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Question Paper Code: 59173

B.E./B.Tech. DEGREE EXAMINATION, SEP 2020

Open Elective

Computer Science Engineering

15UCE973-ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

(Common to ECE, EEE ,EIE ,Mechanical ,IT ,Chemical , Biomedical and Agriculture brances)

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

- Which of the following pollution is alarming our national capital in recent times CO1- R
(a) Thermal Pollution (b) Water Pollution
(c) Air Pollution (d) Light Pollution
- Which organization monitors the pollution levels and standards in Universal level? CO1- R
(a) SPCB's (b) WHO (c) MoEF (d) WPA
- Primary data for baseline studies is collected by CO2- R
(a) Reports (b) Sampling and (c) References (d) None of the above analysis
- The mathematical model that suits the best fix equation is CO2- R
(a) empirical (b) dynamic (c) stochastic (d) homogenous
- Which of the following is not the physical parameter of water? CO2- R
(a) colour (b) temperature (c) hardness (d) all of the above
- Biosphere reserves are developed to take care of CO3- R
(a) noise pollution (b) flora and fauna (c) visual resources (d) power source
- The most effective process applied at early stage of project planning is CO3- R
(a) Impact minimization (b) impact avoidance
(c) impact compensation (d) none of the above

8. Who can be the members of Environmental Monitoring program? CO3- R
 (a) Public (b) Funding agencies
 (c) Government agencies (d) All of the above
9. The impacts that relates to population and its characteristics are CO4- R
 (a) Cultural impacts (b) Demographic impacts
 (c) Community impacts (d) All of the above
10. Which attribute comes under Potential behavior of Economic Valuation Process? CO4- R
 (a) Travel Cost (b) Market Value
 (c) Preventive cost (d) Shadow price

PART – B (3 x 8 = 24 Marks)

(Answer any Three of the following questions)

11. Write about terms of references with its necessary contents. CO1- U (8)
12. Explain the steps in mathematical modeling process CO2- U (8)
13. Briefly explain the advantages and disadvantages of impact identification methods CO2- U (8)
14. Explain the guidelines for preparation of EIA report CO3- U (8)
15. Discuss about Economic Valuation of Impacts with a simple valuation flowchart. CO4- U (8)