

WINTER- 14 EXAMINATION

Subject Code: 17205

Subject : Engineering Drawing

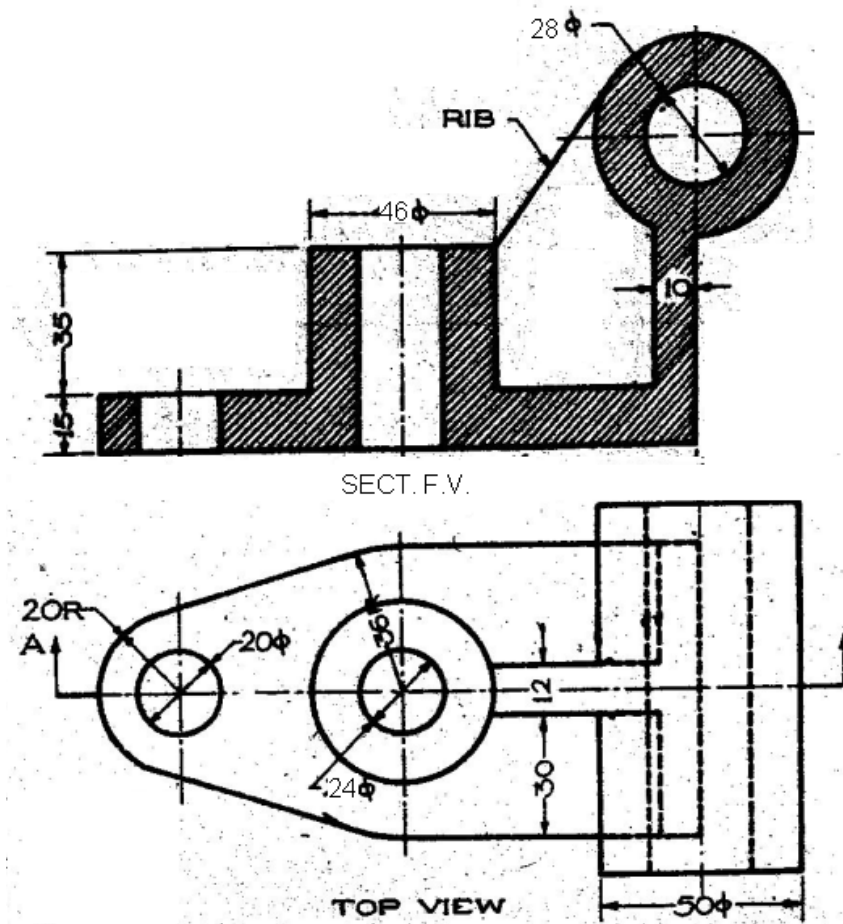
Model Answer

Important Instructions to examiners:

- 1) The answers should be examined by key words and not as word-to-word as given in the model answer scheme.
- 2) The model answer and the answer written by candidate may vary but the examiner may try to assess the understanding level of the candidate.
- 3) The language errors such as grammatical, spelling errors should not be given more Importance (Not applicable for subject English and Communication Skills).
- 4) While assessing figures, examiner may give credit for principal components indicated in the figure. The figures drawn by candidate and model answer may vary. The examiner may give credit for any equivalent figure drawn.
- 5) Credits may be given step wise for numerical problems. In some cases, the assumed constant values may vary and there may be some difference in the candidate's answers and model answer.
- 6) In case of some questions credit may be given by judgement on part of examiner of relevant answer based on candidate's understanding.
- 7) For programming language papers, credit may be given to any other program based on equivalent concept.

