**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION, 2020**

**SEMESTER: I**

**Time: 12.00 Noon**

**Full Marks: 20**

**Paper: CC-I**

1. Discuss different theories of earth origin [10]
2. Discuss rock formation [10]

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION, 2020**

**SEMESTER: I**

**Time: 12.00 Noon**

**Full Marks: 20**

**Paper: CC-II**

1. Discuss the rules of thermodynamics [10]
2. Discuss composition of atmosphere [10]

**Nabadwip Vidyasagar College**

**Department of Environmental Science**

**Internal Examination, 2020**

**SEMSTER I**

**COURSE: ABILITY ENHANCEMENT COMPULSORY COURSE (Code: UG-ENVS-H-AECC-01)**

**SUBJECT: ENVIRONMENTAL STUDIES**

**F.M: 10**

1. Write a short note ecosystem. Describe food chain and food web. (5+5)
2. বাস্তুতন্ত্রের উপর সংক্ষিপ্ত টীকা লেখ । খাদ্য শৃঙ্খল ও খাদ্য জালক বর্ণনা করো । (5+5)

**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION 2021**

**Semester II**

**Time: 12.00**

**Full Marks: 20**

**Paper: CC04**

1. Write causes and impacts of deforestation. 10
2. Write about causes and impact of habitat loss in biodiversity. 10

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION 2021**

**Semester II**

**Time: 12.00**

**Full Marks: 20**

**Paper: CC 03**

1. Write the causes of surface and ground water pollution. 10
2. Brief ecological significance of wetland. 10

**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Time: 12.00**

**Full Marks: 20**

**Paper: IV**

1. Define LD50 of environmental contaminants [1]
2. Discuss chemicals and biological factors influencing toxicity [10]
3. Give an account of fluorosis in Bengal [5]
4. What is bioassay method for toxicity determination [4]

**Nabadwip Vidyasagar College**

**Department of Environmental Science**

**Internal Examination, 2021**

**SEMSTER II**

**COURSE: ABILITY ENHANCEMENT COMPULSORY COURSE (Code: UG-ENVS-H-AECC-02)**

**SUBJECT: ENVIRONMENTAL STUDIES**

**F.M: 10**

1. Describe the causes and impact of water pollution. (5+5)

জল দূষণের কারণ ও ফলাফল বর্ণনা করুন. (5+5)

**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: V**

1. What is ISO 14000, describe it’s importance [5]
2. Discuss the detail EIA process for a proposed coal mine [10]
3. What is EMP [1]
4. Describe matrix of EIA documentation [4]

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: V**

1. Describe different types of satellite [5]
2. Discuss the application of GIS [10]
3. What is RADAR [1]
4. How RS/GIS help in natural resource conservation? [4]

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: V**

1. What is lentisol? [2]
2. Discuss the causes and consequences of soil pollution [8]
3. Define soil productivity. why it is important in environmental management [10]

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: VII**

1. Discuss NEP [10]
2. Write a note on Ramser convention [5]
3. Discuss about silent valley movement [5]

**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: VII**

1. Discuss Cost-effectiveness analysis [10]
2. Write a note on positive and negative externality [5]
3. Discuss the eco mark [5]

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: VII**

1. What is primary and secondary data, median, mode, [5]
2. What are the basic consideration in population sampling [5]
3. Discuss the Lotka-Volterra model for prey predator relationship [10]

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**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 15**

**Paper: VIII**

1. Name the causal organism of cholera [1]
2. Write a note on PCR [10]
3. What is RFLP [4]

**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: VIII**

1. Discuss how the changes of human life style affects environment [10]
2. Write a societal responsibility to manage any ecosystem [10]

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: VIII**

1. Write the basic theories of green technology [10]
2. Write a note on air pollution abatement technologies [10]

**NABADWIP VIDYASAGAR COLLEGE**

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**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 15**

**Paper: IX**

1. Distinguish between conventional and non-conventional energy [4]
2. Write aims and objectives of an energy Audit [10]
3. Define tidal energy [1]

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**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 15**

**Paper: IX**

1. Define gravimetry [2]
2. Write a note on gel electrophoresis technique [10]
3. What is radioactivity detection technique [3]

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**INTERNAL EXAMINATION**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: IX**

1. What is forest resource, classify resource [8]
2. Write a note on the role of tribal community in maintaining ecosystem function [10]
3. What are the characters of waste lands [2]

**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**SEM - V**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: CC- 11**

1. Write about structural forms and characteristics of rRNA, mRNA, tRNA; SnRNA, Si RNA, miRNA, hnRNA.
2. Describe different types and factors of bioremediation.

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**SEM - V**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: CC- 12**

1. Give a brief about Lamarck’s concept of evolution and Darwin’s Evolutionary theory.
2. Write about evolution of geographic patterns of diversity.

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**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**SEM - V**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: DSE1**

1. Brief about pesticide classification. Write about biological health effects of organochlorine pesticides.
2. Write about toxic effects of lead, cadmium, chromium, mercury, arsenic.

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**INTERNAL EXAMINATION**

**SEM - V**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: DSE2**

1. Write about Secondary and tertiary stapes of water treatment plant.
2. Discuss hazardous and non-hazardous waste and effect on air, water and soil.

**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**SEM - VI**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: 13**

1. Role of Ministry of Environment, Forests & Climate Change in environmental law and policy making.
2. Write about Ramsar convention, 1971 and Stockholm Conference 1972

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**INTERNAL EXAMINATION**

**SEM - VI**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: 14**

1. Write about town planning Acts and their environmental aspects.
2. Brief - Urban planning and its environmental aspects from historical and contemporary perspectives.

**NABADWIP VIDYASAGAR COLLEGE**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**INTERNAL EXAMINATION**

**SEM - VI**

**Date:**

**Time: 12.00**

**Full Marks: 20**

**Paper: 14**

1. Write about principle and applications of Titrimetric, gravimetric, potentiometric, nephelometry, turbidimetry.
2. Brief about techniques for measurement of noise level.