

C-1567

Sub. Code

84211

M.B.A. DEGREE EXAMINATION, NOVEMBER 2022

First Semester

Rail Safety Management

ORGANIZATIONAL BEHAVIOUR AND MANAGEMENT

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. What is Organizational Behaviour?
2. Outline types of personality.
3. What are the types of learning – list out?
4. What is perception?
5. What is group dynamics?
6. Define Organization structure.
7. Define Motivation.
8. Define stress.
9. What is the importance of Job satisfaction?
10. What is team building?

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

11. (a) Describe the framework of organizational behaviour.

Or

- (b) Explain types of Learning.

12. (a) Explain factors influencing personality.

Or

- (b) Explain factors influencing perception.

13. (a) Briefly explain group dynamics.

Or

- (b) Describe team building.

14. (a) Write a short note on Importance of Leadership style.

Or

- (b) Explain stability change.

15. (a) Differentiate between Leader & Manager.

Or

- (b) Explain organizational Culture & Climate.

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

16. (a) Explain Motivation and Leadership quality.

Or

- (b) Define communication and its importance.

17. (a) Evaluate factors affecting organizational culture.

Or

(b) Define stress prevention.

18. (a) Explain group decision making.

Or

(b) Define Proactive change VS Reaction change - Explain.

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84212

M.B.A. DEGREE EXAMINATION, NOVEMBER 2022

First Semester

Rail Safety Management

HISTORY AND EVOLUTION OF INDIAN RAILWAYS

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is Narrow Gauge?
2. Define Locomotives.
3. What is freight wagons?
4. What is station and yard?
5. Describe work force.
6. What is Electrification?
7. Define Manufacturing.
8. What are the types of travel classes?
9. Brief : ICF.
10. Define Tourism.

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

11. (a) Describe history of Indian Railways.
Or
(b) Briefly explain rail system Bombay to Thane.
12. (a) Explain GIPR motor coach.
Or
(b) Explain Meter Gauge and Broad Gauge.
13. (a) Write safety precautions in repair shops.
Or
(b) Write a short note about safety on manufacturing coaches.
14. (a) Explain types of coaches in Indian Railways.
Or
(b) Explain different classes of travel in Indian Railways.
15. (a) What is modern coach factory?
Or
(b) What is rail coach factory?

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

16. (a) Write a short note on Inaugural to Victoria terminals.
Or
(b) Describe about future of Indian railways.

17. (a) Explain about Bihar train disaster.

Or

(b) Explain about Firozabad rail disaster.

18. (a) Describe Indian Tourism with Indian railways.

Or

(b) Explain collision of Awadh express.

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84213

M.B.A. DEGREE EXAMINATION, NOVEMBER 2022

First Semester

Rail Safety Management

PROCESS SAFETY MANAGEMENT IN RAIL SECTOR

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define safety.
2. Define hazard.
3. Define health.
4. What is noise?
5. What are the types of guard in machine?
6. What is PTW?
7. What is static electricity?
8. Define pre-commissioning.
9. What is NDT?
10. What is checklist?

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

11. (a) Explain human factors in machine safety.

Or

- (b) Write some occupational diseases & prevention.

12. (a) What is PPR and its types?

Or

- (b) Explain prevention of hazardous substances.

13. (a) Explain Slip/Trip and Fall.

Or

- (b) How to prevent e electrocution and what is CPR explain?

14. (a) Differentiate between hazard evaluation and assessment.

Or

- (b) List out safety measures in reactor safety.

15. (a) Define PTW systems and its importance.

Or

- (b) Explain the operating of fired heaters, driers.

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

16. (a) Explain occupational health and industrial hygiene.

Or

- (b) Write a short note on duties of safety officer.

17. (a) Define pre commissioning and its documents.

Or

(b) Define process commissioning and its problem.

18. (a) Write safety measures during pressure testing.

Or

(b) Explain terms:

(i) Trip systems

(ii) Plant monitoring

(iii) NDT

(iv) Vibration.

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84214

M.B.A. DEGREE EXAMINATION, NOVEMBER 2022

First Semester

Rail Safety Management

GENERAL FIRE SAFETY

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define reasons for fire.
2. What is flash point?
3. Define fire point.
4. Explain BLEVE.
5. Explain fire tetra hydrant.
6. List out modern fire fighting and equipments.
7. Define fire safety in public places.
8. What are the types of fire hydrants?
9. Types of exits.
10. Define evacuation.

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

11. (a) Explain the classification of fire with examples.

Or

- (b) Define explosion pentagon.

12. (a) List out safety measures in high rise buildings.

Or

- (b) Explain briefly about BLEVE.

13. (a) Safety in Godown / chemical warehouse.

Or

- (b) Define the classification of fire extinguishers.

14. (a) Define MCP/UV flame detectors/IR flame detector.

Or

- (b) Explain risers and its types.

15. (a) Discuss about fire escape routes and stair cases.

Or

- (b) Explain about

- (i) Fire zones

- (ii) Overlapping fire zone.

Part C $(3 \times 10 = 30)$ Answer **all** questions.

16. (a) Explain in detail about fire load and classification of buildings based on occupancy.

Or

- (b) Explain the duties and responsibilities of ERP team.

17. (a) Explain fire safety in chemical warehouse.

Or

- (b) Define the classification of hazards and fire extinguishers placement.

18. (a) Write the types of detectors and explain maintenance of fire extinguishers.

Or

- (b) Discuss the arrangements of exits and its types and requirements.

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84215A

M.B.A. DEGREE EXAMINATION, NOVEMBER 2022

First Semester

Rail Safety Management

**ELECTRICAL AND CHEMICAL SAFETY
MANAGEMENT**

(2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define OHM'S law.
2. Define LOTO.
3. Explain short circuit.
4. Define CPR.
5. Explain Arc Flash.
6. Explain PPE.
7. Define MCB.
8. Explain GFCI.
9. Expand ELCB.
10. What is energy isolation permit?

Part B $(5 \times 5 = 25)$ Answer **all** questions.

11. (a) Write some points of electrical safety in Industries.

Or

- (b) Define general electrical safety in houses.

12. (a) Explain (i) Arc Flash (ii) Arc blast

Or

- (b) Explain (i) Overloading (ii) Short circuit.

13. (a) Explain (i) Corona effect (ii) Static Electricity

Or

- (b) What is electrical guarding — Explain.

14. (a) Explain in detail about LOTO.

Or

- (b) Define discharge rods and earthing devices.

15. (a) Explain fail safe concepts.

Or

- (b) Explain GFCI and its uses.

Part C $(3 \times 10 = 30)$ Answer **all** questions.

16. (a) Explain the types of electrical faults with examples.

Or

- (b) Write about Indian electricity rules.

17. (a) Explain Primary and Secondary hazards.

Or

(b) Discuss about Electromagnetic forces.

18. (a) Explain PTW systems and energy isolation.

Or

(b) Explain the following terms

(i) Classification of hazardous zones.

(ii) Safety in use of portable tools.
