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SET A



INDIAN SCHOOL MUSCAT FIRST PRELIMINARY EXAMINATION ENGINEERING GRAPHICS

CLASS: XII
17.01.2019

Subject Code: 046

Time Allotted: 3 Hrs
Maximum Marks: 70

General Instructions:

- (i) All dimensions are in millimeters.
- (ii) Missing and mismatching dimensions, if any, may be suitably assumed.
- (iii) Follow the SP: 46-2003 revised codes (with first angle method of projection).

1. Answer the following Multiple-Choice questions. Print the correct choice on your drawing sheet. 5
 - I. An external thread is represented by
 - a) Discontinuous, Minor diameter circle.
 - b) Continuous, Minor diameter circle.
 - c) Discontinuous, Major diameter circle.
 - d) Continuous, Major diameter circle.
 - II. The length of a bolt is its total length
 - a) Including the height of bolt head.
 - b) Excluding the width of chamfering circle.
 - c) Including the thickness of bolt head
 - d) Excluding the height and thickness of bolt head
 - III. Which is the modified form of square thread?
 - a) V- Thread.
 - b) Metric Thread.
 - c) Knuckle Thread.
 - d) B.S.W Thread
 - IV. In first angle projection the order of object, plane and observer, as viewed from the front is
 - a) Object Plane and Observer
 - b) Object, Observer and Plane
 - c) Plane, Observer and Object
 - d) Observer, Object and Plane
 - V. Name the portion between the rim and the hub of a cast iron pulley
 - a) Shaft
 - b) Gap
 - c) Bush
 - d) Web
2.
 - a) Construct an isometric scale of length 110 mm 3
 - b) Construct an isometric projection of the frustum of a cone, having its axis perpendicular to the HP. The top diameter = 40 mm and base diameter = 50 mm and height of frustum is 70 mm. 7
Give all dimensions. Draw the axis.

