



**DJJ-003-011204**

Seat No. \_\_\_\_\_

**M. Sc. (Sem. II) (CBCS) Examination**

**May / June – 2015**

**Industrial Chemistry : IC - 204**

*(Industrial Management & Safety)*

**Faculty Code : 003**

**Subject Code : 011204**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- Instructions:** 1) All Questions are compulsory.  
2) Assume suitable data wherever necessary.

**Q1] Answer any SEVEN out of the following: 14**

- 1) Draw only diagram of successful change management timeline.
- 2) Enlist any six types of planning.
- 3) Explain SWOC & PEST analysis with simple diagram.
- 4) Enlist steps of systematic approach to decision making.
- 5) What are flammable materials?
- 6) Write any four safely guidelines for transportation of chemicals.
- 7) What are toxic materials?
- 8) Give equation of motivating potential score.
- 9) Enlist any five international standards with their objectives.
- 10) Enlist key elements of Total quality management.

**Q2] Answer any TWO from the following: 14**

- 1) Explain Functions of Management in detail.
- 2) Enlist various Fire Fighting Equipment in detail
- 3) Explain levels of management with their roles & responsibilities in detail.

**Q3] Answer the following: 14**

- 1) Explain issues related to decision making & six types of decision making.
- 2) Explain in detail: Basic storage principle of material in chemical industry.

**OR**

**Q3] Answer the following: 14**

- 1) Discuss Laboratory safety rules in detail.
- 2) Explain Maslow's hierarchy of need diagram with detailed explanation.

**Q4] Answer any TWO from the following: 14**

- 1) Explain control measures for Toxic chemicals.
- 2) Discuss Job satisfaction in detail.
- 3) Explain diagram of product life cycle.

**Q5] Answer any TWO from the following:**

**14**

- 1) Explain break even analysis diagram with their components.
  - 2) Explain eight dimensions of quality in detail.
  - 3) Write general safety in pilot plant.
  - 4) What is organization structure? Enlist types of organization structures & explain any one in detail.
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