
Answer All the Following Questions

Question 1: **[20 Marks]**

- a) Mention to Water quality sampling frequency [5 Marks]
- b) Compare between planned, fugitive and accidental emissions to the environment [6Marks]
- c) Classify the water monitoring network types [9 Marks]

Question 2: **[20 Marks]**

- a) Illustrate with drawing absorption devices used for sampling pollutants from the atmosphere. [6 Marks]
- b) What is meant by occupational hazards? Give examples [6 Marks]
- c) Classify diseases depending on their sources. [8Marks]

Question 3: **[20 Marks]**

- a) Illustrate with drawing the chemiluminescence detector for NO_x [10 Marks]
- b) Complete the following sentences: [10 Marks]
- i. Instrumental methods of Air pollution monitoring include -----, ---- and -----.
- ii. The methods used for the measurement of PM₁₀ are -----, ---- and -----.
- iii. Three ecological factors are responsible for a disease: -----, ---- and -----.
- iv. ----- is the phenomenon by which gases, liquids, and solutes within liquids are attracted, concentrated, and retained at a boundary surface.

و بالله التوفيق

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