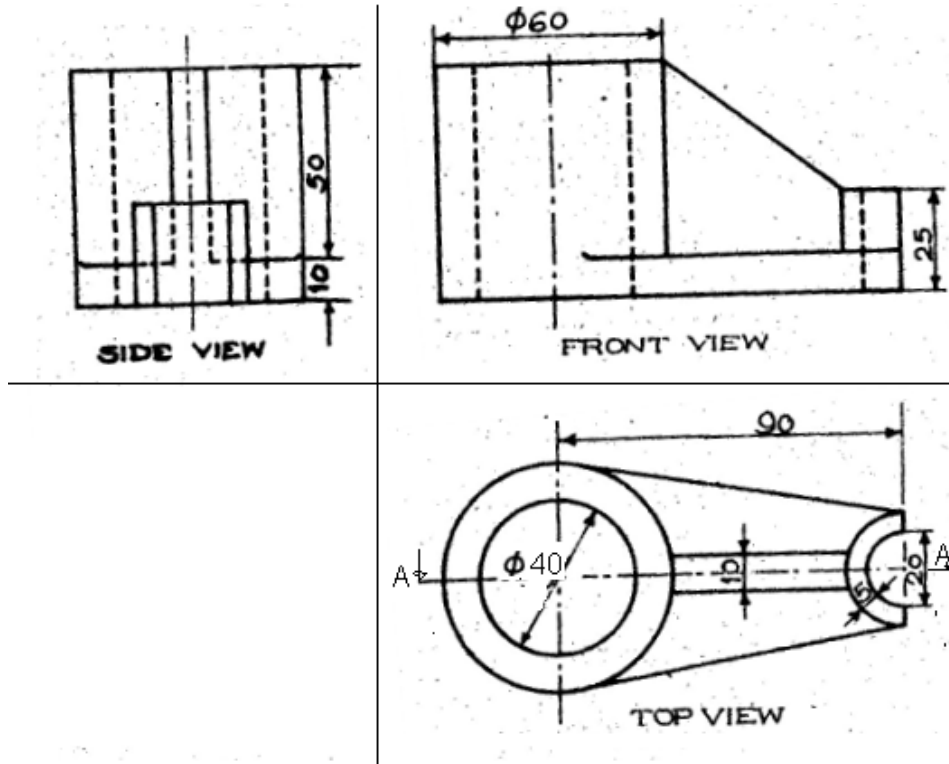
Q. 1 a)

