P. P. SAVANI UNIVERSITY

Sixth Semester of B.Sc. fire and safety Examination January -2023

SSFS3150–Disaster management

12.1.2023, Thursday   Time: 09:00 a.m. to 11:30 a.m.   Maximum Marks: 60

Instructions:
1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

Section-I (Total Marks - 30)

Q.1	**Short Questions**	[10]
1.1	**Objectives(10MCQ Compulsory-0.5 mark each)**	[05]

1.1a   Its argued that development program enhanced disaster risk to counter:
- A   Reduce development related activities
- B   Disaster risk reduction strategies
- C   Both
- D   None of this

1.1b   NDRF stands for
- A   National disaster rescue force
- B   National disaster response force
- C   Both
- D   None of this

1.1c   NDRF work under
- A   Finance ministry
- B   Home ministry
- C   Central ministry
- D   Defense ministry

1.1d   TLV stands for
- A   Threshold limit value
- B   Threshold loss value
- C   Threshold late value
- D   None of the above

1.1e   PEL stands for
- A   Permissible exposure limit
- B   Permissible exert limit
- C   Permissible exponent limit
- D   Permissible expert limit

1.1f   STEL stands for

A   Short term exposure limit
B   Sheet term exposure limit
C   Slow term exposure limit
D   None of this

1.1g   Under OHS act employer are responsible for providing a_____
A   Safe work place
B   land
C   insurance
D   atmosphere

1.1h   OSHA is created to_____
A   Data analysis
B   To reduce hazard
C   Ecological development
D   EIA analysis

1.1i   OSHA assignment is to set standards and conduct
A   inspection
B   test
C   analysis
D   estimation

1.1j   Hazard communication is_____
A   Chemical analysis
B   Toxic exposure
C   Strength analysis
D   Hazard evaluation

1.2   **Answer the Following: (Definition-1 mark each)**   [05]
1.2a   Disaster
1.2b   Emergency
1.2c   Emergency plan(EP)
1.2d   Onsite EP
1.2e   Offsite EP

Q.2   **Short Notes (Attempt any two-3 mark each)**   [06]
A   Explain disaster.
B   Write down the global view of disaster.
C   Write down Types or typology of disaster.

Q.3   **Explain in detail (Attempt any two-7 mark each)**   [14]
A   Explain types or typology of disaster.
B   Explain relief measure of disaster.
C   Explain disaster mapping and disaster mitigation.

Q.1   Short Questions   [10]
1.1   Objectives(10MCQ Compulsory-0.5 mark each)   [05]
1.1a   MAH control stands for
       A   Major accident hazards control
       B   Minor accident hazards control
       C   Massive accident hazards control
       D   None of this

1.1b   Which is not the following Five Fs in maintaining sanitary hygiene?
       A   Finger
       B   Fluid
       C   flies
       D   Food

1.1c   _____is present in primary sludge
       A   Solid waste
       B   Floating material
       C   Organic substance
       D   All of the above

1.1d   Best method of disposal of hospital waste is_____
       A   Sanitary land filling
       B   incineration
       C   dumping
       D   Alcohol purification

1.1e   Industrial Sanitation is_____
       A   Designed to protect health and safety of the workers
       B   Designed to protect the natural environment from industrial waste
           and pollution
       C   both
       D   None of this

1.1f   Sanitation include_____
       A   Safe practice for sanitation regulation
       B   Observation of air pollution
       C   Both
       D   None of this

1.1g   Define asbestosis?
    A   Inhaling of asbestos dust
    B   Inhaling of iron dust
    C   Both
    D   None of this

1.1h   Black lung disease is____
    A   Inhaling of coal dust
    B   Inhaling of silica dust
    C   both
    D   None of this

1.1i   When an lung tissue becomes damaged are called____
    A   Lung fibrosis
    B   Brain dead
    C   paralysis
    D   None of the above

1.1j   What cause lung fibrosis?
    A   Wood and metal dust
    B   Liquid vapor
    C   Both
    D   None of the above

1.2   **Answer the Following: (Definition-1 mark each)**   **[05]**
1.2a Disaster mapping
1.2b Disaster mitigation
1.2c Evacuation
1.2d Rehabilitation
1.2e Hygiene

Q.2   **Short Notes (Attempt any two-3 mark each)**   **[06]**
A   Explain disaster preparedness plan.
B   Explain hygiene and sanitation.
C   Explain human behavior and response in disaster.

Q.3   **Explain in detail (Attempt any two-7 mark each)**   **[14]**
A   Explain predictability forecast warning.
B   Explain rehabilitation.
C   Explain rehabilitation as a social and economic aspect.