

JHARGRAM RAJ COLLEGE

Cir. No. 210

Date: 04.12.23

This is for the necessary information to all concerned that the classes of VAC 1, i.e., Environmental Studies, for all UG programs of the 1st Semester (under CCFUP), for the academic session 2023–24 will be held according to the following schedule:

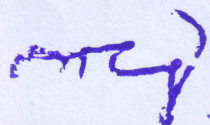
- ❖ Students must note that if the scheduled date comes on a during college holidays, then the respective class will be rescheduled during every Saturday after 30.03.2024.
- ❖ Students also note that if the exam starts before the completion of the scheduled classes, then the college will take the necessary action in this regard.
- ❖ All the concerned teachers are requested to keep a record of the attendance of students on a loose sheet.

Date	Class no	Room No. and Time	Lecture by	Dept.	Points to be highlighted
09/12/2023 Saturday	Class 2	Room No. – LH 07 From 11.00 am to 12.00 pm	Dr Krishnendu Sinha	Zoology	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
16/12/2023 Saturday	Class 3	Room No. – LH 07 From 11.00 am to 12.00 pm	Dr Debnarayan Roy	Principal	Unit 2: Ecosystems c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)
23/12/2023 Saturday	Class 4	Room No. – LH 07 From 11.00 am to 12.00 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
06/01/2024 Saturday	Class 5	Room No. – LH 07 From 11.00 am to 12.00 pm	Sri Sourav Barai	Zoology	Unit 3: Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Joint forest management.
13/01/2024 Saturday	Class 6	Room No. – LH 07 From 11.00 am to 12.00 pm	Sri Sanjib Kumar Das	Zoology	Unit 3: Water: Use and over---exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter---state).
20/01/2024 Saturday	Class 7	Room No. – LH 07 From 11.00 am to 12.00 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.

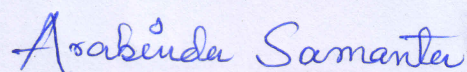
27/01/2024 Saturday	Class 8	Room No. – LH 07 From 11.00 am to 12.00 pm	Dr Kaushik Sen	Zoology	Unit 4: Biodiversity and Conservation • Levels of biological diversity : genetic, species and ecosystem diversity; Bio-geographic zones of India; Biodiversity patterns and global biodiversity hot spots • India as a mega---biodiversity nation; Endangered and endemic species of India.
03/02/2024 Saturday	Class 9	Room No. – LH 07 From 11.00 am to 12.00 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.
10/02/2024 Saturday	Class 10	Room No. – LH 07 From 11.00 am to 12.00 pm	Dr Arghya Ghosh	Botany	Unit 5: Environmental Pollution • Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution.
17/02/2024 Saturday	Class 11	Room No. – LH 07 From 11.00 am to 12.00 pm	Sri Sreejit Ghosh	Physiology	Unit 5: • Nuclear hazards and human health risks. • Solid waste management: Control measures of urban and industrial waste.
24/02/2024 Saturday	Class 12	Room No. – LH 07 From 11.00 am to 12.00 pm	Sri Saurav Paul	Botany	Unit 5: • Pollution case studies. • Noise pollution.
02/03/2024 Saturday	Class 13	Room No. – LH 07 From 11.00 am to 12.00 pm	Dr. Prasanta Patra	Chemistry	Unit 6: Environmental Policies & Practices • Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture.
09/03/2024 Saturday	Class 14	Room No. – LH 07 From 11.00 am to 12.00 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).

16/03/2024 Saturday	Class 15	Room No. – LH 07 From 11.00 am to 12.00 pm	Sri Arabinda Samanta	Botany	Unit 6: Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context. • Environmental policy and gender issues.
23/03/2024 Saturday	Class 16	Room No. – LH 07 From 11.00 am to 12.00 pm	Dr Nivedita Bhattacharyya	Physiology	Unit 7: Human Communities and the Environment • 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.
30/03/2024 Saturday	Class 17	Room No. – LH 07 From 11.00 am to 12.00 pm	Dr. Naba Kumar Bera	Chemistry	Unit 7: • 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).

Countersigned: -



Principal
Jhargram Raj College



Jt. Convenor
ENVS Sub-Committee

Copy to:

1. The Coordinator, IQAC
2. The Secretary, Teachers' Council
3. The Convenor, Routine Sub-Committee
4. The Convenor, Website Sub-Committee
5. All concerned Teachers
6. Guard file