SECTIONAL F. V. 06 MARKS and T.V. 04 MARKS

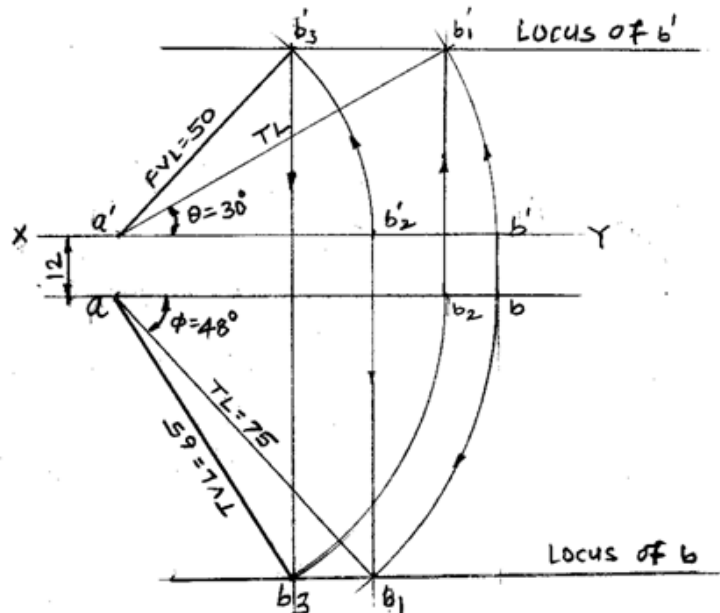


Q. 1 b) F. V. 02 MARKS, S.V. 04 MARKS and T.V. 04 MARKS

Draw sectional front view

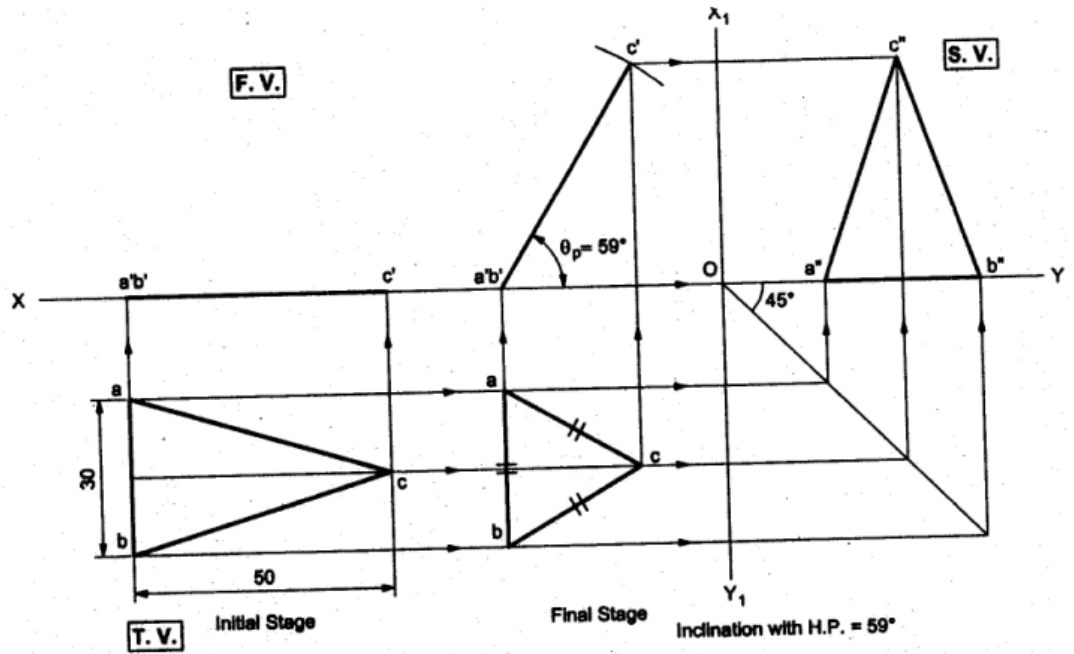


Q. 2 (a) Correct solution 06 marks and one mark each for angle determination



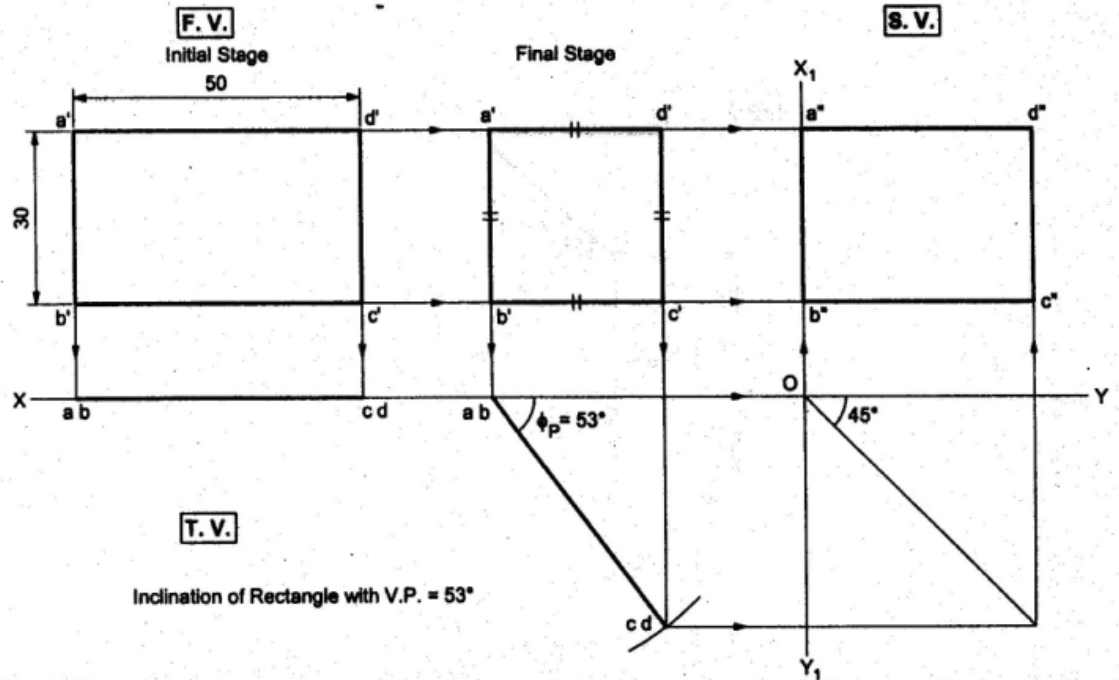
Q. 2(b) (i)

