

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**PGDIS DEGREE EXAMINATION MAY 2019**  
(Second Semester)

Branch - **PG DIPLOMA IN INDUSTRIAL SAFETY**  
**ACCIDENT AND LOSS PREVENTION TECHNIQUES**

Time : Three Hours

Maximum : 60 Marks

**SECTION - A**

(5 x 5 = 25)

- 1 a Write the fundamental steps for accident prevention.  
OR  
b Explain about safety education and training.
- 2 a List the human factors contributing to accidents.  
OR  
b What is the difference between unsafe acts and unsafe conditions in safety?
- 3 a What is job safety analysis? Explain with examples.  
OR  
b Discuss the assessment of key components of hazard prevention and control.
- 4 a List the types of check list procedure in safety inspection.  
OR  
b Define safety audit and explain its importance in plant safety inspection.
- 5 a Explain the information that should cover in an accident and incident reports.  
OR  
b Write the methods of accident prevention based on five E's.

**SECTION - B**

(5 x 7 = 35)

- 6 a Discuss briefly about safety management.  
OR  
b Write the role and importance of safety promotion and publicity schemes.
- 7 a Explain the role of safety committee in promoting employee's participation in safety.  
OR  
b Explain in detail 'theories of motivation' and their applications to safety analysis
- 8 a Describe the Fault tree and event tree analyses.  
OR  
b Discuss the methods for identification of hazards and their assessment.
- 9 a i) Write a note on the need and objectives of safety standards in an industry.  
ii) State the advantages of safety standards.  
OR  
b Write note on reporting of accident under various status.
- 10 a i) Explain in detail about accident investigation.  
ii) Give an account on elementary first aid.  
OR