का एक वर्ष कापी दिया जाएगा।
- सभी प्रतिभागियों को प्रमाण पत्र दिया जाएगा।

जिला :- पटना-2
तिथि
04 नवम्बर, 2020
समय
अपराह्न 02:00 बजे से शुरू


Google Meet

1097
RTV/ATIS Helpline Number

ऑनलाइन प्रश्नोत्तरी में गंगा देवी की छात्राएं सेकेंड

patna@inext.co.in

PATNA (5 Nov): बिहार राज्य एड्स नियंत्रण समिति, पटना व रेड रिबन क्लब के संयोजन में आयोजित युवा-संचार 2020 जिला स्तरीय ऑनलाइन प्रश्नोत्तरी प्रतियोगिता में गंगा देवी महाविद्यालय, पटना के एनएसएस कम्प्यूटरिक पायल सिन्हा एवं जिया सिन्हा ने संयुक्त रूप से द्वितीय स्थान प्राप्त किया। इस प्रतियोगिता में बिहार के प्रत्येक जिले से 5 महाविद्यालयों का चयन किया गया है। पटना जिले में कुल 20 महाविद्यालय से 40 छात्र-छात्राओं को इसके लिए चयनित किया गया है। जिनमें चार फेज में बांटा गया है। पटना जिला फेज-2 में 5 कॉलेज अर्थात् महिला, बी.टी. कॉलेज, टी.पी.एस. कॉलेज, बी.टी. कॉलेज एवं पायल सिन्हा एवं बुनियादियों के प्रतियोगियों ने भाग लिया। जिसमें गंगा देवी महिला महाविद्यालय ने द्वितीय स्थान प्राप्त किया। पायल एवं जिया की सफलता पर कॉलेज के एनएसएस की कार्यक्रम प्रदाधिकारी सज्जता शिल्पी एवं सीनियर प्रोफेसर मनिबला जी ने बधाई दी। इस ही कि यह प्रतियोगिता 17 अक्टूबर से 09 नवंबर तक बिना रुकावट एवं 11 नवंबर से 16 नवंबर तक प्रमोशन सर्टीफ प्रतियोगिता का आयोजन किया जाय है। प्रथम स्तरीय प्रतियोगिता में जीके प्रतिभागी 12 नवंबर को राज्य स्तरीय प्रतियोगिता में भाग लेंगे।

Inext 5.11.2020

पायल व जिया को दूसरा स्थान मिला

पटना। बिहार राज्य एड्स नियंत्रण समिति व रेड रिबन क्लब और से युवा संचार 2020 जिला स्तरीय ऑनलाइन प्रश्नोत्तरी प्रतियोगिता में गंगा देवी महाविद्यालय की सेवक पायल सिन्हा और जिया सिन्हा ने संयुक्त रूप से द्वितीय स्थान प्राप्त किया। इस प्रतियोगिता में बिहार के प्रत्येक जिले से 5 महाविद्यालयों का चयन किया गया है। पटना जिले में कुल 20 महाविद्यालय से 40 छात्र-छात्राओं को चयनित किया गया है। जिनमें चार फेज में बांटा गया है। इसमें गंगा देवी महिला महाविद्यालय ने द्वितीय स्थान प्राप्त किया। पायल व जिया की सफलता पर कॉलेज के राष्ट्रीय सेवा योजना की कार्यक्रम प्रदाधिकारी सज्जता शिल्पी एवं सीनियर प्रोफेसर मनिबला जी ने बधाई दी।

गंगा देवी की छात्राओं को मिला दूसरा स्थान

पटना। बिहार राज्य एड्स नियंत्रण समिति, पटना और रेड रिबन क्लब के सहयोग से युवा-संचार 2020 जिला स्तरीय ऑनलाइन प्रश्नोत्तरी प्रतियोगिता का आयोजन किया गया। इसमें गंगा देवी महाविद्यालय पटना के एनएसएस की पायल सिन्हा व जिया सिन्हा ने संयुक्त रूप से दूसरा स्थान प्राप्त किया।



