

It is hereby notified to all concerned that the VAC 1 (Environmental studies) classes for the academic year 2024-25 will take place in online mode as per the following schedule: -

Date	Time	Lecture by	Dept	Points to be highlighted
31/08/2024 Saturday	From 12.00 noon to 12.30 pm	Dr Arghya Ghosh	Botany	Unit 1: Introduction to environmental studies • Multidisciplinary nature of environmental studies; • Scope and importance; Concept of sustainability and sustainable development.
	From 12.30 pm to 1.00 pm	Dr. M.B. Arefin	Botany	Unit 2: Ecosystems • 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
07/09/2024 Saturday	From 12.00 noon to 12.30 pm	Dr Pradipta Ghosh	Chemistry	Unit 2: Ecosystems c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)
	From 12.30 pm to 1.00 pm	Dr Susovan Mandal	Chemistry	Unit 3: Natural Resources: Renewable and Non-renewable Resources • Land resources and land use change; Land degradation, soil erosion and desertification
14/09/2024 Saturday	From 12.00 noon to 12.30 pm	Sri Sanjib Kumar Das	Zoology	Unit 3: Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Joint forest management.
	From 12.30 pm to 1.00 pm	Dr Kaushik Sen	Zoology	Unit 3: Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state).
21/09/2024 Saturday	From 12.00 noon to 12.30 pm	Dr Tapas Kumar Adalder	Chemistry	Unit 3: Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies.
	From 12.30 pm to 1.00 pm	Sri Saurav Paul	Botany	Unit 4: Biodiversity and Conservation • Levels of biological diversity : genetic, species and ecosystem diversity; Bio-geographic zones of India; Biodiversity patterns

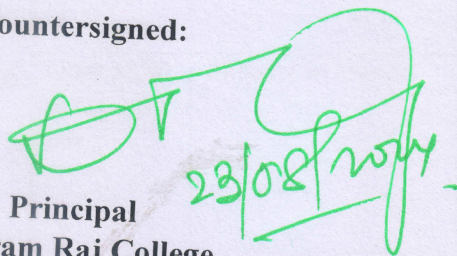
				and global biodiversity hot spots • India as a mega---biodiversity nation; Endangered and endemic species of India.
28/09/2024 Saturday	From 12.00 noon to 12.30 pm	Md. Shariful Islam	Zoology	Unit 4: Threats to biodiversity: Habitat loss, poaching of wildlife, man---wildlife conflicts, biological invasions; Conservation of biodiversity: In---situ and Ex---situ conservation of biodiversity. • Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.
	From 12.30 pm to 1.00 pm	Sri Sreejit Ghosh	Physiology	Unit 5: Environmental Pollution • Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution.
16/11/2024 Saturday	From 12.00 noon to 12.30 pm	Dr. Debnarayan Roy	Principal	Unit 5: • Nuclear hazards and human health risks. • Solid waste management: Control measures of urban and industrial waste..
	From 12.30 pm to 1.00 pm	Sanchayita Adikari	Chemistry	Unit 5: • Pollution case studies. • Noise pollution.
23/11/2024 Saturday	From 12.00 noon to 12.30 pm	Sri Sourav Barai	Zoology	Unit 6: Environmental Policies & Practices • Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture.
	From 12.30 pm to 1.00 pm	Dr. Tarun Mlstri	Chemistry	Unit 6: • 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).
30/11/2024 Saturday	From 12.00 noon to 12.30 pm	Dr. Naba Kumar Bera	Chemistry	Unit 6: Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context. • Environmental policy and gender issues.

	From 12.30 pm to 1.00 pm	Dr Prasanta Patra	Chemistry	Unit 7: Human Communities and the Environment <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.
07/12/2024 Saturday	From 12.00 noon to 12.30 pm	Dr Krishnendu Sinha	Zoology	Unit 7: <ul style="list-style-type: none"> • 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).

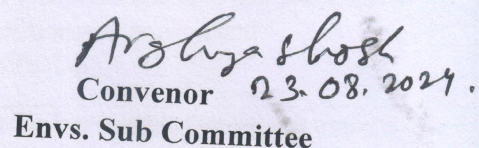
All the concerned teachers are requested to send the online link of the class and attendance report (collected through Google form) to the following email id: - jrcenvs@gmail.com after conducting the class.

(Note: - In case of announcement of any holiday coincides with any aforementioned date, the scheduled class on that date will move forward to the next available date and the subsequent classes will be adjusted accordingly up to period of academic activity as mentioned in respective academic calendar).

Countersigned:


23/08/2024

Principal
Jhargram Raj College
Principal
Jhargram Raj College


Convenor 23.08.2024.
Envs. Sub Committee

Copy to:

1. Coordinator- I.Q.A.C.
2. Secretary, T.C.
3. All the Concerned Faculty Members.
4. Convener, Website Sub-Committee
5. Guard File.