Initial stage 2 marks, final stage 6 marks



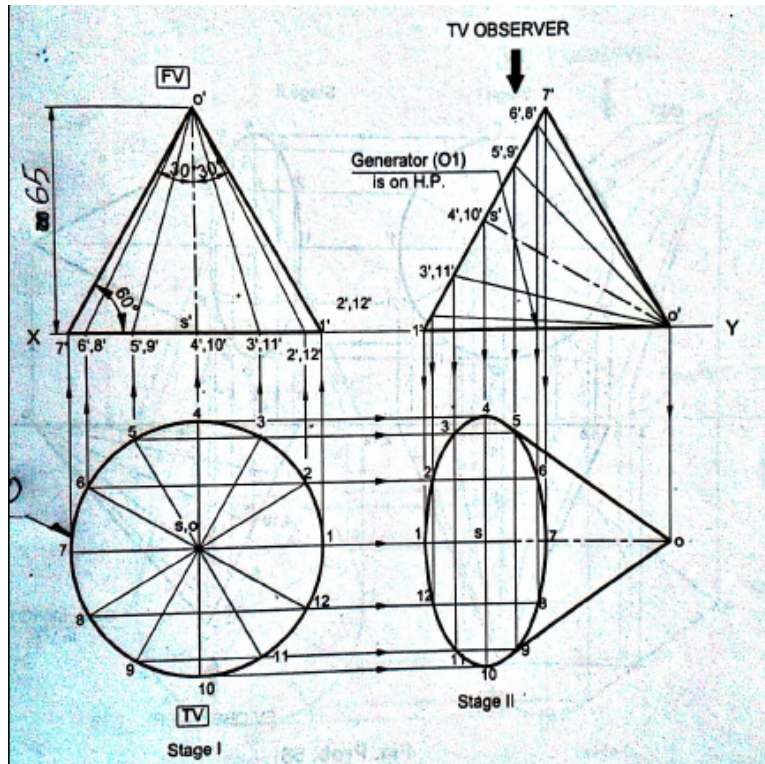
Q. 2 (b) (ii)

Initial stage 2 marks, final stage 6 marks



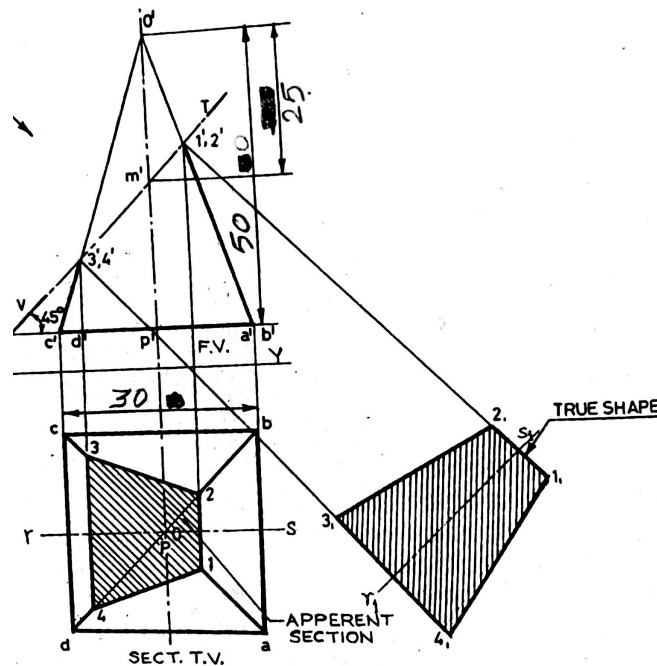
Q. 3 a)