Fri, 06 Nov
<https://epa>

पायल और जिया सिन्हा को क्विज में मिला दूसरा स्थान

पटना। बिहार राज्य एड्स नियंत्रण समिति द्वारा आयोजित युवा-संचार 2020 जिला स्तरीय ऑनलाइन प्रश्नोत्तरी प्रतियोगिता के दूसरे दिन गंगा देवी कॉलेज की पायल सिन्हा और जिया सिन्हा ने संयुक्त रूप से द्वितीय स्थान प्राप्त किया। इस प्रतियोगिता में बिहार के प्रत्येक जिले से 5 महाविद्यालयों का चयन किया गया है। पटना जिले में कुल 20 महाविद्यालय से 40 छात्र-छात्राओं को इसके लिए चयनित किया गया है। जिनमें चार फेज में बांटा गया है।

Dainik Jagaran
5.11.2020

Dainik Bhaskar 5.11.2020

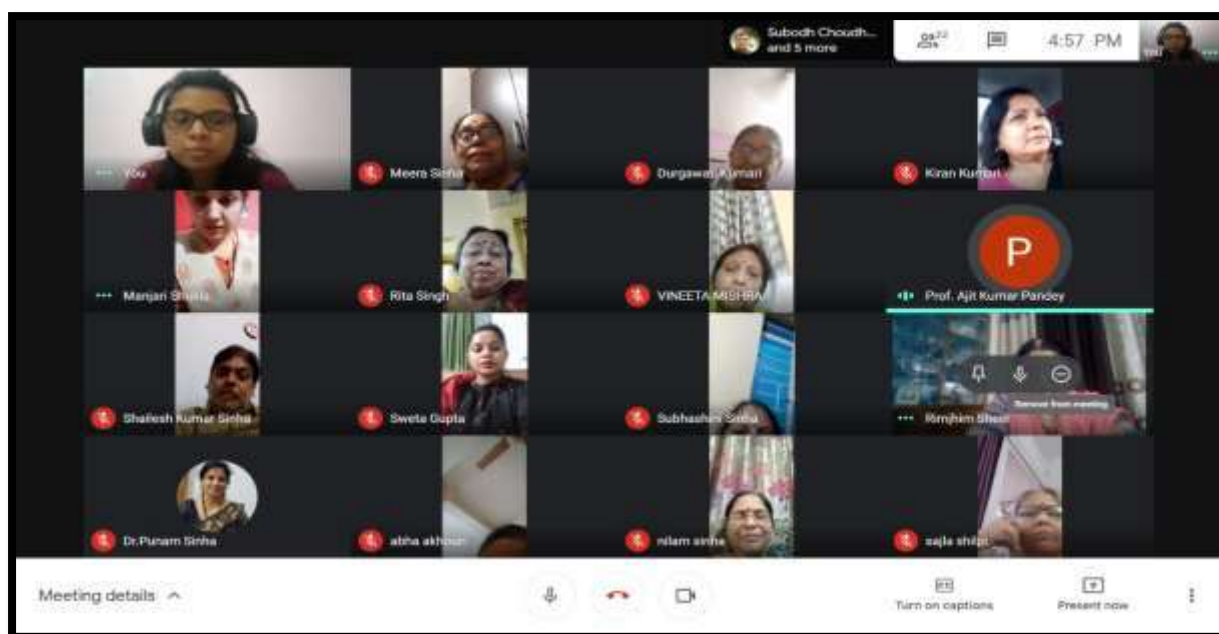
4.11.2020

GDMM organized a webinar on the topic “Beyond New Social Movements: Social Conflicts and Institutions in Bihar. The program was initiated with theme introduction and welcome speech by Ms. Diksha Singh, Asst. Professor, Sociology dept, GDMM. Principal of the college Prof. Rita Kumari Singh provided an insight about the various social movements that leads our society towards change and discussed how movements affect our lives.

Prof. Ajit Kumar Pandey, the guest speaker is the former HoD and professor in the department of Sociology, Banaras Hindu University, Varanasi. Professor Pandey broadly discussed about the current socio- political and structural changes in Bihar which has been taking place since 1960s till today. He spoke about the recent forms of collective actions in terms of caste and religious issues which are not trying to develop solidarity but to satisfy and recognize individual needs of the people in Bihar

