

Register No.:

962

April 2024

Time – Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART – A

1. Write the dimensions of quality.
2. What is Mission statement?
3. List the types of data.
4. What is a measure of dispersion?
5. Write the Features of TPM.
6. Define Maturity stage.
7. What is meant by defect loss?
8. What is Zero failure?
9. What is autonomous inspection?
10. Write about why-why analysis.

PART – B

11. (a) (i) What is brain storming? Draw the flow diagram of activities in brain storming.(10)
(ii) List out the barriers to TQM implementation.(4)
(Or)
- (b) Describe the Deming Philosophy fourteen points on route to quality.
12. (a) (i) Explain the principle and procedure of six sigma.(10)
(ii) Write the classification of data and tabular presentation of data.(4)
(Or)
- (b) (i) Describe the graphical representation of frequency distribution.(9)
(ii) Write short notes on measure of central tendency.(5)
13. (a) (i) Explain about initial implementation stage of starting TPM.(8)
(ii) Write about master plan for institutionalizing.(6)
(Or)
- (b) (i) Explain about planned maintenance.(7)
(ii) Explain how to Establishing systems to improve efficiency of administration.(7)
14. (a) Write short notes on:
(i) Calculating overall Equipment Effectiveness (OEE). (7)
(ii) Regular production loss and irregular production loss.(7)
(Or)
- (b) (i) Explain how to achieve the zero failure.(7)
(ii) Explain the internal and external changes required in TPM. (7)
15. (a) (i) Explain about cause and effect diagram with an example.(7)
(ii) Explain different check points for Jishu Hozen.(7)
(Or)
- (b) (i) Explain the steps to develop autonomous inspection. (7)
(ii) Explain the procedure for Preparing autonomous standards for TPM. (7)
