Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 01

Total No. of Questions : 09

B.Tech Ind. Engg. & Mgt. (Spl. in TQM)   (Sem.–2)
MANAGEMENT SYSTEMS & STANDARDS
Subject Code : IEM-204
Paper ID : [61009]

Time : 3 Hrs.   Max. Marks : 40

INSTRUCTIONS TO CANDIDATES :
1. **Attempt All EIGHT questions from SECTION-A carrying TWO marks each.**
2. **Attempt any SIX questions out of EIGHT from SECTION-B carrying FOUR marks each.**

SECTION-A

Q1.   Answer briefly :

a.   What is the need of standardization?

b.   Write the Range of ISO standards.

c.   State ISO 9000: 2008 Quality Management Principles.

d.   Write the infrastructural requirements for QMS.

e.   What is the role of International Accreditation Forum?

f.   Write the importance of Environmental Management system.

g.   Write the role of TS-16949.

h.   What is proficiency testing?

SECTION-B

Q2.   Classify and discuss the various types of standards.

Q3.   Discuss the structure and procedure for formulation of standards by Bureau of Indian Standards (BIS).

Q4.   What is Quality Management System (QMS)? Write its general and documentation requirements.

Q5.   Explain the process of product realization in ISO 9001: 2008 QMS.

Q6.   Elaborate the various steps for obtaining the certification of Quality Management System.

Q7.   Discuss the relationship between ISO 9001 and ISO 14001.

Q8.   Explain the process of validation, verification and improvement of Food Safety Management System.

Q9.   Write the management and technical requirements for ISO/IEC 17025: 2005.