



187017

Course : B.Voc. Automotive Mechatronics
Subject : Fundamental of Industrial Management
Subject Code : ZBME-101
Semester : First
Duration : 3 Hours
Maximum Marks : 35

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. **Section A** comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 1 mark.
3. **Section B** comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled.

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SECTION -A (OBJECTIVE TYPE QUESTIONS)

(10x1=10 Marks)

1. Which one of these is not a S from 5S concept
 - a. sort,
 - b. set in order,
 - c. shine,
 - d. suitable
2. The phrase "poka yoke" is derived from the Japanese word that means:
 - a. to avoid errors
 - b. to do errors
 - c. type I error
 - d. type II error
3. Which one from the following is **not** a barrier to TQM
 - a. lack of management commitment;
 - b. weak comprehension of quality management;
 - c. inability to change organizational cultures
 - d. high stress level
4. ISO means:
 - a. International Organization for Standardization
 - b. International Organization for Standard
 - c. Indian Organization for Standardization
 - d. International Office for Standardization
5. A -----is used for continuous data, where the bins represent ranges of data.
 - a. Bar chart
 - b. Histogram
 - c. flow chart
 - d. all of the above
6. -----is a graph in which the values of two variables are plotted along two axes, the pattern of the resulting points reveals any correlation present.
 - a. scatter diagram
 - b. Control charts
 - c. Check sheets
 - d. None of the above

7. Which one of them is a principle of TQM:
- Focus on customer.
 - Employee involvement.
 - Process centred.
 - All of the above
8. JIT means:
- Just in Time
 - Just in Technology
 - Job in Time
 - Job in Technology
9. -----is a system of maintaining standards in manufactured products by testing a sample of the output against the specification.
- Quality
 - TQM
 - Quality control
 - None of the above
10. Which one is not a safety hazard in manufacturing industry?
- Fall
 - Machine guarding
 - Electrical
 - Personal conflicts

SECTION -B (ESSAY TYPE QUESTIONS)

(5x5=25 Marks)

- What do you mean by quality? Discuss its importance in industry.
- Define hierarchy of quality management.
- Discuss the quality assurance process with suitable example.
- Define ISO 9001. Write the benefits of ISO 9001.
- What do you mean by problem? Discuss the different types of problem.
- What do you mean by TQM? Explain the features of TQM.
- 'TPM is a Process for Improving Equipment Effectiveness'. Discuss.
- What do you mean by integrated management system? Explain the different levels of integration.

End of The Paper