Code No: 138CF **R16**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, December - 2020
GEOENVIRONMENTAL ENGINEERING
(Civil Engineering)

Time: 2 hours **Max. Marks: 75**

Answer any Five Questions
All Questions Carry Equal Marks
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1. What are the sources of contaminations? Discuss any two of them. [15]

2. What is the need of characterization of contaminated site? Discuss in detail. [15]

3. List the various types of waste. Discuss the sources of biomedical waste and write how biomedical waste is recycled. [15]

4. What are the sources of solid waste? Discuss in detail how solid waste is managed. [15]

5. What is sorption isotherm? Explain Langmuir sorption isotherm and its limitations. [15]

6. Discuss the principles of bioremediation and phytoremediation techniques and write their relative merits and limitations. [15]

7. Explain with suitable illustrations the analysis of soil-water characteristic curves and their significance for the flow and transport of pollutants in the vadose zone. [15]

8. What is the importance of landfills? Discuss the considerations in the site selection for landfills. [15]

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JNTUH USED PAPERS