

153/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The vernier bevel protractor is able to read the angle to an accuracy of \_\_\_\_\_ degrees.
- (A)  $1^\circ$  (B)  $\frac{1^\circ}{2}$   
(C)  $\frac{1^\circ}{12}$  (D)  $\frac{11^\circ}{12}$
2. \_\_\_\_\_ method is used in mass production for producing a small length of taper where accuracy is not the criterion.
- (A) Form Tool (B) Tail Stock Offset  
(C) Swivelling Compound rest (D) None of these
3. In tailstock offset taper turning method, the amount of offset is found by the formula :
- (A)  $\frac{(D-d) \times l}{2L}$  (B)  $\frac{(D-d)}{2l}$   
(C)  $\frac{(D-d)}{L}$  (D)  $\frac{(D-d) \times L}{2l}$
4. Length of a file is the distance from the \_\_\_\_\_ of a file to the \_\_\_\_\_ :
- (A) Tip - Heal (B) Tip - shoulder  
(C) Edge - Tang (D) Edge - Heal
5. Multi start threads are used :
- (A) When alternating loads have to be transmitted  
(B) To achieve a small amount of friction at the flanks of the thread  
(C) To achieve a great axial movement with small rotary motion  
(D) To achieve a small axial movement with a great rotary motion
6. Quenching is a process to :
- (A) Stress relieve (B) Wash  
(C) Increase strength (D) Harden



7. The reading accuracy of the steel rule is \_\_\_\_\_ mm.  
(A) 5 (B) 0.5  
(C) 0.05 (D) 0.005
8. The accuracy of measurement by a try square is about \_\_\_\_\_ mm per 10mm length.  
(A) 0.001 (B) 0.02  
(C) 0.2 (D) 0.002
9. \_\_\_\_\_ Calipers are used for marking and layout work.  
(A) Inside Calipers (B) Vernier Calipers  
(C) Oddleg Calipers (D) Outside Calipers
10. Increase of carbon content in steel results in proportional :  
(A) Reduction of strength (B) Increase in hardness  
(C) Increase in strength (D) Increase in ductility
11. \_\_\_\_\_ Chisels are used for separating metals after chain drilling.  
(A) Cold (B) Flat  
(C) Crosscut (D) Web
12. \_\_\_\_\_ is used to remove drills and sockets from the machine spindle.  
(A) Arbor (B) Drift  
(C) Hammer (D) Chisel
13. Drills are provided with five different sizes of morse tapers and are numbered from :  
(A) MT 1 to MT 5 (B) MT 0 to MT 4  
(C) MT 2 to MT 6 (D) MT 3 to MT 7
14. \_\_\_\_\_ can be used for different types of work, like layout work, measurement and checking of angles.  
(A) Bevel Protractor (B) Vernier Height Gauge  
(C) Combination Set (D) Surface Gauge
15. Sensitive drilling machine is capable of drilling holes upto \_\_\_\_\_ mm diameter.  
(A) 10 (B) 12.5  
(C) 12 (D) 13