

Roll No.

Exam Code : J-19

Subject Code—0875

**P.G. Diploma in Industry Safety
Management EXAMINATION**

(For Batch 2018 Onwards)

**SAFETY STATISTICS AND ACCIDENT
INSPECTION**

PGDISM-05

Time : 3 Hours

Maximum Marks : 70

Section A

Note : Attempt all questions.

7×2=14

1. Significance of diagrammatic and graphic presentation.
2. Rank correlation coefficient.
3. Uses of time series in business forecasting.

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4. Least Square method.
5. Conditional probability with example.
6. Applications of F-Distribution.
7. Usages of Safety Checklist.

Section B

Note : Attempt all the questions.

8. Explain the utility of statistics as a managerial tool. Also discuss its limitations.

Or

What do you understand by skewness and kurtosis ? Give formulae for measuring them.

14

9. Distinguish between correlation and regression. Explain the properties of regression coefficients.

Or

Explain the concept of probability distributions. Write a note on Binomial distribution. In particular, mention its assumptions, its expected value and variance, and the shape.

14

10. Explain the utility of time series analysis to a businessman and an economist. Also state the different components in a time series.

Or

Define control chart. What are the usages of X, R, P and C Charts ?

14

11. What do you mean by inspections mode and periodicity ? Explain the various provisions of law to select a competent authority for inspection.

Or

Explain the accident investigation techniques and follow up system.

14