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Question Paper Code: 59173

B.E./B.Tech. DEGREE EXAMINATION, NOV 2018

Open Elective

Computer Science Engineering

15UCE973-ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

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

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

PART A - (10 x 1 = 10 Marks)

- 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
- Which of the following method provides minimum guidance to impact assessment? CO2- R
(a) Network method (b) Function method
(c) Adhoc method (d) Matrix method
- Modelling plays an important role in process CO2- R
(a) Screening (b) Decision making (c) Abstracting (d) Scoping
- 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
- Sound intensity is measured in CO3- R
(a) Watts (b) Joules (c) Power (d) decibels

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. Which organization monitors the pollution levels and standards in Universal level? CO4- R
 (a) SPCB's (b) WHO
 (c) MoEF (d) WPA
9. Upstream area of a dam includes CO5- R
 (a) catchment area (b) canal area
 (c) estuary area (d) None
10. Environmental Impact Assessment is Mandatory under which one of the following India Legislations: CO5- R
 (a) Indian Forest Act
 (b) Air (Prevention and Control of Pollution Act)
 (c) Wild life Protection Act
 (d) Environmental (Protection) Act

PART – B (5 x 2= 10Marks)

11. What are the benefits of EIA? CO1- R
12. How to assess the impacts in water environment? CO2- R
13. Define Environmental Management Plan. CO3- R
14. Mention the different techniques available for public participation. CO4- R
15. What is CHWMF? CO5- R

PART – C (5 x 16= 80Marks)

16. (a) Write in detail about EIA process and explain them. CO1 -App (16)
 Or
 (b) Write about terms of references with its necessary contents. CO1- App (16)
17. (a) Explain in detail about the different techniques for assessing the environmental impacts CO2- App (16)
 Or
 (b) How can we predict the impacts in biological system using conceptual models? CO2 -Ana (16)

18. (a) Explain in detail about the different types of environmental monitoring program. CO3 -Ana (16)
- Or
- (b) Write the mitigation measures for reducing the impacts on water quality and Land disturbances. CO3- Ana (16)
19. (a) Explain in detail about Socio – Economic Impacts. Also list out the steps in SIA Process CO4 -U (16)
- Or
- (b) Explain in detail about the simple valuation method 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? List any four effects under each type of impacts and describe CO5- U (16)
- Or
- (b) (i) What are the significant environmental issues to be considered while planning to develop a New Township CO5- U (8)
- (ii) Compare potential Environmental impacts of different alternatives for Energy generation. CO5- U (8)

