

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

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)

(3) 181761A/171761A/
032351

- 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.

(1800) (4) 181761A/171761A/
032351