

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

6th Sem / Mech
Subject:- Plant Maintenance and Material Handling

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 _____ maintenance is regular period planned maintenance which eliminates breakdowns & outages.

 - a) Routine
 - b) Preventive
 - c) Corrective
 - d) Operation

Q.2 With the increase in cost of preventive maintenance, the breakdown maintenance cost will _____

 - a) Decreases
 - b) Increase at faster rate
 - c) No change
 - d) Increases

Q.3 What type of maintenance is most effective ?

 - a) Shutdown maintenance
 - b) Corrective maintenance
 - c) Greakdown maintenance
 - d) Preventing maintenance

- Q.4 Material handling consists of movement of material from

 - One machine to another
 - One shop to another shop
 - Store to shop
 - All of these

Q.5 ___ are the basic materials which have not undergone any conversion since their receipt from supplier .

 - Work in progress
 - Raw material
 - Finished parts
 - Work made parts

Q.6 Material management has an important role in --- management

 - Production
 - Supply chain
 - Operation
 - All of these

Q.7 Which of the following industrial should be located near the vicinity of raw material ?

 - Cycles
 - Televisions
 - Sewing mc
 - Steel mills

Q.8 the following type of layout is preferred to manufacture a standard product in large quantity.

 - Product layout
 - Process layout
 - Fixed position layout
 - Combination layout

Q.9 The downtime cost consists of

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

Q.10 The first automated guides vehicle was developed in

- a) 1965
- b) 1954
- c) 1945
- d) 1960

SECTION-B

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

Q.11 Define Tolerance

Q.12 Define material management.

Q.13 Upper deviation= Maximum limit of size-----.

Q.14 Define the vibration damping.

Q.15 Quick setting cement is used for grouting.
(True/False)

Q.16 Name any two testing instruments .

Q.17 Define spare part.

Q.18 What is use of seal ?

Q.19 What is the use of key.

Q.20 What is an elevator ?

SECTION-C

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

Q.21 What are the advantages of maintenance ?

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Q.22 Draw B-T curve .

Q.23 Write the objectives of material management .

Q.24 Write a short note on foundation plan.

Q.25 Write a short note on vibration resistance test.

Q.26 Write the procedure for recalibration of micrometer.

Q.27 Write the purpose of machine history card .

Q.28 What are the causes of failure of gears ?

Q.29 Write the remedial measures of bearings.

Q.30 Write a short note on automatic system of lubrication

Q.31 What a purpose of changing lubricating oils.

Q.32 Write the objectives of material handling .

Q.33 Write a short note on mobile motor crane.

Q.34 Define AGV's ? Also list few applications of AGV's

Q.35 Write objectives of automated storage system.

SECTION-D

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

Q.36 Compare the product layout & process layout.

Q.37 write the objectives & functions of maintenance .

Q.38 Explain the different stages of repair & maintenance of compressor.

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