

C-1555

Sub. Code

30711

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Environment and Industrial Safety

ORGANIZATIONAL BEHAVIOUR AND MANAGEMENT

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define : Behavior.
2. Give the Scope of Organizational Behavior.
3. What are the factors affecting Personality?
4. What is Values?
5. Define Motivation.
6. What is Attitude?
7. What is Group Dynamics?
8. Define Team Building.
9. Write About Power Centers.
10. Give the Importance of Leadership.

Part B**(5 × 5 = 25)**Answer **all** questions.

11. (a) Write about the Framework of OB.

Or

(b) Explain the Importance of OB.

12. (a) Explain about the Types of Misbehaviour.

Or

(b) Explain: Personality Theories.

13. (a) Explain in details about Interpersonal Relationship in Groups.

Or

(b) Write about barriers of good communication.

14. (a) Differentiate Leaders Vs Managers.

Or

(b) Write about the Power and Politics.

15. (a) Explain about the organizational Effectiveness

Or

(b) Write about Work Stressor.

Part C**(3 × 10 = 30)**Answer **all** questions.

16. (a) Explain the Characteristics of Good Leader.

Or

(b) Explain : Organizational Behaviour Modification.

17. (a) Explain about the Theories of Learning.

Or

(b) Explain: Perception.

18. (a) Explain Motivation and its Types.

Or

(b) Discuss in details about theories of Emotional Intelligence.

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Sub. Code

30712

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Environment and Industrial Safety

PRINCIPLES OF SAFETY MANAGEMENT

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define safety policy.
2. What is safety inspection?
3. What are the types of audit?
4. State unsafe act.
5. What is meant by accident?
6. Sketch domino sequence.
7. Define frequency rate.
8. What is permanent total disabilities?
9. Write about the importance of safety training.
10. List out training methods.

Part B**(5 × 5 = 25)**Answer **all** questions.

11. (a) Write short note on safety inspection.

Or

- (b) Write short note on
(i) JSA
(ii) Safety sampling

12. (a) What is meant by audit? Explain in detail about types of audit?

Or

- (b) Distinguish between conformity and non – conformity reporting.

13. (a) Write short note on reportable on

- (i) Reportable accidents
(ii) Non-reportable accident

Or

- (b) Write down the roles of safety committee.

14. (a) Write short note on safety performance and monitoring.

Or

- (b) What are the procedure for reporting statutory authorities?

15. (a) Write about safety displays.

Or

- (b) Write short notes on safety pledge.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write a short notes on
- (i) Roles of safety supervision
 - (ii) Safety performance.

Or

- (b) Explain in detail about the components of safety audit.
17. (a) Explain detail about accident investigation reporting.

Or

- (b) Write a short notes on
- (i) Permanent total disabilities
 - (ii) Permanent partial disabilities
18. (a) Elaborate in detail about
- (i) Accident rate and incident rate
 - (ii) Frequency rate

Or

- (b) Discuss in detail about the role of Government and private Agencies in safety training.

C-1557

Sub. Code

30713

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Environment and Industrial Safety

**FIRE SAFETY - DESIGN, INSTALLATION AND
MAINTENANCE**

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define flash point.
2. Expand BLEVE.
3. What is meant by hazard?
4. List any two inspection procedure for fire extinguishers.
5. Give any two merits of detectors.
6. Define detection zone.
7. What is fire pump?
8. What is meant by risers?
9. Define Occupant Load.
10. What is Fire load?

Part B**(5 × 5 = 25)**Answer **all** questions.

11. (a) List any five physical properties of fire.

Or

- (b) What is fire triangle? Explain about fire tetrahedron.

12. (a) Discuss in detail about inspection procedure needed for fire extinguisher.

Or

- (b) List about the maintenance checklist for fire extinguisher.

13. (a) Write short notes on heat sensing cables.

Or

- (b) Discuss about maintenance procedure for overlapping fire zone.

14. (a) Explain about IR flame detector.

Or

- (b) Explain maintenance procedure for fire hydrant.

15. (a) Describe maintenance procedure for static water tanks.

Or

- (b) Explain in detail about overlapping fire zones.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about classification of fires? and its extinguishers method?

Or

- (b) Illustrate in detail about fire control measures in small scale industries with suitable case studies.
17. (a) Explain in detail about the inspection of fire extinguishers.

Or

- (b) Explain in detail about UV flame detector.
18. (a) Explain in detail about processes involved in installation of fire fighting equipment and its requirement.

Or

- (b) Outline in detail about the maintenance requirement need to be taken for water supply.
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Sub. Code

30714

M.B.A. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

Environment and Industrial Safety

ELECTRICAL AND CHEMICAL SAFETY

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Ohm's Law?
2. What is CPR?
3. What are the types of burns?
4. Define Static electricity?
5. Mention the safe distance from Over head lines?
6. What is GFCI?
7. Illustrate: LOTO
8. What are the objectives of IER?
9. What is intrinsically safer design?
10. Mention the use of barriers?

Part B**(5 × 5 = 25)**Answer **all** questions.

11. (a) List the main reasons for Overload current?
Or
(b) Explain the procedure of CPR?
12. (a) What are the primary and secondary hazards?
Or
(b) Mention the causes of electrical fire?
13. (a) What is the function of Circuit breakers?
Or
(b) Explain in detail about ELCB?
14. (a) Explain the procedure of PTW system?
Or
(b) Explain in detail about preventive maintenance of electrical equipment?
15. (a) Explain the different classification of hazardous zones?
Or
(b) How do you certify the electrical equipment?

