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Bajkul Milani Mahavidyalaya

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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 class timely and the following supervisors are requested to supervise the allotted students for conducting and completing their project report within stipulated time of 1st semester 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-Routine, 2024 (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 A.M.- 3:00 P.M.)	Unit/s
Single Major	Sociology, Education, Music, Physics, Chemistry, Botany, Mathematics & Zoology	126	S. Kar. (Geo)	D.Manna. (Geo)	S. Kar. (Geo)	D.Manna. (Geo)	All
	Bengali, Sanskrit, History, Pol.Science, Philosophy & Physiology	130	S.Pramanik(Bot)	S.Maiti(Geo)	S.Pramanik(Bot)	S.Maiti(Geo)	All
	Geography, English, Economics, Automobile Maintenance, Nutrition	301	M.Jana. (Geo)	R.D.Goswami. (NSS)	M.Jana. (Geo)	R.D.Goswami. (NSS)	All
Two Major Subjects	B.Sc. (General)	318	B.Debnath(Physio.)	S.Bera. (Zoo.)	B.Debnath(Physio.)	S.Bera. (Zoo.)	All
	B.A. (General) Name starting from 'A' to 'R'	323	C.Acharya.(Bot.)	B.B.Josh(Geo)	C.Acharya.(Bot.)	B.B.Josh(Geo)	All
	B.A. (General) Name starting from 'S' to 'U'	319	B.Santra.(Zoo.)	S.Maity.(Math)	B.Santra.(Zoo.)	S.Maity.(Math)	All

Class Routine
VAC-01 (ENVs)

Dr. Pijush Kanti Dandapath

Teacher-in-charge

Teacher-in-charge
Bajkul Milani Mahavidyalaya
P.O.-Kismat Bajkul
Dist.- Purba Medinipur



List of Project Supervisor of Environment Studies(Value Added Course – 1): 2024

Sl.No.	Name of Supervisor	Department / Subject / First Letter of Name wise allotted Students
1.	Mrs.Pranati Manna(Geography),	Zoology and Education
2.	Mr.Sanjit Konra(Botany)	Mathematics and Economics
3.	Mr.Debsankar Das (Botany)	Chemistry, Physics and Music
4.	Mrs.. Urmita Ch. Chowdhury (Zoology)	Geography
5.	Mr. Rajkumar Mahesh(Physics)	Bengali
6.	Mr. Goutam Kumar Das (Geography)	Botany, Philosophy
7.	Mr. Jerold D Lepcha(Chemistry)	Automobile Maintenance, Nutrition,
8.	Mr.Habibulla Mallik(zoology)	English
9.	Mr. Manoj Maity (Physiology)	Sanskrit, History & B.A. Gen. Name starting from T to U.
10.	Mrs.Moumita Barik(Botany)	Pol.Science, Physiology& Sociology.
11.	Mrs. Taniya Roy(Geography)	B.A.Gen. Name starting with A.
12.	Mrs.Subhamita Das(Botany)	B.A.Gen. Name starting from B to I.
13.	Mr. Biman Ari (Chemistry)	B.A.Gen. Name starting from J to M.
14.	Miss. Nabanita Das(Zoology)	B.A.Gen. Name starting with N,O,P,Q,
15.	Mr. B.B.Josh (Geography), Mr.Susanta Ban(Geography)	B.A.Gen. Name starting with S.
16.	Mrs.Munmun Pradhan (Physiology)	B.A.Gen. Name starting with R & B.Sc. Gen. A.
17.	Mrs. Kaberi Kandar(Nutrition)	B.Sc.Gen. Name starting from B to P.
18.	Mrs. Anjana Maity (Botany)	B.Sc.Gen.Name starting from Q to U.

*List of Project Supervisors
Sub: VAC (ENVS) - 01*

Dr. Pijushkanti Dandapath
Teacher-in Charge

Teacher-in-charge
Bajkul Milani Mahavidyalaya
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All concerned teachers are requested to take class and project work of ENVS as stated above and the concerned students of 1st semester are asked to contact their respective teachers for the purpose of said class.

VAC-1 (Environment Studies) SYLLABUS DISTRIBUTION FOR 1ST SEMESTER, 2024-2025.

Units	Value Added Course (VAC)	FULL MARKS		
		Th. (50)	I.A. & C.A(20)	Project (30)
Unit-I: Introduction to environmental studies (2 lectures)	<ul style="list-style-type: none"> • Multidisciplinary nature of environmental studies; • Scope and importance; Concept of sustainability and sustainable development. 	THEORY-50 MARKS		
Unit-II: Ecosystems (6 lectures)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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, Bishnoi's 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)	<ul style="list-style-type: none"> • 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 	PROJECT-30 MARKS		

VAC-01 (ENVS)
 Syllabus



Dr. Pijush Kanti Dandapath
 Teacher-in-Charge

Teacher-in-charge
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