

## B.Sc. F &amp; S Semester-6 Examination

CC

Health, Safety and Environment

Time : 2-30 Hours]

April-2023

[Max. Marks : 70

**Question-1 Write the following:**

- (i) Why is planning important for health and safety system? Describe various attributes which are to be considered during implementation of health and safety system. 7
- (ii) Describe important factors which can influence health and safety management system. 7

OR

- (i) What is health and safety policy? Describe aim and objective of health and safety policy. 7
- (ii) How do we make our health and safety policy more effective. Describe four "Cs" of positive health and safety culture? 7

**Question-2 Write the following:**

- (i) Define ergonomics. Describe various categories of ergonomics. What are the correct posture when we work on computer? 7
- (ii) What is the meaning of safety psychology? Describe the need and aim of safety psychology. 7

OR

- (i) Define philosophy of safety. Describe the need and nature of safety philosophy? 7
- (ii) What is safety at work? Describe important factors which can affect safety at work? 7

**Question-3 Write the following:**

- (iii) Define Environment with an suitable example. Describe important elements of environment. 7
- (iv) What is global average surface temperature? How it will be affected? Describe ozone depletion substances and their effect on environment. 7

OR

- (iii) Describe acute health effect of high concentration of carbon dioxide present in environment. 7
- (iv) What are Biological Oxygen Demand and Chemical Oxygen Demand? Describe their interpretation. 7

**Question-4 Write the following:**

- (i) What is environmental audit? Explain briefly the types of environmental audit. Why is environmental audit needed? 7
- (ii) How scope and objectives of environmental audit is set? Explain in brief. 7

OR

- (i) How are solid wastes classified? Explain impact of solid wastes on environment. What should be the role of citizen in solid waste management? 7
- (ii) What are Biological Oxygen Demand and Chemical Oxygen Demand? Describe their interpretation.

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**Question-5 Attempt any seven out of twelve.**

14

1. .... create not only personal grief and distress but also huge financial costs and unwelcome negative publicity for the organization and industries concerned.
  - a. Incompetent staff
  - b. Poor safety and health system
  - c. Poor safety at work
  - d. Industrial accidents
2. "Assess the skill needed to carryout all tasks safely" is part of:
  - a. Competence
  - b. Control
  - c. Co-operation
  - d. Communication
3. Health and Safety ..... is the ways in which Health and Safety is managed in the workplace, and often reflects "the attitudes, thinking, perceptions, and values that employees share in relation to Health and Safety".
  - a. Plan
  - b. System
  - c. Management
  - d. Culture
4. .... means defect or disappointment towards success.
  - a. Negative attitude
  - b. Frustration
  - c. Poor morale
  - d. Demotivation
5. Recognizing ergonomic risk factors in the workplace is an essential last step in correcting hazards and improving workers protection. [True / False]
6. .... is an essential part of a good safety culture and often the most difficult hurdle to overcome in establishing a safety culture.
  - a. Trust
  - b. Behavior
  - c. Morale
  - d. Attitude
7. Example of 120 dB noise is:
  - a. Chain Saw
  - b. Hair dryers
  - c. Jack Hammers
  - d. Gunshot Fire works
8. Thermal pollution can reduce .....
  - a. Biological diversity
  - b. Soil fertility
  - c. Growth rate of crop
  - d. 80 Db

9. Firefighting foams have many properties that are regulated by environmental laws, include:
- a. Foaming
  - b. Toxicity,
  - c. Oxygen demand
  - d. Biodegradability
  - e. All the above
10. Conducting field audit is the ..... stage of audit procedure.
- a. 1<sup>st</sup>
  - b. 2<sup>nd</sup>
  - c. 3<sup>rd</sup>
  - d. 4<sup>th</sup>
11. Full form of SAARC .....
12. Hazardous waste are:
- a. Refuse
  - b. Garbage
  - c. Sludge
  - d. Municipal Waste
  - e. None of the above