Initial stage 2 marks, final stage 6 marks



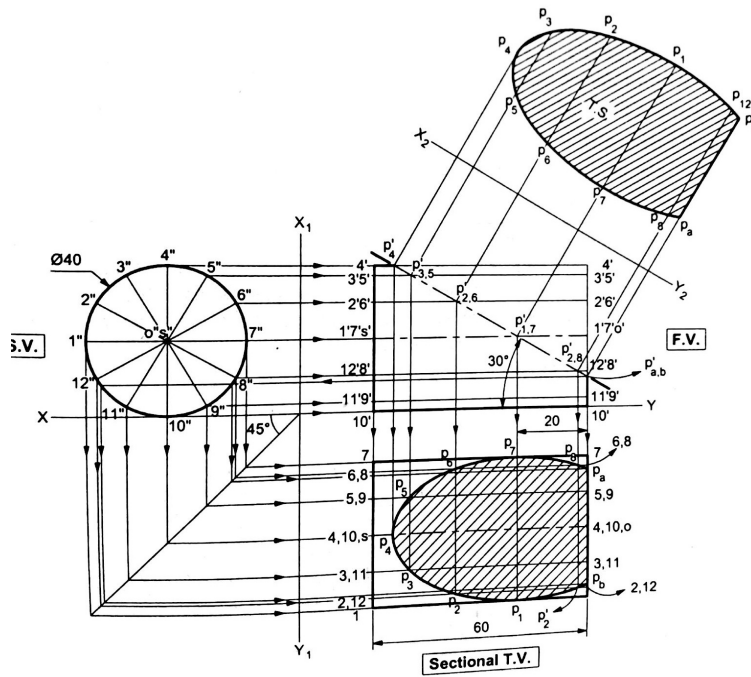
Q. 3 b)

FV 3 marks, STV 3 marks, true shape of section 2 marks.



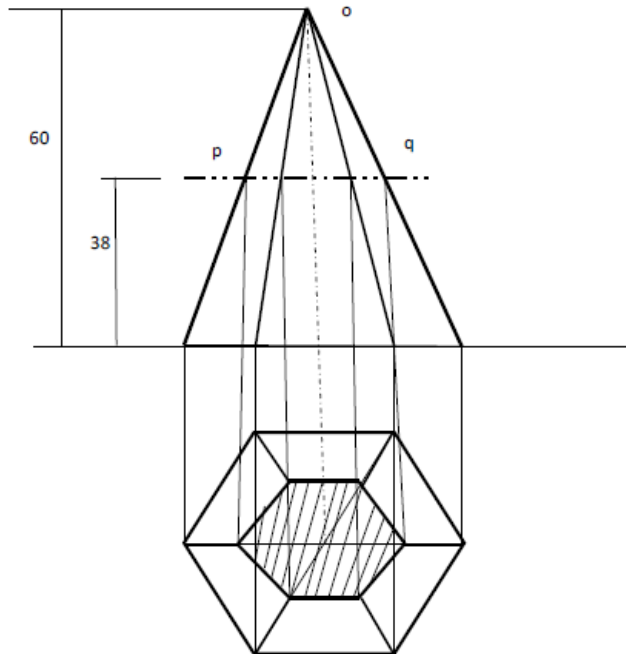
Q. 4 b)