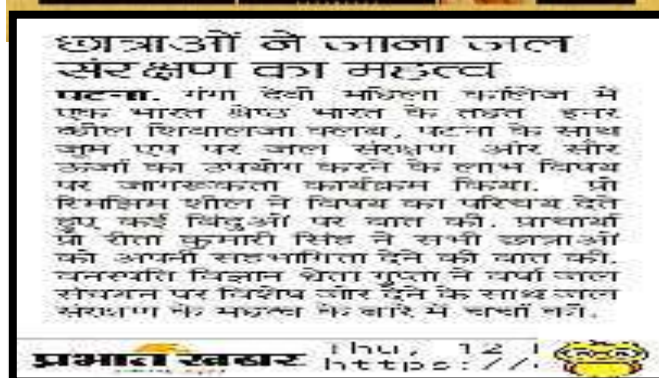
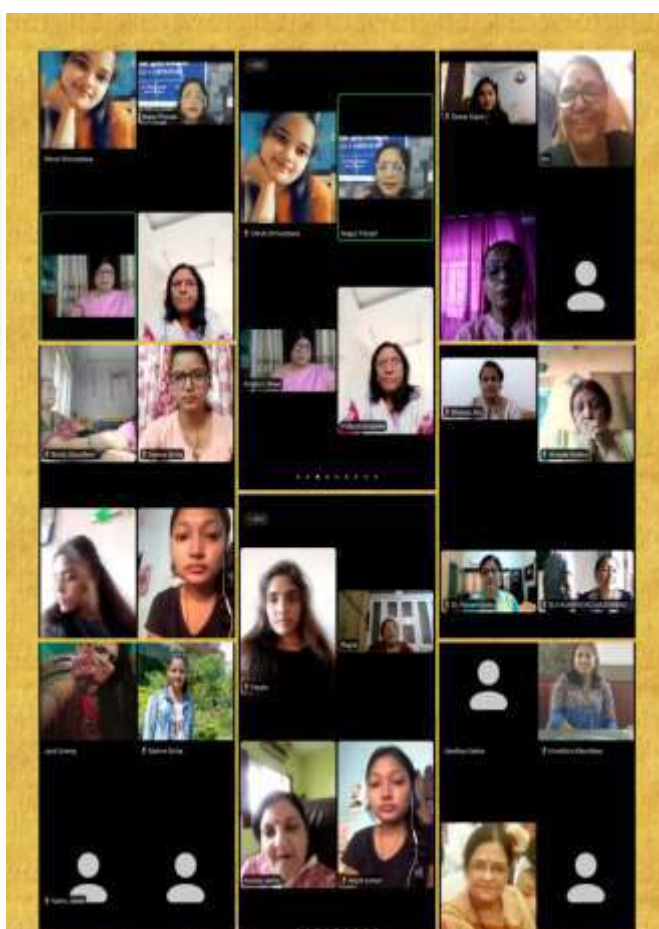
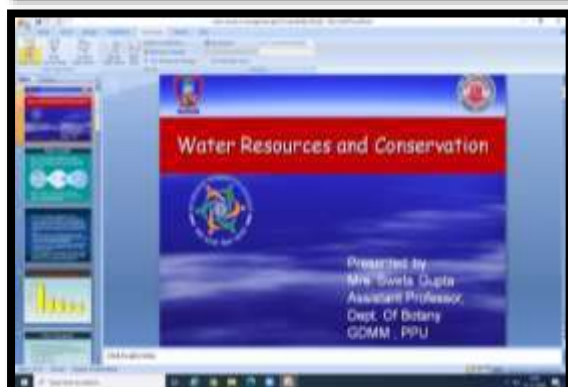


Hindustan
5.11.2020



11.11.2020

GDMM College and Inner wheel Shivalja Club, Patna organized an awareness program on the topic “Water Conservation and the Benefit of using Solar energy”. The welcome speech and introduction of the topic was delivered by Prof. Rimjhim Sheel Organizing Secretary of the event and the additional proctor, PPU. Mrs. Sweta Gupta, Assistant Professor, Botany, GDMM, PPU discussed about the importance of water conservation with special emphasis on Rain water harvesting. She discussed about the importance of sustainable water management so as to meet the water need of present generation as well as the future generation. Then, Dr. Bhavya Jha, Assistant Professor, Zoology, GDMM, PPU presented slides about the benefits of using solar energy as it is the cleanest and most abundant renewable source of energy. Then students Payal Sinha, Botany Hons. And Nishee Kumari, Zoology Hons. also shared their presentation on the topic.



