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SET B



**INDIAN SCHOOL MUSCAT  
SECOND PRE - BOARD EXAMINATION  
ENGINEERING GRAPHICS (046)**

CLASS: XII

TERM 2

Time Allotted: 2 hrs

26.02.2022

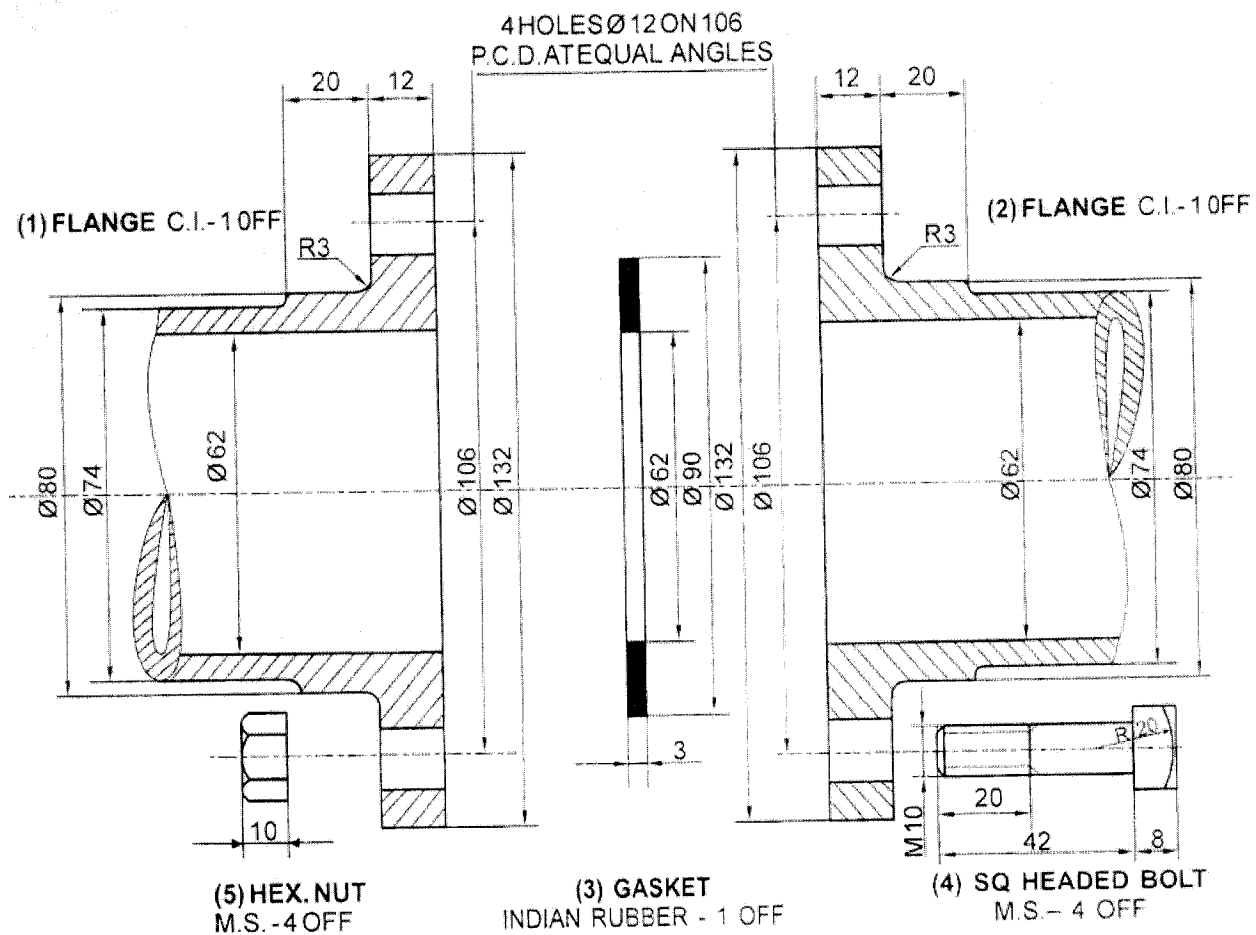
Max. Marks: 35

**GENERAL INSTRUCTIONS:**

- (i) Attempt all the questions.
- (ii) Use both sides of the drawing sheet, if necessary.
- (iii) All dimensions are in millimeters.
- (iv) Missing and mismatching dimensions, if any, may be suitably assumed.
- (v) Follow the SP: 46 – 2003 revised codes. (with first angle method of projection)
- (vi) In question 2, hidden edges or lines are to be shown in views without section.

1. Sketch freehand the Front view and Top view of a 60° counter sunk flat head rivet of diameter 20mm, keeping its axis vertical. Give standard dimensions. 7
2. Figure shows the details of the parts of a FLANGE PIPE JOINT. Assemble these parts correctly, and then draw the following views using scale 1:1. 28
  - (i) Front view, top half in section.
  - (ii) Left side view.

Print the title and the scale used. Draw the projection symbol. Give 6 important dimensions.



DETAILS OF A FLANGED PIPE JOINT

End of the Question Paper