

- Q.27 Explain schedule maintenance.
 - Q.28 Give difference between oil circuit breaker and air circuit breaker
 - Q.29 Explain procedure for replacement of "O- ring"
 - Q.30 List safety rules for electric equipments.
 - Q.31 Discuss maintenance of calendar rolls.
 - Q.32 State merits and demerits of breakdown maintenance.
 - Q.33 Explain construction of working of ceramic type heaters.
 - Q.34 Explain objectives of maintenance.
 - Q.35 State functions of actuators.

SECTION-D

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

- Q.36 Discuss types of power transmissions with neat diagram. Also write their advantages and disadvantages of each system.

Q.37 Write a short note on :

 - Preventive maintenance
 - Function of solenoid valve

Q.38 What is the need of machine foundation ?Describe different types of machine foundations with the help of neat sketch.

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5th Sem . / Branch : Plastic
Subject:- Maintenance of Plastic Processing Machinery

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 Which type of maintenance is most effective _____

 - Shutdown maintenance
 - Corrective maintenance
 - Breakdown maintenance
 - Preventive maintenance

Q.2 Which of the following is the systematic approach for maintenance ?

 - Problem - diagnosis- cause - rectification
 - Problem- measure- diagnosis- rectification
 - Problem - cause - diagnosis- rectification
 - Problem - cause - measure- rectification

Q.3 Why maintenance is needed?

 - doing so reduce the production rate
 - doing so increases the service cost
 - doing increases the service life and efficiency of machine
 - doing so helps in replacement of machine

Q.4 Total Productive maintenance (TMP) approach has the potential of providing almost a seamless integration between

- a) Production and Quality
 b) Quality and Maintenance
 c) Production and Maintenance
 d) All of the above
- Q.5** In an induction motor, rotor runs at a speed.
 a) Equal to the speed of stator field
 b) Lower than the speed of stator field
 c) Higher than the speed of stator field
 d) Having no relation with the speed of stator field
- Q.6** Which types of vibration are also known as Transient Vibration
 a) Undamped Vibration
 b) damped Vibration
 c) Torsional Vibration
 d) Transverse Vibration
- Q.7** The Predictive Maintenance aims at _____
 a) Less idle time
 b) Increase in productivity
 c) Zero down time
 d) None of these
- Q.8** The pressure inside the lubrication system is controlled by.
 a) oil pump b) oil filter
 c) relief valve d) support voltage
- Q.9** In roller chain the rolling friction reduces.
 a) Wear
 b) Frictional power loss
 c) Improve the efficiency of the chain drive
 d) All of these

- Q.10** Machine foundation is subjected to _____
 a) Static Load
 b) Wind Load
 c) Static and Dynamic load
 d) Dynamic load

SECTION-B

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

- Q.11** Define leveling.
Q.12 Expand PLC.
Q.13 Name two parts of squirrel cage motor.
Q.14 What is meant by erection ?
Q.15 Name two types of filter used in polymer industry.
Q.16 Give function of limit switch.
Q.17 Name two types of heaters used in polymer industry.
Q.18 List two types of stators.
Q.19 Expand FRL.
Q.20 MCB stands for _____

SECTION-C

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

- Q.21** Explain working of central lubrication system.
Q.22 Discuss main causes of failure of foundations
Q.23 Discuss general methods of alignment of machine.
Q.24 What is thermocouple ? Explain its working principle.
Q.25 Define relay and its working.
Q.26 Explain any one pump used in plastic processing industry with neat sketch.