

- Q.27 What is the function of mill roll.  
 Q.28 Why we use the transmission system.  
 Q.29 Explain foundation, how many types of foundation.  
 Q.30 Write a short note on Predictive Maintenance.  
 Q.31 Explain the working of air circuit breaker.  
 Q.32 Write a short note on hydraulic motor.  
 Q.33 What is function of limit switch timer.  
 Q.34 Define valve, explain the working of solenoid valve.  
 Q.35 Explain the V-belts transmission system.

#### SECTION-D

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

- Q.36 What is maintenance, explain in details maintenance planning.  
 Q.37 Explain :  
 a) Temperature Controller  
 b) Thermocouple  
 Q.38 What is motor, explain in detail slipping motor with neat sketch.

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Roll No. ....

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#### Plastic Engineering

#### 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 Maintenance consists of the following action.  
 a) Replace of component  
 b) Repair of component  
 c) Service of component  
 d) All of the above  
 Q.2 The following is not a classification of maintenance.  
 a) Corrective b) Timely  
 c) Scheduled d) Preventive  
 Q.3 When there is a reduction in the amplitude of vibrations over every cycle of vibration, then the body is said to have.  
 a) Free vibration b) Forced vibration  
 c) Damped vibration d) Torsional vibration  
 Q.4 Lubrication is necessary to protect wear and tear caused due to.  
 a) Electrostatic force b) Gravitational force  
 c) Frictional force d) Magnetic force

- Q.5 The gate valves are made of\_\_\_\_\_ With brass mountings .  
 a) Cement concrete      b) Reinforced concrete  
 c) Cast iron              d) Galvanized iron
- Q.6 Full form of MCB.  
 a) Main circuit breaker  
 b) Miniature circuit breaker  
 c) Major circuit breaker  
 d) None of them
- Q.7 The wound rotor induction motor gives.  
 a) High starting torque  
 b) Moderate starting torque.  
 c) Reduced starting torque  
 d) None of them
- Q.8 A gear pump uses.  
 a) Petrochemical pump      b) Meshing of gear  
 c) Forth pump              d) Air lift pump
- Q.9 In which of the gear box sun and planet gear set is used.  
 a) Constant mesh gear box  
 b) Sliding mesh gear box  
 c) Synchromesh gear box  
 d) Epicyclical gear box
- Q.10 The following is (are) scheduled maintenance.  
 a) Overhauling of machine  
 b) Cleaning of tank  
 c) White washing of building  
 d) All of above

## SECTION-B

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

- Q.11 Define Maintenance Planning.  
 Q.12 What is Foundation.  
 Q.13 Define starter.  
 Q.14 What is the function of Limit Switch.  
 Q.15 What is the function of Thrust Unit.  
 Q.16 Define filter.  
 Q.17 Write the function of O-rings.  
 Q.18 Define Lubrication.  
 Q.19 Define heater.  
 Q.20 What is the use of valve.

## SECTION-C

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

- Q.21 Define maintenance writes the objective of maintenance.  
 Q.22 Write a short note on electrical slipping motor.  
 Q.23 Explain in detail ordinary heater.  
 Q.24 Define air circuit breaker with its application.  
 Q.25 Difference between Breakdown and Schedule Maintenance.  
 Q.26 Explain the working of screw pump with diagram.