

(Autonomous)

(ISO/IEC - 27001 - 2005 Certified)

MODEL ANSWER

SUMMER-18 EXAMINATION

Subject Title: MECHANICAL ENGG.DRAWING

Subject Code: 17305

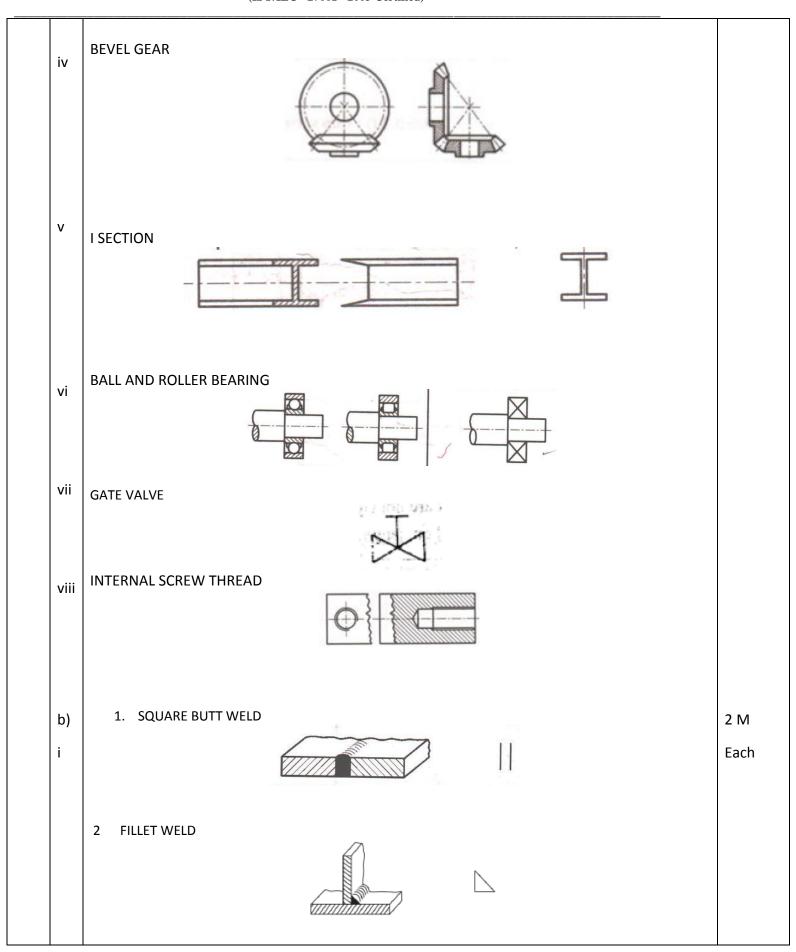
Important Instructions to examiners:

- 1) The answers should be examined by key words and not as word-to-word as given in the model answer
- 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. | Su | Answer | Marking |
|-----|-----|--|---------|
| No. | b | | Scheme |
| | Q. | | |
| | N. | | |
| 1 | Α | | |
| | i | (2 MARKS EACH) STEEL | 2M |
| | | | Each |
| | ii | DIAMOND KNURLING | |
| | iii | HELICAL SPRING WITH FLAT END | |
| | | The state of the s | |
| | | | |
| | | | |

