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6th Sem,

Branch : Mechanical Engg.

Subject : Plant maintenance and Material Handling

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory. (10x1=10)

- Q.1 Which of the following is not an important factor in determining the best location for new plants?(CO-2)
a) Price b) Density
c) Terms of sale d) Availability
- Q.2 Continuous monitoring its needed in _____ type of maintenance. (CO-5)
a) Predictive b) Shutdown
c) Breakdown d) Preventive
- Q.3 Which of the following is not a type of maintenance? (CO-1)
a) Preventive maintenance
b) Breakdown maintenance
c) Occurrence maintenance
d) Scheduled maintenance
- Q.4 The gear according to the position of teeth on the wheel are of _____ types. (CO-1)
a) Two b) Three
c) Four d) Six

- Q.5 Expansion of CBMS is (CO-5)
a) Computer Based Management Systems
b) Computer Based Monitoring Systems
c) Computer Based maintenance Schedule
- Q.6 In which of the following data is organized in “Machine history card”? (CO-4)
a) Name of machine b) Cost of machine
c) Source of supply d) all of the above
- Q.7 _____ is the algebraic difference between the actual measured size and the corresponding basic size (CO-3)
a) Deviation b) Tolerance zone
c) Limit off size d) Basic size
- Q.8 Which of the following is a testing method: (CO-1)
a) Idle run test b) Noise resistance test
c) Testing under load d) all of the above
- Q.9 The best example of splash lubrication is (CO-4)
a) Grease gun b) Ring Lubricator
c) Wick feed lubricator d) Pump lubricator
- Q.10 ____ is the process of restoring the machine to good working condition after damage or wear. (CO-1)
a) Maintenance b) Repair
c) Testing d) All of the above

Section B

Note: Objective types Questions. All Questions are compulsory. (10x1=10)

- Q.11 Expand ISO. (CO-5)
- Q.12 What is noise? (CO-4)
- Q.13 Write any one cause of bearing failure. (CO-4)
- Q.14 _____ is more efficient than process layout. (CO-2)
- Q.15 Name any two testing equipments. (CO-3)
- Q.16 Expand AGV. (CO-2)
- Q.17 Name the types of maintenance. (CO-1)
- Q.18 Define Fit. (CO-1)
- Q.19 Define overhauling. (CO-5)
- Q.20 Centralised maintenance means _____. (CO-1)

Section-C

Note: Short answer type Questions. Attempt any twelve Questions out of fifteen Questions. (12x5=60)

- Q.21 Explain the B-T curve. (CO-1)
- Q.22 Explain the working of dial guage. (CO-2)
- Q.23 Explain the reason for alignment test of a machine. (CO-2)
- Q.24 Write short note on handling of lubricants. (CO-4)
- Q.25 Write the advantages of product layout. (CO-2)
- Q.26 Write short note on maintenance schedule. (CO-1)
- Q.27 Explain the remedial steps taken to prevent frequent failure of belt drives. (CO-5)

- Q.28 How provision is made for parts not available in th market? (CO-5)
- Q.29 Make a scheduled yearly plan of maintenance of Lath machine. (CO-3)
- Q.30 Write short note on alignment test of Lathe shaft. (CO-3)
- Q.31 Explain the functions of machine history card. (CO-3)
- Q.32 What are various types of foundations? (CO-2)
- Q.33 Discuss Acceptance test for machine tools. (CO-3)
- Q.34 Write short note on spare parts management. (CO-5)
- Q.35 Write short note on carousals. (CO-2)

Section-D

Note: Long answer Questions. Attempt any two Questions out of three Questions. (2x10=20)

- Q.36 Differentiate between centralized and decentralized maintenance. (CO-1)
- Q.37 Explain various methods for vibration isolation with diagrams. What is the difference between active and passive isolation. (CO-2)
- Q.38 What are the relative merits and demerits of preventive and corrective maintenance. (CO-5)

Note : Course Outcome (CO) mentioned in the question paper is for official purpose only.