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Question Paper Code: 59173

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2019

Open Elective

Computer Science Engineering

15UCE973-ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

(Common to ECE,EEE,EIE,Mechanical,IT,Chemical)

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. The effects due to human activity on environment are CO1- R
 - (a) Natural effects
 - (b) Anthropogenic Effects
 - (c) Mitigative Effects
 - (d) None of the above
2. Which organization monitors the pollution levels and standards in Universal level? CO1- R
 - (a) SPCB's
 - (b) WHO
 - (c) MoEF
 - (d) WPA
3. Which presentation has a better structure framework? CO2- R
 - (a) Matrix
 - (b) Checklist
 - (c) Networks
 - (d) Adhoc
4. Modelling plays an important role in _____process CO2- R
 - (a) Matrix
 - (b) Checklist
 - (c) Networks
 - (d) All the above
5. Sound intensity is measured in CO3- R
 - (a) Watts
 - (b) Joules
 - (c) Power
 - (d) Decibels
6. Which of the following is not an effective Public participation process? CO3- R
 - (a) Survey poll
 - (b) Interaction
 - (c) One way lecturing
 - (d) Workshops
7. The impacts that relates to population and its characteristics are CO4- R
 - (a) Cultural impacts
 - (b) Demographic impacts
 - (c) Community impacts
 - (d) All the above

8. Maintenance stage is observed during CO4- R
 (a) Construction phase (b) Planning phase
 (c) Execution phase (d) None
9. Upstream area of a dam includes CO5- R
 (a) Catchment area (b) Canal area
 (c) Estuary area (d) None
10. Shifting of people from a place to another is CO5- R
 (a) Rehabilitation (b) Shifting (c) Mitigation (d) Resettlement

PART – B (5 x 2= 10 Marks)

11. What are the benefits of EIA? CO1- R
12. What are the advantages of Matrix approach? CO2- R
13. List out the different types of monitoring Programs? CO3- R
14. Mention the different techniques available for public participation. CO4- R
15. What is CHWMF? CO5- R

PART – C (5 x 16= 80 Marks)

16. (a) Explain in detail about impacts of development on environment. CO1 -App (16)
 Or
 (b) Write about terms of references with its necessary contents. CO1- App (16)
17. (a) Explain in detail about Network system and Overlays system. CO2- U (16)
 Or
 (b) How can we predict the impacts in biological system using conceptual models? CO2- U (16)
18. (a) Write the mitigation measures for reducing the impacts on water quality and Land disturbances. CO3- U (16)
 Or
 (b) Explain in detail about environmental audit process with its procedure. CO3- U (16)

19. (a) Explain in detail about Socio – Economic Impacts. Also list out the steps in SIA Process. CO4 -U (16)

Or

(b) Elaborately discuss about Economic Valuation of Impacts with a simple valuation flowchart. CO4- Ana (16)

20. (a) It is proposed to lay a National Highway to connect two state capitals. What will be the beneficial, detrimental, direct, indirect, short term, long term, single and cumulative impacts? (16)

List any four effects under each type of impacts and describe

Or

(b) What are the significant environmental issues to be considered while planning to develop a New Township CO5- U (16)

