

No. of Printed Pages : 4 181761A/171761A/032351
Roll No.

6th Sem / Branch : Mech.

Sub.: Plant Maintenance & Material Handling

Time : 3Hrs.

M.M. : 100

SECTION-A

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

Q.1 Maintenance consist of the following action(s) (CO1)

- a) Replacement of the component
 - b) Repair of the component
 - c) Service of the component
 - d) All of above

Q.2 Which of the following is not an important in determining the best location for a new plant (CO₂)

- a) Price
 - b) Density
 - c) Terms of sale
 - d) Availability

Q.3 The downtime cost consists of (CO3)

- a) Loss of production
 - b) Reduction in sale
 - c) Wages paid to the workers
 - d) All of the above

Q.4 Mandrel have length from _____ to _____ mm (CO3)

- a) 100-300 b) 150-3000
c) 500-1500 d) None of the above

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- Q.5** Friction in moving surface is reduced by thin layer of substance is called _____ (CO4)
a) Lubricant b) Air
c) Force d) None of the above

Q.6 Which of the following is called Line layout (CO2)
a) Product layout b) Fixed position layout
c) Combined layout d) All of the above

Q.7 Repair and maintenance of belt could be (CO5)
a) Replace worn out belt
b) Check drive the alignment
c) Keep belt groove clean
d) All of the above

Q.8 Which of the following is not general consideration which affects the foundation. (CO2)
a) Type of machine b) First cost
c) Soil d) Frame work

Q.9 Which of the following is the type of maintenance? (CO1)
a) Predictive maintenance
b) Operator maintenance
c) Opportunistic maintenance
d) All of the above

Q.10 Which of the following part need frequent maintenance? (CO3)
a) Gears b) Keys
c) Chains d) All of the above

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define testing. (CO1)
Q.12 Name any two types of foundation bolts. (CO2)
Q.13 Define direct vibrations. (CO2)
Q.14 Expand MTBF. (CO3)
Q.15 Name two types of foundations. (CO2)
Q.16 The function of gasket is to _____. (CO3)
Q.17 Corrective maintenance is not suitable for part such as _____. (CO5)
Q.18 Name any one type of maintenance organization. (CO1)
Q.19 Name any two factors affecting plant layout. (CO2)
Q.20 Name two types of belts. (CO3)

SECTION-C

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

- Q.21 Write the necessity for testing and repair. (CO1)
Q.22 Write short note on storage of lubricants. (CO4)
Q.23 What are various stages of maintenance? (CO1)
Q.24 Explain erection and leveling. (CO2)
Q.25 Explain the lubricant grades for bearings. (CO3)
Q.26 How the speed of machine is tested? Explain with example. (CO3)

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- Q.27 How will you recalibrate the vernier caliper? (CO3)
Q.28 Write short note on routine maintenance. (CO1)
Q.29 Write short note on erection and leveling. (CO2)
Q.30 Write short note on pallet sizing and loading. (CO2)
Q.31 Write short note on scheduled maintenance. (CO1)
Q.32 What are the advantages of making machine history card? (CO3)
Q.33 Explain maintenance request and its procedure. (CO3)
Q.34 Give the remedies to prevent frequent failure of parts? (CO5)
Q.35 Explain the types of maintenance organizations. (CO2)

SECTION-D

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

- Q.36 Explain alignment procedure of Lathe machines. (CO1)
Q.37 Write the procedure for spare part provisioning and their classifications. (CO3)
Q.38 Explain the difference between geometrical test and acceptance test of machines with examples. (CO3)

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

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