

20P317

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Name: .....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021**

(CBCSS-PG)

(Regular/Supplementary/Improvement)

**CC19P ESW3 C13 – ENVIRONMENTAL ASSESSMENT TOOLS AND  
MONITORING METHODS**

(Environmental Science)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* of the following.

1. What is the rationale behind EIA?
2. What is the need of baseline data collection in EIA and how is it collected?
3. Enumerate the steps of Risk Assessment.
4. Briefly explain the screening process in EIA.
5. What is Strategic Impact Assessments.
6. Differentiate between one dimensional and two dimensional diagrams. Give one example for both type of diagrams.
7. What is a scatter diagram? Write down its uses.

**(4 × 2 = 8 Weightage)**

II. Answer any *four* of the following.

8. Give a detailed account on EIA Notification 2009.
9. Describe the reason of qualitative and quantitative depletion of resources.
10. Briefly explain Environmental Clearance process in India
11. What is the importance of public participation in EIA?
12. Calculate the mode from the following data

Class	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	13	21	35	31	19	12

13. If the height of students follows a normal distribution with mean 160 cms and standard deviation 10 cms, what is the probability that the height of a randomly selected student is above 166 cms.
14. Calculate the rank correlation coefficient from the following data

Student Id	1	2	3	4	5	6	7	8	9
Score given by Judge 1	73	69	38	46	68	55	88	91	70
Score given by Judge 2	58	49	45	39	78	81	91	88	67

**(4 × 3 = 12 Weightage)**

III. Answer any *two* of the following.

15. Describe different methods/steps for assessing the environmental impacts of developmental activities.
16. Give a detailed account National Policy on EIA and Regulatory Framework
17. Find the median of the following data graphically.

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	12	28	32	40	33	25	15

18. There are three candidates for the post of Principal of a college. The chances that they will get the appointment are respectively 35% for A, 40% for B and 25% for C. If A is appointed as the Principal, he will introduce a new PG course on Sustainable Development with probability 0.15. The corresponding probability for B and C are respectively 0.25 and 0.35.

If the new course is introduced after the appointment of Principal, find the probability that B is appointed as the Principal.

**(2 × 5 = 10 Weightage)**

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