

**Semester-III, M.Sc. (Industrial Chemistry) Examination**  
**October / November 2015**  
**Paper- IC- 9: Industrial management and Safety,**  
**Subject Code: 3566**

Time: 2.30 Hours

Total Marks: 70

Que.-1 What is a product, product mix and product line? Explain it. 14

**OR**

Que.-1 What is product life cycle? Explain product life cycle with example. 14

Que.-2 What is ISO? Explain history, objective and elements of ISO 9000. 14

**OR**

Que.-2 Explain objective, elements, advantages and disadvantage of ISO 14000. 14

Que.-3 Write a complete note of 4P of marketing. 14

**OR**

Que.-3 What is motivation? Discuss theory X and theory Y for employee motivation. 14

Que.-4 State & explain characteristics of successful leaders. 14

**OR**

Que.-4 What is a group? Explain characteristics and types of groups. 14

Que.-5 Write a short note on Explosimeter and fire fighting bottle with sketch. 14

**OR**

Que.-5 What is hazard? Write about hazard detection equipment. 14