



- Q.5 An instrument used for comparing the dimension of a component with a standard of length.
- a) Clinometer                      b) Dial indicator  
c) Comparator                      d) Micrometer
- Q.6 The process of providing a thin layer of zinc coating on iron and steel called
- a) Electroplating                      b) Metal Cladding  
c) Cementation                      d) Galvanising
- Q.7 An operation of producing an external conical surface on a workpiece is known as
- a) Taper turning                      b) Plain turning  
c) Facing                      d) Step turning
- Q.8 The sand in its natural moist state is called
- a) Red sand                      b) Green sand  
c) Silica sand                      d) None of the above
- Q.9 Which of the following is not a pipe fitting?
- a) Elbow                      b) End plug  
c) Union                      d) Vice
- Q.10 Which of the following is not a constituent of moulding sand?
- a) Silica sand                      b) Sand binder  
c) Additive material                      d) Clay

## SECTION-B

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

- Q.11 Define Allowance  
Q.12 Define thread cutting  
Q.13 What is the use of sine bar ?  
Q.14 In which stroke shaper cuts ?  
Q.15 What is the use of primer  
Q.16 What is Bilateral Tolerance ?  
Q.17 Define Limits.  
Q.18 Define Core Box  
Q.19 Define Metal sawing  
Q.20 Define Knurling

## SECTION-C

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

- Q.21 What is interchangeability? Explain its use.  
Q.22 What are the application of different pipe fittings ?  
Q.23 Write a short note on dial comparator.  
Q.24 Describe Metal spraying method and its types.  
Q.25 Describe the working principle of shaper machine  
Q.26 Explain the types of moulding sands.