

CP-8501

Sub. Code

11

**P.G. DIPLOMA IN OCCUPATIONAL HEALTH AND
SAFETY MANAGEMENT EXAMINATION,
NOVEMBER 2017**

ORGANIZATIONAL BEHAVIOUR

(Upto 2015 Batch)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. What is Organizational Citizenship behavior?
2. Define Attitude.
3. Write the similarities and differences between emotions and moods.
4. Define Group.
5. Write about Authentic leadership.

Part B

(5 × 12 = 60)

Answer **all** questions.

6. (a) Write a short note on Contributing disciplines to Organizational behavior field.

Or

- (b) Briefly discuss about developing an OB model.

7. (a) Write short note on :
- (i) Measuring employee attitudes
 - (ii) Measuring Job satisfaction.

Or

- (b) Explain Attribution theory in detail.
8. (a) Discuss about Emotional intelligence.

Or

- (b) Explain briefly about the theories of Motivation.
9. (a) Write short notes on team effectiveness model.

Or

- (b) Explain about types of teams.
10. (a) Briefly discuss about the Bases of Power.

Or

- (b) Explain Politics in detail.
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**P.G. DIPLOMA EXAMINATION,
NOVEMBER 2017**

Occupational Health and Safety Management

PRINCIPLES OF SAFETY MANAGEMENT

(Upto 2015 batch)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. Write short notes on incident recall technique.
2. What are the benefits of safety audit?
3. Explain the role of safety committee in accident prevention.
4. Explain the term safe "T" score.
5. How does a safety pledge help in preventing accidents?

Part B

(5 × 12 = 60)

Answer **all** questions.

6. (a) List and explain the criteria for evaluation of performance of safety supervisors.

Or

- (b) Explain with examples the relationship between safety sampling and safety survey.

7. (a) Discuss in detail the methodology of safety audit.

Or

(b) As a safety officer how do you implement the audit indications?

8. (a) Explain about dominos sequence.

Or

(b) How will you identify the root cause of an accident (RCA) through fault tree analysis (FTA)?

9. (a) List and explain the types of disabilities arising due to accidents.

Or

(b) What is the significance of FSI? Discuss in detail the merits and demerits of safety performance indicators.

10. (a) How do you identify the training need? Develop a programme to celebrate 'safety week'?

Or

(b) Explain about domestic safety and training.

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**P.G. DIPLOMA IN OCCUPATIONAL, HEALTH AND
SAFETY MANAGEMENT EXAMINATION,
NOVEMBER 2017**

INDUSTRIAL SAFETY MANAGEMENT

(Upto 2015 batch)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. Define propellants.
2. What are the benefits of good guarding system?
3. What is gas welding?
4. Define electroplating.
5. List the benefits of certification.

Part B

(5 × 12 = 60)

Answer **all** questions.

6. (a) Write in detail about the facilities to be provided for electricity and location for waste treatment and disposal.

Or

- (b) Explain about the safe layout of nuclear power stations and refineries.

7. (a) Explain the sequence of drilling, boring, milling, grinding, shaping and sawing.

Or

- (b) (i) What are the benefits of good guarding systems?
(ii) Explain about coupling and shaft.

8. (a) Discuss about the resistances welding, arc welding and cutting.

Or

- (b) Explain about the safety in generation, distribution and handling of industrial gases.

9. (a) Explain in detail about the heat treatment operations in sand and shot blasting.

Or

- (b) Explain about the air leak test and steam testing.

10. (a) List the features and structure of OHSAS.

Or

- (b) Discuss about the development of action plan.

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**P.G. DIPLOMA IN OCCUPATIONAL HEALTH AND
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NOVEMBER 2017**

**OCCUPATIONAL HEALTH AND SAFETY
MANAGEMENT**

(Upto 2015 batch)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. Explain Hypothermia.
2. What is personal sampling?
3. List the disorders of the neck and back injuries.
4. Write short notes on CTS.
5. Write short note on the following :
 - (a) Fatigue
 - (b) Personal hygiene.

Part B

(5 × 12 = 60)

Answer **all** questions.

6. (a) Explain properties of sound and the damages caused by noise.

Or

- (b) Explain about microwaves, radio waves, lasers.

7. (a) Explain how an industrial hygiene is calculated and make a comparison with OHSAS standard.

Or

- (b) Explain about PPE for chemical hazards and write about chemical storage.

8. (a) Explain about Biological safety cabinet and autoclave.

Or

- (b) Explain about WRULD and MSD due to ergonomic hazards.

9. (a) What are the functional units and activities of occupational health service? Explain them.

Or

- (b) Write short notes on :
- (i) Aerobic and anaerobic work.
 - (ii) Employee health program.

10. (a) Explain about occupation work capacity.

Or

- (b) Explain :
- (i) Viral agents
 - (ii) Personal hygiene
 - (iii) Stress and Strain
 - (iv) Shift work.

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P.G. DIPLOMA EXAMINATION, NOVEMBER 2017

Occupational, Health and Safety Management

FIRE PREVENTION AND CONTROL

(Upto 2015 batch)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. Define theory of explosion.
2. Define fire triangle.
3. Write the specification of Indian gas cylinders.
4. What is meant by structural fire protection?
5. Write the safety measures to be done in height rise buildings.

Part B

(5 × 12 = 60)

Answer **all** questions.

6. (a) Write about the five properties of solid, liquid and gases.

Or

- (b) Explain the Shock waves and pool fires.

7. (a) Describe about the hydrant pipes and hoses.

Or

(b) What are the sources of ignition? Explain the principles of fire extinguishing.

8. (a) Explain about the sprinkler system and fire suppression system.

Or

(b) Write short notes on :

(i) Portable extinguishers

(ii) Tank farms.

9. (a) Describe fire resistant material and fire testing methods.

Or

(b) Explain Fire certificates.

10. (a) What are the explosion parameters to be followed? Differentiate detonation and blast waves.

Or

(b) Explain about the Static and Mobile Pressure Vessel (SMPV) rules.

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P.G. DIPLOMA EXAMINATION, NOVEMBER 2017

Occupational Health and Safety Management

ENVIRONMENTAL SAFETY

(Upto 2015 Batch)

Time : 3 Hours

Maximum : 75 Marks

Part A

(5 × 3 = 15)

Answer **all** questions.

1. Define CFC. What are the effects of it in the environment?
2. List the importance of waste water treatment.
3. How will you choose the chart for the hazardous waste management?
4. Write the structure of gravitational settling chambers.
5. Define gas chromatograph and explain the functions of it.

Part B

(5 × 12 = 60)

Answer **all** questions.

6. (a) Describe the concepts used in clean and coal combustion technology.

Or

- (b) How the ultra violet radiation and infra red radiation affects the environment?

7. (a) Explain the methods used for sampling and analysis of water for the treatment.

Or

- (b) List out the effluent quality standards and laws for water pollution.

8. (a) How will you identify, characterize and classify the hazardous waste in India?

Or

- (b) Describe the following terms :

- (i) Incineration
- (ii) Virtification.

9. (a) Write about the structure and working procedure of gas analyser and particle size analyser.

Or

- (b) Explain the different procedures used to control the gaseous emissions.

10. (a) Briefly explain the procedure used to control the pollution in petroleum industries.

Or

- (b) What are the types of eco friendly energy? How is it generated? What are the uses of it?