11.11.2020

Rangoli making completion and Diwali celebration was organized GDMM College. The program started with the lighting of lamp by Shruti Srivastava, a student o Zoology department. Then, Prof. Rimjhim Sheel, Organizing Secretary of the event and the additional proctor, PPU delivered welcome speech and introduction. Then, pictures and power point presentation of the students on special rangoli competition on the eve of Diwali was shown by Prof. Rimjhim Sheel.



Aaj Newspaper
12.11.2020

29.12.2020

Students of GDMM College Participated in the Blood donation Camp and prize distribution ceremony organized by Bihar State AIDS Control Society. Importance of Blood Donation and related myths were also discussed by Doctors.



10.01.2021

Ganga Devi Mahila Mahavidyalaya celebrated Hindi Diwas. It was organized by the Hindi Department of the college. Importance of Hindi as our National language was discussed.



गंगा देवी महिला कॉलेज में मनाया गया हिंदी दिवस
घटना (आशिष)। स्वतंत्र गंगा देवी महिला कॉलेज में आयोजित संगोष्ठी में हिंदी के प्रचार-प्रसार का संकल्प लिया गया। संगोष्ठी की अध्यक्षता करते हुए प्राचार्या प्रो. रीता सिंह ने छात्राओं का आह्वान किया कि हिंदी के विकास में आगे आएं। आयोजन हिंदी विभाग ने किया था। प्रारंभ में विभागाध्यक्षा डॉ. नीलम सिन्हा ने आयोजन के औचित्य को बर्चा को। डॉ. आशा कुमारी ने भी संगोष्ठी को सम्बोधित किया। डॉ. प्रमोदा शर्मा, प्रो. रिमझिम शील, डॉ. विमला चौधरी, गुराबू एवं डॉ. शैलेश कुमार भी संगोष्ठी में मौजूद थे।

गंगा देवी महिला कॉलेज में संगोष्ठी
घटना (आशिष)। स्वतंत्र गंगा देवी महिला कॉलेज में आयोजित संगोष्ठी में हिंदी के प्रचार-प्रसार का संकल्प लिया गया। संगोष्ठी की अध्यक्षता करते हुए प्राचार्या प्रो. रीता सिंह ने छात्राओं का आह्वान किया कि हिंदी के विकास में आगे आएं। आयोजन हिंदी विभाग ने किया था। प्रारंभ में विभागाध्यक्षा डॉ. नीलम सिन्हा ने आयोजन के औचित्य को बर्चा को। डॉ. आशा कुमारी ने भी संगोष्ठी को सम्बोधित किया। डॉ. प्रमोदा शर्मा, प्रो. रिमझिम शील, डॉ. विमला चौधरी, गुराबू एवं डॉ. शैलेश कुमार भी संगोष्ठी में मौजूद थे।

Prabhat Khabar, Pg. 5, 12.01.2021

Aaj Newspaper, Pg. 11, 12.01.2021

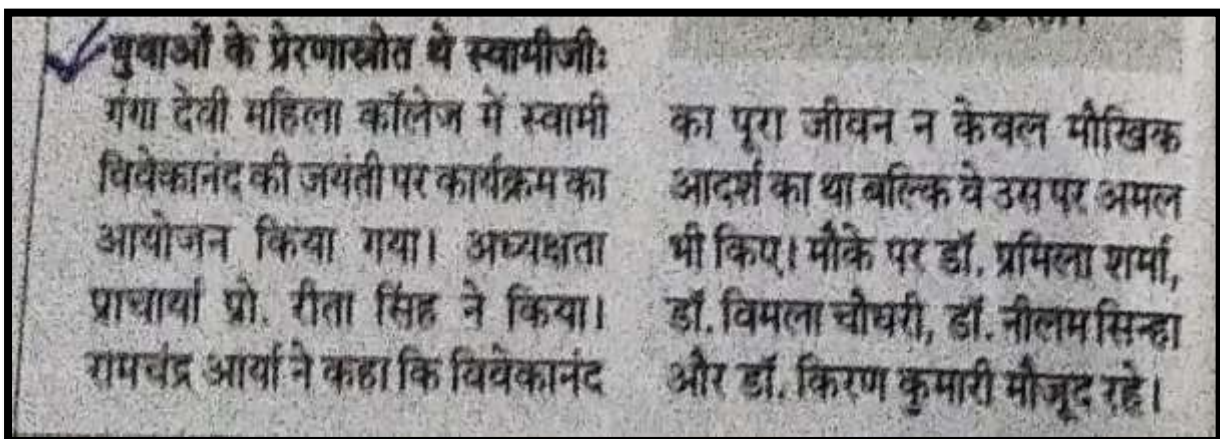
11.01.2021

Jal Jeevan and Hariyali Awareness Programme was organized. Poster presentation and slogan making was done by Students



