

- Q.28 Write short note on routine maintenance.  
 Q.29 Explain predictive maintenance.  
 Q.30 Write short note on decentralized maintenance.  
 Q.31 Write short note on scheduled maintenance.  
 Q.32 What are the advantages of making machine history card?  
 Q.33 What are the machine Repair and replacement decisions?  
 Q.34 Give the remedies to prevent frequent failure of parts?  
 Q.35 Explain the types of maintenance organizations?

### **Section-D**

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

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

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### **Subject : Installation Testing & Maintenance**

**Time : 3 Hrs.**

**M.M. : 100**

### **SECTION-A**

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

- Q.1 \_\_\_\_\_ is the process of restoring the machine to good working condition after damage or wear.  
 a) Maintenance      b) Repair  
 c) Testing            d) all of the above
- Q.2 \_\_\_\_\_ is the algebraic difference between the actual measured size and the corresponding basic size.  
 a) Deviation        b) Tolerance zone  
 c) Limit off size    d) Basic size
- Q.3 Which of the following is not general consideration which affects the foundation  
 a) Type of machine    b) first cost  
 c) Soil                d) Frame work
- Q.4 Which of the following is the type of maintenance?  
 a) Predictive maintenance  
 b) Operator maintenance  
 c) Opportunistic maintenance  
 d) all of the above

- Q.5** Which of the following is a testing method:  
 a) Idle run test      b) Noise resistance test  
 c) Testing under Load d) all of the above
- Q.6** Maintenance carried out to restore machinery to previous condition is called  
 a) corrective maintenance  
 b) Scheduled maintenance  
 c) Running maintenance  
 d) None of the above
- Q.7** Failure rate is given by ?  
 a)  $= F/T$       b)  $F = /T$   
 c)  $= T/F$       d) None of the above
- Q.8** Which of the following part need frequent maintenance?  
 a) Gears      b) Keys  
 c) Chains      d) all of the above
- Q.9** Which of the following is the advantage of computerization of maintenance?  
 a) Speed and accuracy  
 b) Issue of useful computers  
 c) Updating during shutdown  
 d) All of the above
- Q.10** In which of the following data is organized in “Machine history card”?  
 a) Name of machine    b) Cost of machine  
 c) Source of supply    d) all of the above

### Section B

- Note:** Objective types Questions. All Questions are compulsory. (10x1=10)
- Q.11** Write the function of auto-collimator.  
**Q.12** Name any two types of foundation bolts.  
**Q.13** Define direct vibrations.  
**Q.14** Expand MTBF.  
**Q.15** Name two types of foundations.  
**Q.16** The function of gasket is to \_\_\_\_\_.  
**Q.17** Corrective maintenance is not suitable for part such as \_\_\_\_\_.  
**Q.18** Name any one type of maintenance organization.  
**Q.19** Define Maintainability.  
**Q.20** Name two types of belts.

### 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.  
**Q.22** Explain the reason for alignment test of a machine.  
**Q.23** What are various stage of maintenance?  
**Q.24** Explain erection and levelling.  
**Q.25** Explain the types of availability.  
**Q.26** How the speed of machine is tested? Explain with example.  
**Q.27** Explain the procedure of recalibration of dial gauge.