



Bajkul Milani Mahavidyalaya

(Govt. Sponsored)

Estd.- 1964

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Ref. No.:

Date :

All the concerned teachers are requested to follow the class routine and take the allotted theory class timely. The following supervisors are requested to supervise the allotted students for conducting and completing their project report within 1st week of December 2025 as per guidelines mentioned in VU Curriculum under NEP-2020. The Students also asked to contact their Supervisor as stated in the list of Supervisors.

VAC-01: ENVIS- Class Routine, 2025 (Only for Theory Class)

Course/ Programme	Subject/ Stream wise Students Allotment for Class	Room Number	Monday (1:00-2:00 P.M.)	Tuesday (3:00-4:00 P.M.)	Thursday (11:00-12:00 P.M.)	Friday (2:00.-3:00 P.M.)	Unit/ s
Single Major	Physics, Chemistry, Botany, Geography, Automobile Maintenance, Music.	126	Mr. S. Ban. (Geo)	Mr. S. Ban. (Geo)	Mr. S. K. Jana (Zoo.)	Mr. S. K. Jana (Zoo.)	All
	Mathematics Nutrition, Physiology, Zoology, Education, Sanskrit,	130	Miss. F. Pandit (Physio.)	Mr. M .Maiti (Physio.)	Miss. F. Pandit (Physio.)	Mr. M .Maiti (Physio.)	All
	Bengali, English, Philosophy, History, Pol. Science, Sociology, Economics.	318	Mrs. S.Das(Bot.)	Mrs. S.Das(Bot.)	Mr.S.Patra (Zoo.)	Mr.S.Patra (Zoo.)	All
Two Major Subjects	B.Sc. General (Life Sc, Physical Sc, Math. & Computer Science).	301	Mr.Biplab Manna (Chemist.)	Mr.R.D.Goswa mi. (NSS)	Mr.R.D.Goswa mi. (NSS)	Mr.Biplab Manna (Chemist.)	All
	B.A. General(Humanities and social Science) Humanities: PUM250009559 – PUM250019065, Social Sc.: PUM250000869 – PUM250018922 (Application Id follow)	323	Mrs.S.Kar (Geo.)	Mr.B.B.Josh (Geo)	Mrs.S.Kar (Geo.)	Mr.B.B.Josh (Geo)	All
	B.A.General (Humanities) PUM250000023 – PUM250009332 (Application Id follow)	319	Mr.G.K.Das (Geo.)	Mr.D .Das (Bot.)	Mr.D. Das (Bot.)	Mr.G.K.Das (Geo.)	All



Dr. Pijush Kanti Dandapath

Teacher-in-charge

Teacher-in-charge


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Sl.No.	Name of Supervisor	Department / Subject / First Letter of Name wise allotted Students
1.	Mr.Chandan Acharya (Botany)	Geography and Physics
2.	Mr.Habibullah Mallick(Zoology)	Botany and Automobile Maintenance
3.	Mr. Gerald Lepcha(Chemistry)	Mathematics and Nutrition
4.	Mr.Subir Pramanik (Botany)	Physiology & Zoology
5.	Mr. Rajib Deb Goswami (NSS)	Chemistry & Education
6.	Mr. Bapan Santra (Zoology)	English
7.	Mrs. Urmita Ch.Chowdhury (Zoology)	Bengali
8.	Mrs. Anjana Maity (Botany)	Music, Sanskrit, Philosophy & History
9.	Mr. Buddhadeb Debnath (Physiology)	Pol. Science & Sociology
10.	Dr. Baikuntha Behari Josh	B.Sc General (Physical Science, Math. & Computer Sc.)
11.	Mr. Goutam Kumar Das (Geography)	B.Sc. (General) Life Science
12.	Mrs. Susmita Maiti (Geography)	B.A.General (Humanities),Name starting from A to C.
13.	Mr. Debashis Manna(Geography)	B.A.General (Humanities),Name starting from D to M
14.	Mrs.Munmun Pradhan (Physiology)	B.A.General (Humanities),Name starting from N to R
15.	Mr. Sikha Kar (Geography) & Mr. Soumen Patra	B.A.General (Humanities),Name Starting With S
16.	Mr. Rajkumar Mahesh(Physics)	B.A.General (Humanities),Name starting from T to V
17.	Mrs. Kaberi Kandar (Nutrition)	B.A.General (Social Science),Name starting from A to G
18.	Mrs. Subhasree Sahu (Botany)	B.A.General (Social Science),Name starting from H to R
19.	Dr. Tapan Kr. Pal & Mr. Biplab Manna (Chemistry)	B.A.General (Social Science),Name starting from S to U




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Value Added Course (VAC)
Value Added Course (VAC) - 01

VAC-01: ENVS- Environmental Studies

Credits 04 (Full Marks-100)

Course contents:

Unit-I: Introduction to environmental studies

(2 lectures)

- Multidisciplinary nature of environmental studies;
- Scope and importance; Concept of sustainability and sustainable development.

Unit-II: Ecosystems

(6 lectures)

- What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem; b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit-III: Natural Resources: Renewable and Non-renewable Resources

(8 lectures)

- Land resources and land use change; Land degradation, soil erosion and desertification;
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Joint forest management.
- Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & interstate).
- Energy resources: Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

Unit-IV: Biodiversity and Conservation

(8 lectures)

- Levels of biological diversity: genetic, species and ecosystem diversity; Bio geographic zones of India; Biodiversity patterns and global biodiversity hot spots
- India as a mega-biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.
- Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

Unit-V: Environmental Pollution

(8 lectures)

- Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- Solid waste management: Control measures of urban and industrial waste.
- Pollution case studies.
- Noise pollution.

Unit-VI: Environmental Policies & Practices

(7 lectures)

- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act.
- International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.
- Environmental policy and gender issues

Unit-VII: Human Communities and the Environment

(6 lectures)

- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management: floods, earthquake, cyclones and landslides.
- Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.
- Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (e.g. CNG vehicles in Delhi)

Unit-VIII: Field work

(Equal to 5 lectures)

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- Visit to a local polluted site--Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems--pond, river, Delhi Ridge, etc.
- Disaster management.
- Coastal ecosystem



X. Chatterjee
03/09/2024
Teacher-in-charge
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