FV 3 marks, STV 3 Marks, TSS 2 marks

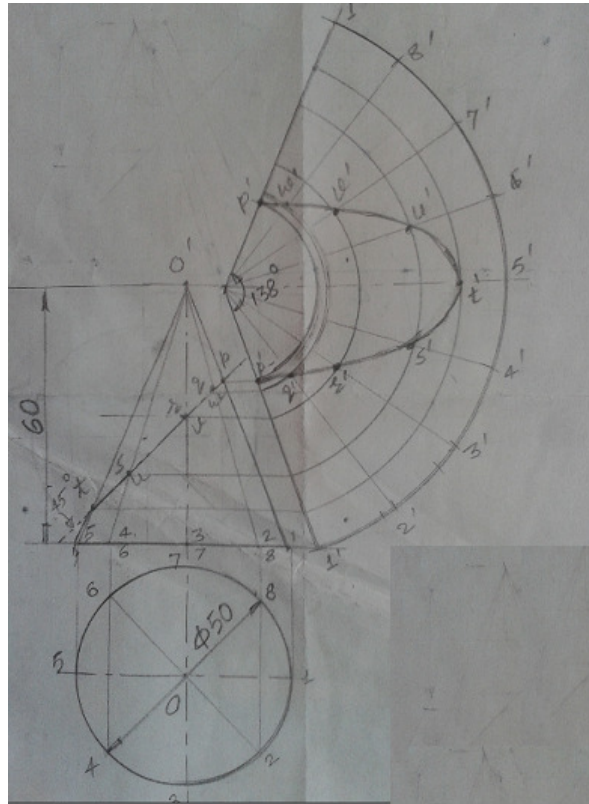


Q. 4 c)

Front view with location of cutting plane 4 marks, sectional top view 4 marks

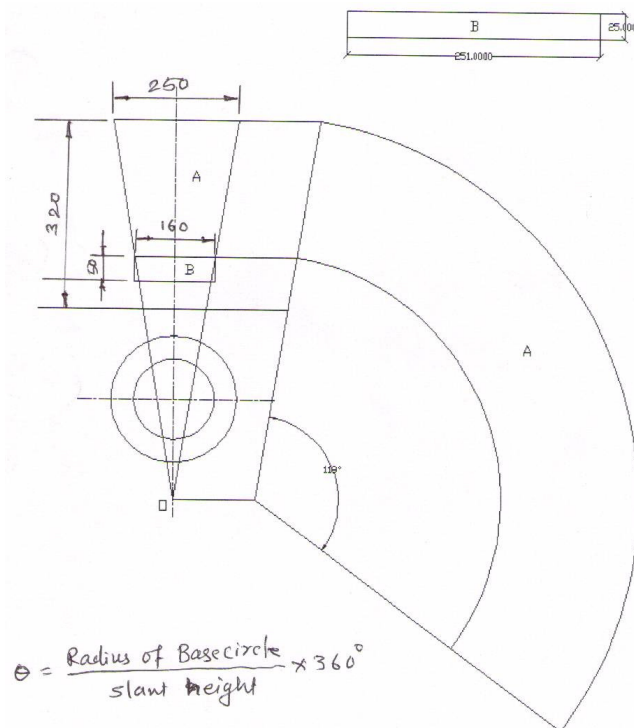


Q. 5 a) Top view 02 marks, F.V. 02 marks and development 04 marks



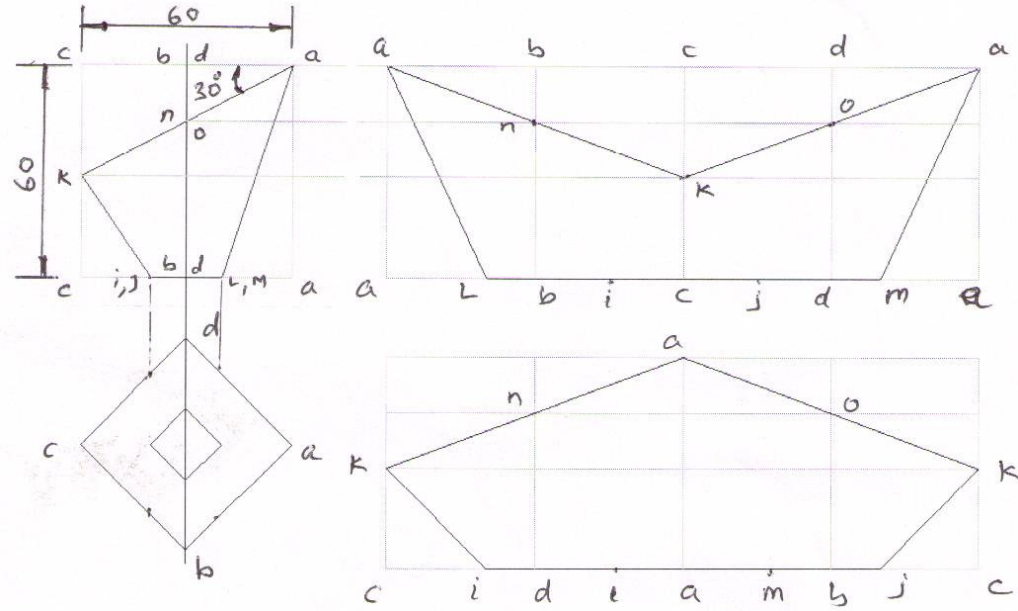
Q. 5 b)