12.01.2021

National Youth Day was celebrated on the occasion of Swami Vivekanand Jayanti. The Guest of the event was Ramchandra Arya. He emphasized on the philosophy of Swamiji and the ideals for which he lived and stated that it could be a great source of inspiration for the youth.



19.01.2021

Eye Checkup Camp by Sri Sai Reliance Netralaya



23.01.2021

Essay writing Competition on the Occasion of Netaji Subhas Chandra Bose Jayanti was organized and the winners of the completion got the certificate on 26th January



26.01.2021

The 72nd Republic day of our country was celebrated with great enthusiasm and joy. The program started by paying tribute to Late Ganga Devi; honourable Principal Prof. Rita Kumari Singh along with the Proctor PPU, Prof. Rimjhim Sheel garlanded the statue. Then, the NCC cadets did a magnificent parade and performed the salute following which the flag was hoisted by the Principal. Every heart filled with pride unified in one sound “Jan Gan Man” as the tricolour flew high. A series of events followed. A bunch of very talented girls performed a patriotic group song which hit the chords of everyone’s heart. A speech highlighting the importance of Republic was made and a beautiful poem recitation was done. A splendid pyramid and pattern formation on different songs and tunes was performed by delighted young students. Miss Shruti Srivastava sang “Aye mere watan k logon” leaving everyone teary eyed. The principal presented her profound thoughts on this occasion. The program concluded with sweet distribution and photo session.



08.02.2021

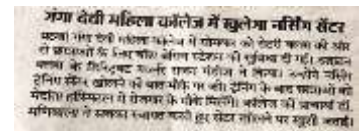
The Rotary club of Patna gifted a hand-wash station to the Ganga Devi Mahila Mahavidyalaya. It was inaugurated by Rajan Gandotra, D.G. of the club in presence of the Principal, the faculty members and non-academic staff of the college.



Paper- Hindustan,
Date - 09.02.2021



Paper- Prabhat Khabar
Date -09.02.2021



Paper- Dainik Bhaskar
Date- 09.02.2021

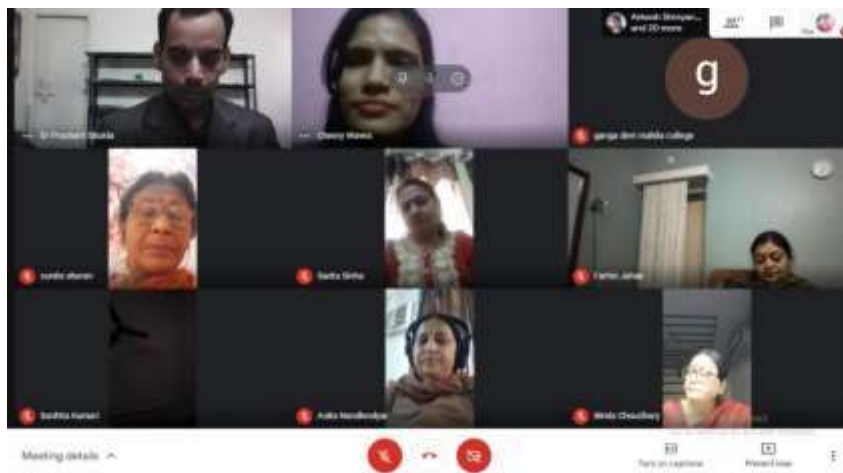
16.02.2021

Saraswati Pooja was enthusiastically organized by the students. After the Pooja students performed some cultural activities including Saraswati Vandana, group dance and Bhajans.



