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Roll No.....

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 the 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.