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## INDIAN SCHOOL MUSCAT SECOND PERIODIC ASSESSMENT

### SUBJECT: ENGINEERING GRAPHICS

CLASS: XII

Sub.Code: 046

Time Allotted: 60mts.

10.05.2021

Max .Marks: 20

**General Instruction: -**

- i) Attempt all the questions.
- ii) Follow the SP: 46-2003 codes. (with first angle method)
- iii) Missing and mismatching dimension if any may be assumed suitably.
- iv) All dimensions are in millimeters.
- v) Use both side of the drawing sheet, if necessary.

1.	Draw to scale 1:1, the standard profile of metric thread (internal) taking enlarged pitch as 60mm. Give standard dimensions.	8
2.	Draw to scale full size, the Front view, Side view of a square head bolt of diameter 24mm, keeping its axis horizontal.	8
3.	<p>a) _____ is a machine element having a threaded hole that engages with the threaded end of the bolt.</p> <p>I. Nut.</p> <p>II. Bolt.</p> <p>III. Washer.</p> <p>IV. Stud.</p> <p>b) _____ is done to remove sharp corners to ensure the safety of the user.</p> <p>I. Chamfering.</p> <p>II. Welding.</p>	4

	<p>III. Riveting.</p> <p>IV. Fullering</p> <p>c) Which screw thread when assembled with a stationary mating bolt, screws of the bolt for clockwise direction?</p> <p>I. LH Thread.</p> <p>II. RH Thread</p> <p>III. Both I and II.</p> <p>IV. None of the above.</p> <p>d) Which of the following solids can be kept horizontal by resting on a face or vertical by resting on base?</p> <p>I. Prism</p> <p>II. Pyramid</p> <p>III. Cone</p> <p>IV. Sphere</p>	
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