23.02.2021

A webinar was organized to sensitize the faculties with New Education Policy 2020. The topic was “Teacher’s Role in NEP Implementation.” Dr. Prashant Shukla, Department of Philosophy, University of Lucknow and Dr. Rahul Raj, Department of Anc. History and Archaeology, B.H.U. were the speakers.



24.02.2021

A Poster display prior to the “National Science Day” was organized to motivate students towards imbibing Science in their day to day lives.



26.02.2021

An awareness cum admission drive was organized jointly by Ganga Devi Mahila Mahavidyalaya and IGNOU Regional Centre.



28.02.2021

A webinar was organized by the college on the “National Science Day”. The first speaker Dr. Sonia Verma, Scientist, AIIMS, New Delhi talked about the contribution of Women in Science across the century. The second speaker Dr. Abhisek Dwivedy, RA, NII, New Delhi emphasized on future implications of Integrative Biology in drug discovery.

Ganga Devi Mahila Mahavidyalaya
(NAAC accredited Grade 'B')
A constituent unit of Patliputra University, Patna
Invites you all to celebrate the
National Science Day!!

Lecture 1:
Women in Science
By Dr. Sonia Verma

Lecture 2:
Science of future:
Role of Integrative
Biology in Infectious
Disease Control
By Dr. Abhisek Dwivedy

Cocordinator:
Dr. Bhavya Jha
Asst. Prof. Zoology,
GDMM

Dr. Sonia Verma
Scientist
AIIMS, New Delhi

Dr. Abhisek Dwivedy
Research Associate
NII, New Delhi

Prof. Manibala
Principal
GDMM, PPU

Date - 28th Feb'21
Time - 3 pm
Venue - Google Meet
Link-
<https://meet.google.com/sgp-sanz-gno>

Sonia Verma is presenting

3:16 PM

The framework of Integrative Biology?

Diagram illustrating the framework of Integrative Biology, showing the integration of various biological data (Genetics, Transcriptomics, Proteomics, Metabolomics, Microbiome, and Clinical data) to achieve a better understanding of human disease, drug discovery, and personalized medicine.

Click to add video

Meeting details

01.03.2021

A speech and a painting competition was organized under the aegis of Bihar State AIDS control society to create awareness among students. These competitions were a part of the comprehensive event "Youth Health Dialogue."



08.03.2021

State level speech and painting competition among the selected participants of each college was organized under the banner of Youth Health Dialogue on International Women's Day.



08.03.2021

A webinar was organized by the college on “International Women’s Day” with the 2021 theme #choosetochallenge. Prof. Aarti Srivastava of Department of Higher Education, NEIPA, New Delhi and Prof. Seema Singh, Faculty of Education, BHU, Varanasi were the speakers.



09.03.2021

A webinar was organized by the Department of History of the college. The speaker Dr. Rachna Mehra, Assistant Professor, Ambedkar University, Delhi wonderfully delivered a lecture on the intricate topic of “Partition: a kaleidoscope of memory, fiction and reality”

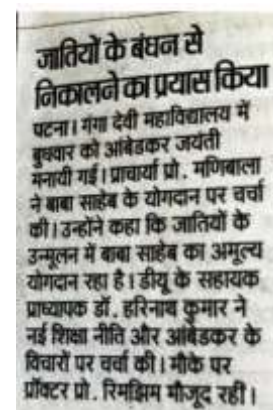
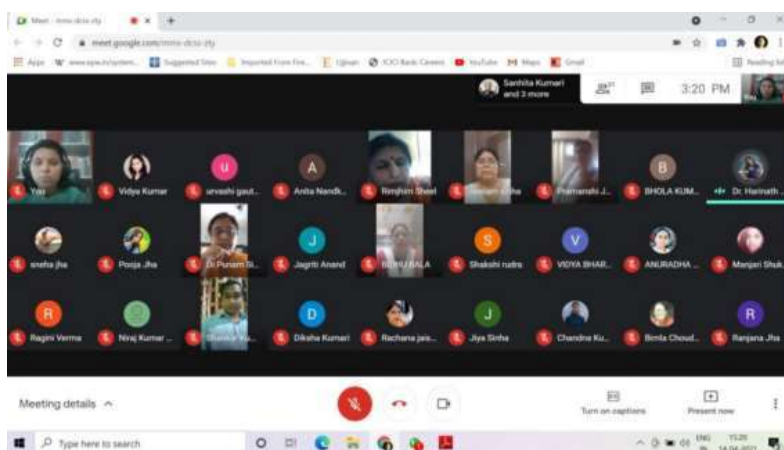


