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Bajkul Milani Mahavidyalaya

[Govt. Sponsored]

Estd.- 1964

NAAC Re-accredited (3rd cycle) B+ (2.69)

P. O. : Kismat Bajkul • Dist. : Purba Medinipur • Pin Code No.- 721655

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Notice

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 November'2026 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: ENVS- Class Routine, 2026 - 2027 (Only for Theory Class)							
Course/ Programme	Subject/ Stream wise Students Allotment for Class	Room Number	Monday (1:00-2:00 P.M.)	Tuesday (2:00-3:00 P.M.)	Wednesday (12:00-1:00 P.M.)	Thursday (12:00-1:00 P.M.)	Unit/ s
Single Major Subject	Bengali, Education. History, Pol. Science, Music.	130	Mrs. S. Maiti. (Geography)	Mr. R. D. Goswami (NSS)	Mrs. S. Maiti (Geography)	Mr. R. D. Goswami (NSS)	All
	English, Philosophy, Sanskrit, Economics, Sociology.	302	Mr. B. Debnath (Physiology)	Mrs. M. Pradhan (Physiology)	Mrs. M. Pradhan (Physiology)	Mr. B. Debnath (Physiology)	All
	Automobile Maintenance, Botany, Chemistry, Physics, Physiology.	318	Dr. C. Acharya (Botany)	Mrs. S. Sahu. (Botany)	Dr. C. Acharya (Botany)	Mrs. S. Sahu. (Botany)	All
	Geography, Mathematics, Nutrition, Zoology.	319	Dr A. Ali (Mathematics)	Mr. B. Manna (Chemistry)	Mr. B. Manna. (Chemistry)	Dr A. Ali (Mathematics)	All
Two Major Subjects	B.A. General (Humanities and social Science)	323	Md. H. Mallick. (Zoology)	Dr. B.B.Josh (Geography)	Dr. B. B. Josh (Geography)	Md. H. Mallick (Zoology)	All
	B.Sc. General (Life Sc, Physical Sc, Math. & Computer Science).	126	Mr. S. K. Jana. (Physics)	Dr. I. Sk. (Physics)	Mr. S. K. Jana. (Physics)	Dr. I. Sk. (Physics)	All

Approved
20.07.2026



Principal
(Dr. Jayanta Kumar Dey)
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Dist.- Purba Medinipur

Sl.No.	Name of Supervisor	Department / Subject / First Letter of Name wise allotted Students
1.	Dr. Gerald Lepcha(Chemistry)	Automobile Maintenance, Botany(H), Physics(H)
2.	Mrs.Moumita Barik(Botany)	B.Sc.General(Life Sc.,Physical Sc.& Comp.Sc.)
3.	Mrs.Subhamita Das(Botany)	Math.(H) & Nutrition(H)
4.	Mr. Debsankar Das(Botany)	English.(H)
5.	Dr. Dipanjan Ray(Zoology)	Chemistry (H) & Physiology(H)
6.	Dr. Debashis Manna(Geography)	Bengali(H)
7.	Mr. Sandip Kumar Jana(Zoology)	B.A.(Humanities) Name starting from A to M
8.	Ms. Rudrani Jana (Mathematics)	B.A.(Humanities) Name starting from N to R and Social Science
9.	Mr. Suman Pahari (Geography)	B.A.(Humanities) Name starting from S to T
10.	Dr. B.B.Josh (Geography)	
11.	Mr. Rajkumar Mahes(Physics)	Philosophy(H),Sanskrit(H),Economics(H)
12.	Ms.Fuldona Pandit(Physiology)	Zoology(H), Sociology(H)
13.	Mr.Debabrata Paria(Physiology)	Geography(H),Music(H)
14.	Mrs.Sikha Kar(Geography)	Education(H),History(H), Pol. Science.(H)

Approved
10.07.2026



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COMMON COURSES FOR UNDERGRADUATE PROGRAMMES (UNDER CCFUP, 2023)

SEM	Course Type	Course Code	Course Title	Credit	L-T-P	Marks		
						CA	ESE	TOTAL
SEMESTER-I								
I	AEC	AEC01	Communicative English - I	2	2-0-0	10	40	50
	MDC	MDC-01 (Any one to be chosen)	Indian Constitution	3	3-0-0	10	40	50
			Social value and Ethics	3	3-0-0	10	40	50
			Sports and fitness	3	2-0-1	10	40	50
			Basics of information technology (IT)	3	3-0-0	10	40	50
			Basics of Accounting	3	3-0-0	10	40	50
			NGO & its Operations	3	3-0-0	10	40	50
	VAC	VAC01	Business Organization	3	3-0-0	10	40	50
			Environment Studies (ENVS)	4	2-0-2	50	50	100.
	SEMESTER-II							
II	AEC	AEC02	MIL - I (Bengali / Hindi/ Sanskrit/ Santali)	2	2-0-0	10	40	50
	MDC	MDC02 (Any one to be chosen)	Nation, Culture & India	3	3-0-0	10	40	50
			Gender Studies	3	3-0-0	10	40	50
			Community nutrition and Public health	3	3-0-0	10	40	50
			Physical and Cultural Geography of Bengal	3	3-0-0	10	40	50
			Natural Resource Management	3	3-0-0	10	40	50
			Digital Technologies	3	3-0-0	10	40	50
			Financial Literacy and Household Decision-Making	3	3-0-0	10	40	50
			Human Rights	4	4-0-0	10	40	50
	VAC	VAC02 (Any one to be chosen)	Yoga and Wellness	4	2-0-2	10	40	50
	Summer Intern.	CS	Disaster Management	4	4-0-0	10	40	50
			Community Service (activities to be decided by the Colleges)	4	0-0-4	-	-	50

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

Suggested Readings:

- i. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt.
- ii. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
- iii. Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.
- iv. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press.
- v. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
- vi. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339: 36--37.
- vii. McCully, P. 1996. *Rivers no more: the environmental effects of dams* (pp. 29--64). Zed Books.
- viii. McNeill, John R. 2000. Something New Under the Sun: An Environmental History of the Twentieth Century.
- ix. Odum, E.P., Odum, H.T. & Andrews, J. 1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
- x. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. *Environmental and Pollution Science*. Academic Press
- xi. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co.Pvt. Ltd.
- xii. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*. 8th edition. John Wiley & Sons.

VIDYASAGAR UNIVERSITY, PASCHIM MIDNAPORE, WEST BENGAL