Top view 02 marks, F.V. 02 marks and development 04 marks

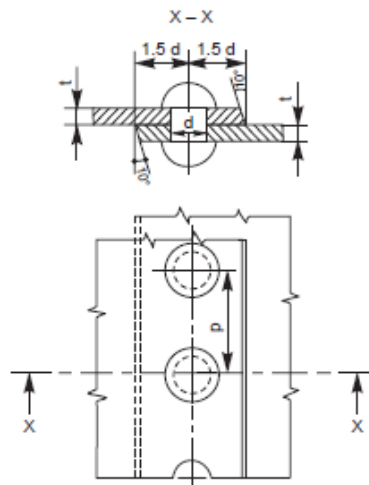


Q. 5 c) Top view 02 marks, F.V. 02 marks and development 04 marks

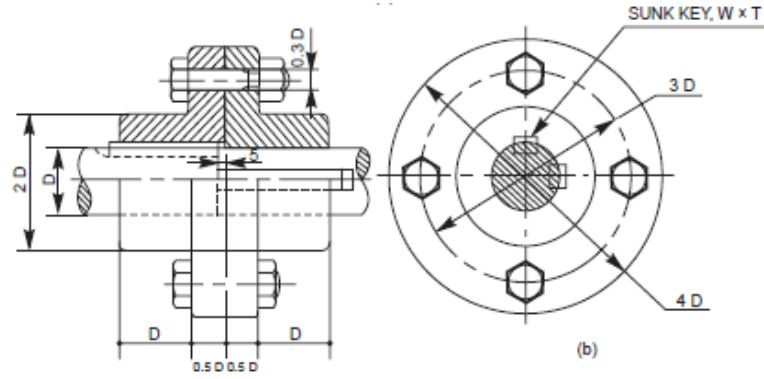
(Note:- alternate solution may be considered)



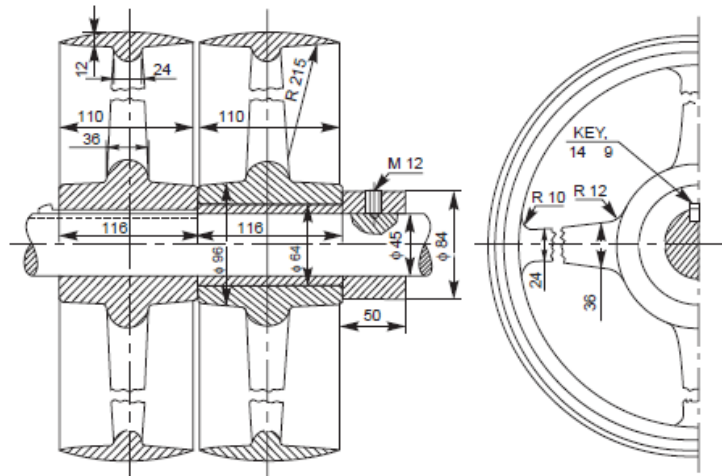
Q. 6 a) Single riveted lap joint 04 marks



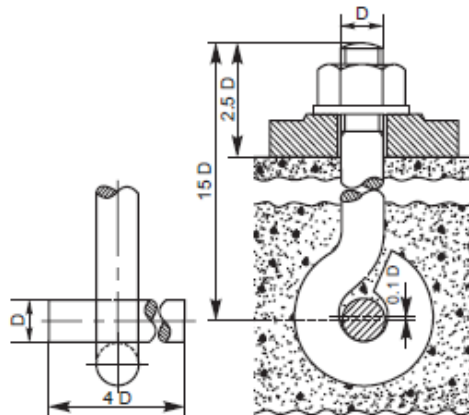
Q. 6 b) Flanged Coupling 04 marks



Q. 6 c) Fast and loose pulleys 04 marks



Q.6 d) Eye foundation bolt 04 marks





Q. 6 e) Hexagonal nut 04 marks