Part C**(3 × 10 = 30)**Answer **all** questions.

16. (a) Explain the salient features of Indian electricity Rules?
Or
(b) What is Static electricity: How do you prevent SE in industries?

17. (a) Explain with neat sketch about Earth fault protection systems?

Or

(b) Explain PPE: and types of PPE'S?

18. (a) Elaborate the importance of LOTO in confine space area?

Or

(b) Explain in detail about Different classification of hazardous Zones?

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30615A/ 30715A

P.G. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

**OCCUPATIONAL HEALTH AND SAFETY
MANAGEMENT**

[Common for M.B.A.(E and IS)/M.Sc.(ISH)]

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Noise.
2. Write the Noise Control Methods.
3. Classification of Bio-Hazards.
4. Expand TVL and TWA.
5. What is Personal Hygiene?
6. What is Musculoskeletal Disorder?
7. What are the activities of OHSA?
8. How to control the occupational diseases?
9. Explain Acute and Chronic.
10. Write about dust Sample Collection Devices.

Part B**(5 × 5 = 25)**Answer **all** questions.

11. (a) Explain the properties of Sound.

Or

- (b) Write short notes on

(i) Acclimatization

(ii) Heat stress induces.

12. (a) Write short notes on

(i) Vapor monitor

(ii) Gas monitor.

Or

- (b) Explain in briefly industrial hygiene calculation.

13. (a) Explain CTS.

Or

- (b) Discuss about Bio-Hazards.

14. (a) Explain the Occupational Health Services.

Or

- (b) Write short notes on effect on Lead-Nickel.

15. (a) Explain in briefly about Shift Work.

Or

- (b) Discuss the demerits of physiological problem in working area.

Part C**(3 × 10 = 30)**Answer **all** questions.

16. (a) Explain in detail about effect of noise.

Or

(b) Explain OSHA standard.

17. (a) Explain in detail about chemical hazard.

Or

(b) Discuss the effect if BIO-hazard in working area.

18. (a) Explain in detail about the CPR.

Or

(b) Explain in detail about personal hygiene.

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30615B/ 30715B

P.G. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

SAFETY IN MINING INDUSTRY

(Common for M.B.A. (E & IS)/M.Sc. (ISH))

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Dust.
2. List out the types of Drilling Machine.
3. Define Gas.
4. List out the Occupational Hazard.
5. Define Tunneling.
6. What is trapping?
7. Write the concept of risk.
8. Expand HIRA.
9. Write about Accident.
10. Write the Classification of Accident.

Part B**(5 × 5 = 25)**Answer **all** questions

11. (a) Write short notes on Safe Transportation of Explosives.

Or

- (b) Write short notes on Electrical System AND Fire Prevention.

12. (a) Write in briefly about Gases, Fire and Explosives.

Or

- (b) Write short on Gas Detectors and Transportation.

13. (a) Discuss about Ventilation and Lighting.

Or

- (b) Briefly explain pollution due to Gases and Dusts.

14. (a) Write short notes on Electrical Hazard in Tunneling.

Or

- (b) Discuss about Control Chart, Appraisal of Advance Techniques.

15. (a) Explain in briefly about Classification of Accident And Analysis.

Or

- (b) Explain in briefly about preventive measure for improving safety in mines.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the causes of accident from Heavy Machinery, Belt and Bucket Conveyors, Drilling and Pneumatic System.

Or

- (b) Describe the accidental report system in open mines.
17. (a) Explain in detail about warning sensor.

Or

- (b) Explain the occupational hazard in open and underground mining.
18. (a) Explain in detail How to handling the explosives in safe manner.

Or

- (b) Explain about the importance of the gas detectors and how to cure that.
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Sub. Code

30615C/ 30715C

P.G. DEGREE EXAMINATION, NOVEMBER 2019

First Semester

SAFETY IN FIRE WORKS INDUSTRY

(Common for M.B.A. (E & IS)/M.Sc. (ISH))

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write the properties of Sulphur.
2. Write some hazards available Fire Work Industries.
3. What is meant by Dust?
4. What do you mean by Static Change?
5. What is the difference between fire protection and fire prevention?
6. What do you mean by TREM Card?
7. Write the routes of entry of chemicals.
8. What are the types of Lifting?
9. What are the hazards available in Waste Management?
10. What do you meant by Scalds?

Part B**(5 × 5 = 25)**Answer **all** questions.

11. (a) Write short notes on Explosion Test.
Or
(b) What is meant by Impact Test?
12. (a) Write short notes on Earthing.
Or
(b) How to choose proper PPE in Firework Industries?
13. (a) How the Factory-Layout Contributes in Safety?
Or
(b) What are the risks available in fire work industries and how to control it?
14. (a) Explain about bonding and what are the factor contribute in bonding design.
Or
(b) What is meant by Static Electricity and it's Control Measures?
15. (a) How the Chemical Spillages Produce The Hazards?
Or
(b) What is meant by Labeling?

Part C**(3 × 10 = 30)**Answer **all** questions.

16. (a) Explain in detail about various chemical industries used in fire work industries and also explain in detail about it's hazard.
Or
(b) What are hazards available in Fire Work Industries?

17. (a) Explain about Factories Act (related to chemical).

Or

(b) Explain about emergency response plan in case of accident discharge.

18. (a) Explain in detail about roles and responsibility of fire service.

Or

(b) Describe about the inspection and maintenance of Fire Extinguisher.