14.04.21

A webinar was organized by the college to celebrate "Dr. Bhimrao Ambedkar Jayanti". The Principal Prof Manibala commemorated his contribution towards the constitution and emphasized that he lives amongst us through his thoughts. Guest speaker Dr. Harinath Kumar, Asst. Prof., DU, delivered a lecture on "New Education Policy and Dr. Ambedkar's thought." The other guest speaker Dr. Shankar Kr Lal, Asst. Prof., BBAU, Lucknow, delivered a lecture on "Ambedkar and Social Justice"



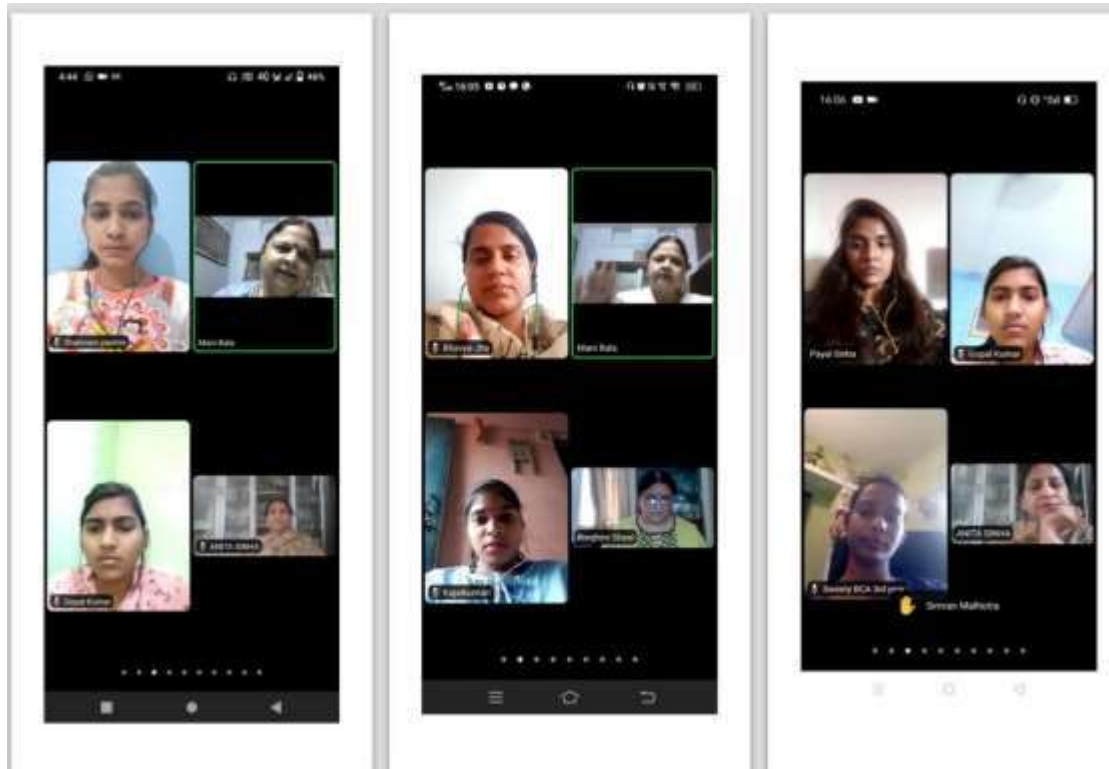
Paper- Aaj
Date -15.04.2021



Paper- Hindustan,
Date - 15.04.2021
Page - 12

21.04.2021

An online meeting was organized by the college to counsel the students through these tough times and to motivate them towards helping each other and those in need. The meeting was chaired by the principal.



22.04.2021

“Earth Day” was celebrated on the virtual platform. The Principal motivated the students to adopt a sustainable approach. A series of events followed which included painting, poster, presentation, poem and speech.



23.04.2021

“Veer Kunwar Singh Jayanti” was observed on the virtual platform. The Principal remembered Veer Kunwar Singh on this occasion and made every one aware of his valour and contribution towards the independence of the country. A series of events followed which included painting, poster, presentation, poem and speech.

