Code: 9A03303

B.Tech II Year I Semester (R09) Supplementary Examinations, May 2012

MACHINE DRAWING

(Mechanical Engineering)

Time: 4 hours   Max Marks: 70

All answer should be on the drawing sheet only

Answers on the drawing sheet only will be valued

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Section – I
(Answer any two)   2x4=08 M

1   Explain with the help of sketches:
   (a) Chain dimensioning.
   (b) Parallel dimensioning.

2   Sketch the conventional representation of any four materials.

3   Sketch the conventional representation of external and internal threads.

Section – II
(Answer any two)   2x10=20 M

4   Draw the sectional front view and top view of a double riveted lap joint (chain type). Take the
      diameter of rivet = 24 mm.

5   Draw the following thread forms:
   (a) Knuckle thread.
   (b) Acme thread.

6   Draw the sectional front view and top view of a bushed journal bearing.
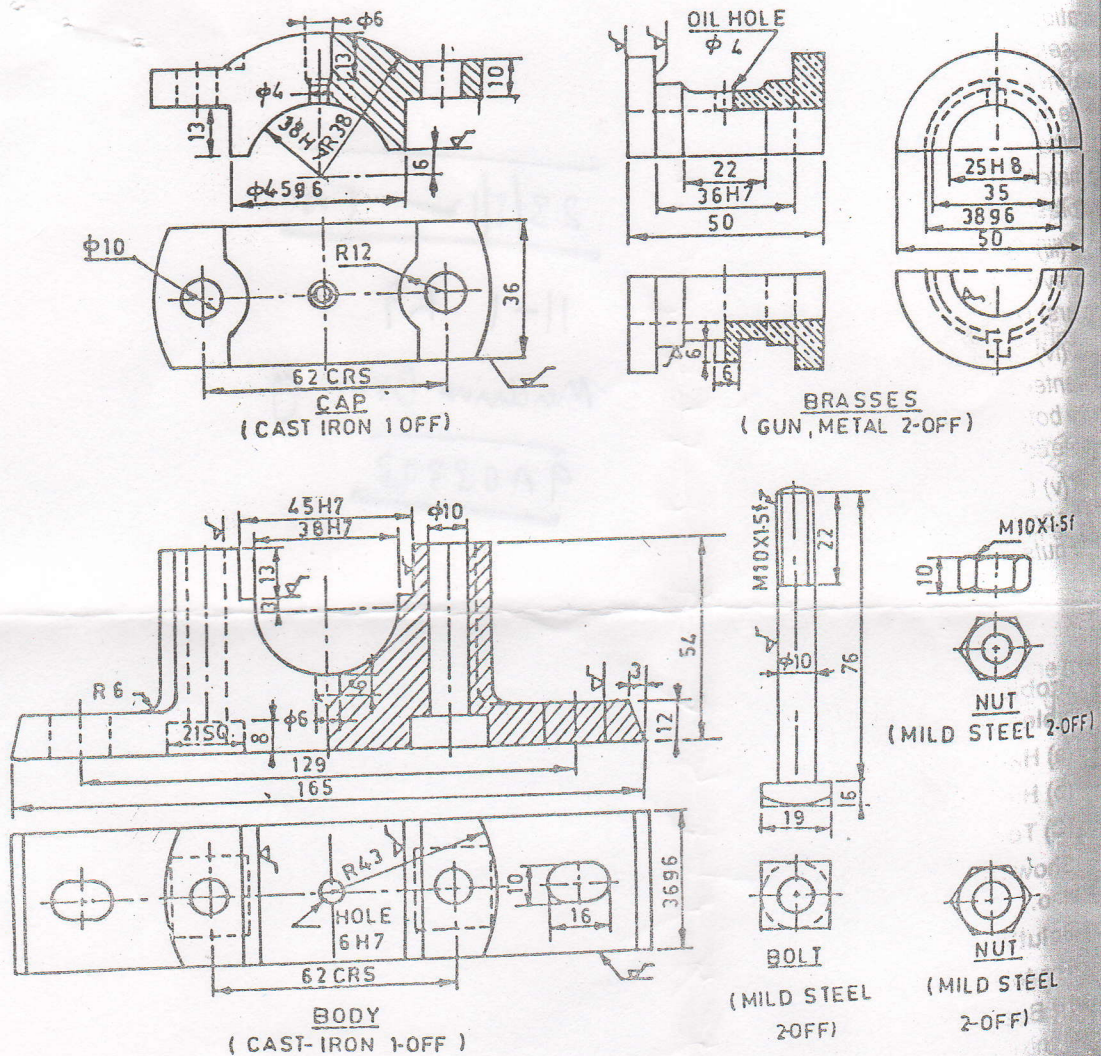
Section – III   1x42=42 M

7   Draw the following views of a plummer block suitable for supporting a shaft of diameter 50 mm.
   (a) Half sectional front view.
   (b) Top view.
        See figure in page number 2

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Details of Plummer block