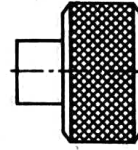


- Which one of the following is the correct position of threading tool to cut V-thread ?
 - Exactly at centre height of the workpiece with tool axis perpendicular to the workpiece axis
 - Exactly at centre height of the workpiece with tool axis at 60° to the workpiece axis
 - Exactly at centre height of the workpiece with tool axis at 45° to the workpiece axis
 - Exactly at centre height of the workpiece with tool axis at 30° to the workpiece axis
- Which among the following statements is suitable to get better finish by turning ?
 - Increase the speed and feed
 - Reduce the speed and feed
 - Increase the speed and reduce the feed
 - Increase the feed and reduce the speed
- For plain turning a 60 mm diameter workpiece using HSS tool with recommended cutting speed of 30 metre / min., the rpm should be
 - 80 rpm
 - 159 rpm
 - 192 rpm
 - 318 rpm
- Which among the following factors governs the selection of feed when turning a workpiece ?
 - Tool geometry
 - Surface finish required
 - Type of coolant required
 - All of the above
- Which one of the following shoulders is used on components to be threaded ?
 - Square shoulder
 - Radius shoulder
 - Undercut shoulder
 - Beveled shoulder
- What type of knurling is shown in Fig. ?
 - Straight knurling
 - Double knurling

- Cross knurling
- Diamond knurling



- Choose the correct formula to find the diameter of job (d) in mm, if the cutting speed (v) in m/min and revolutions per minute (n) are give,
 - $d = \frac{1000 \times v}{\pi \times n}$
 - $d = \frac{\pi \times n}{1000 \times v}$
 - $d = \frac{1000 \times \pi}{v \times n}$
 - $d = \frac{1000 \times n}{\pi \times v}$
- Which range of cutting speed is set for turning a mild steel using HSS tool ?
 - 15 – 20 m / min
 - 35 – 50 m / min
 - 50 – 80 m / min
 - 70 – 100 m / min
- Which one of the following combination of movements is used to turn a ball on a centre lathe with single point tool ?
 - Carriage and compound slides are used
 - Cross slide and compound slides are used
 - Carriage and cross slide are used
 - Compound slide and apron are used
- State the direction of rotation of job and lead screw while cutting left hand thread viewing from tailstock end. (CW = clockwise; ACW = anticlockwise).
 - Both the job and lead screw rotate CW
 - Both the job and lead screw rotate ACW
 - Job rotates CW and lead screw rotates ACW
 - Job rotates ACW and lead screw rotates CW
- Counter boring is done for
 - deburring hole ends
 - enlarging holes to accurate size
 - finishing cored holes
 - accommodating socket head screws

Answer Sheet



- | | | | |
|-----|-----|-----|-----|
| 1. | (a) | 2. | (c) |
| 4. | (d) | 5. | (c) |
| 7. | (a) | 8. | (b) |
| 10. | (d) | 11. | (d) |