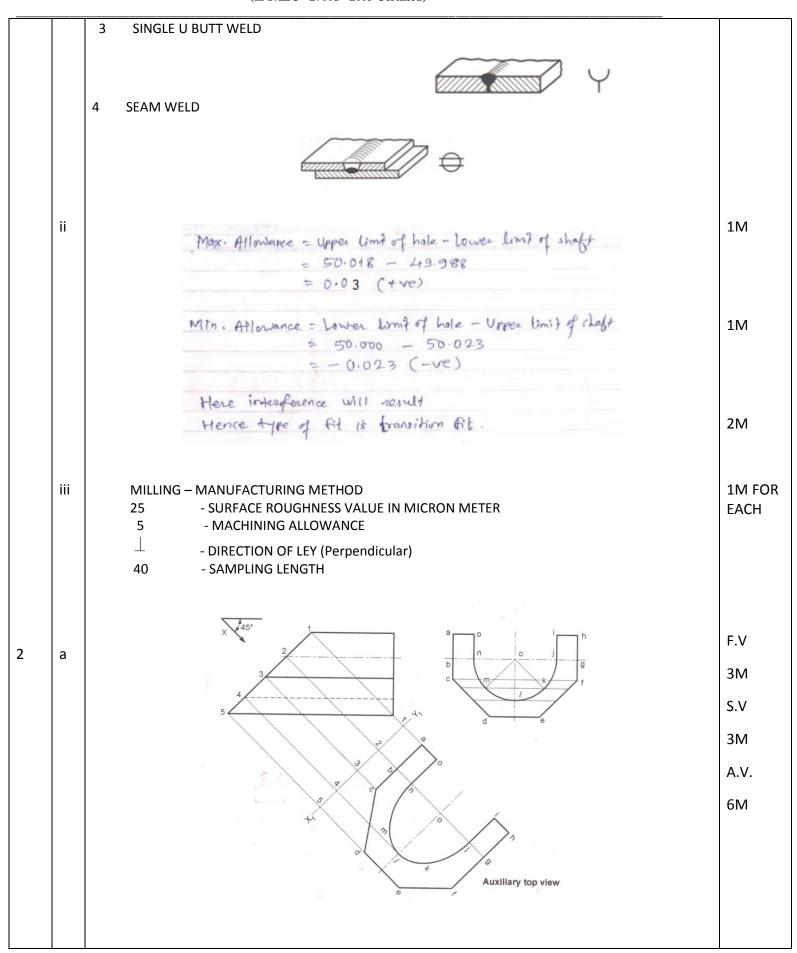


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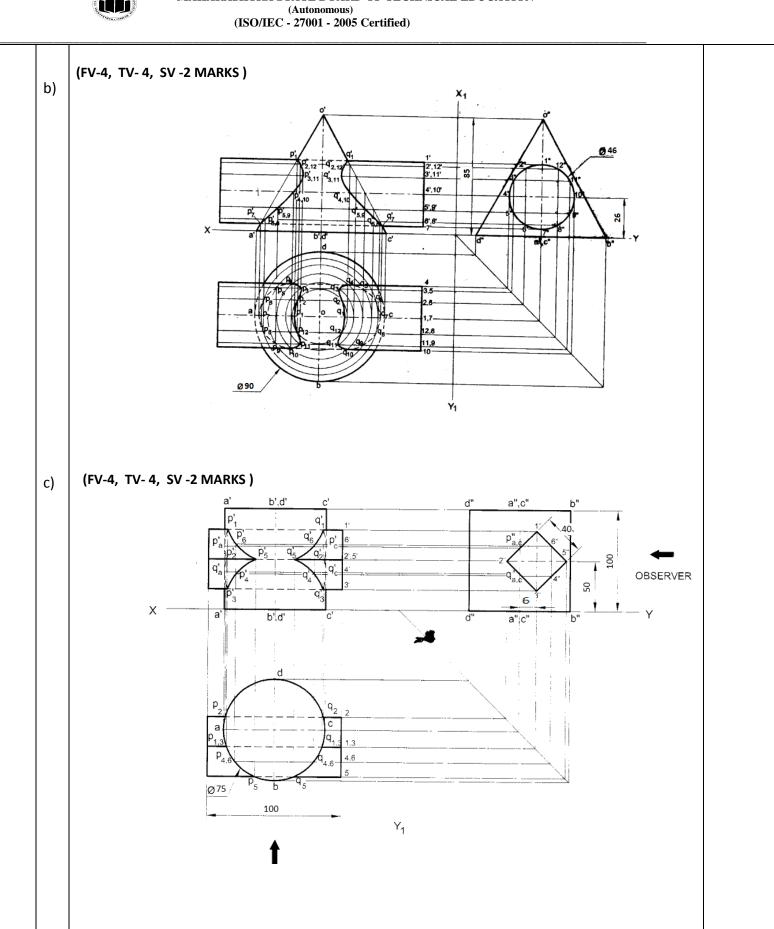
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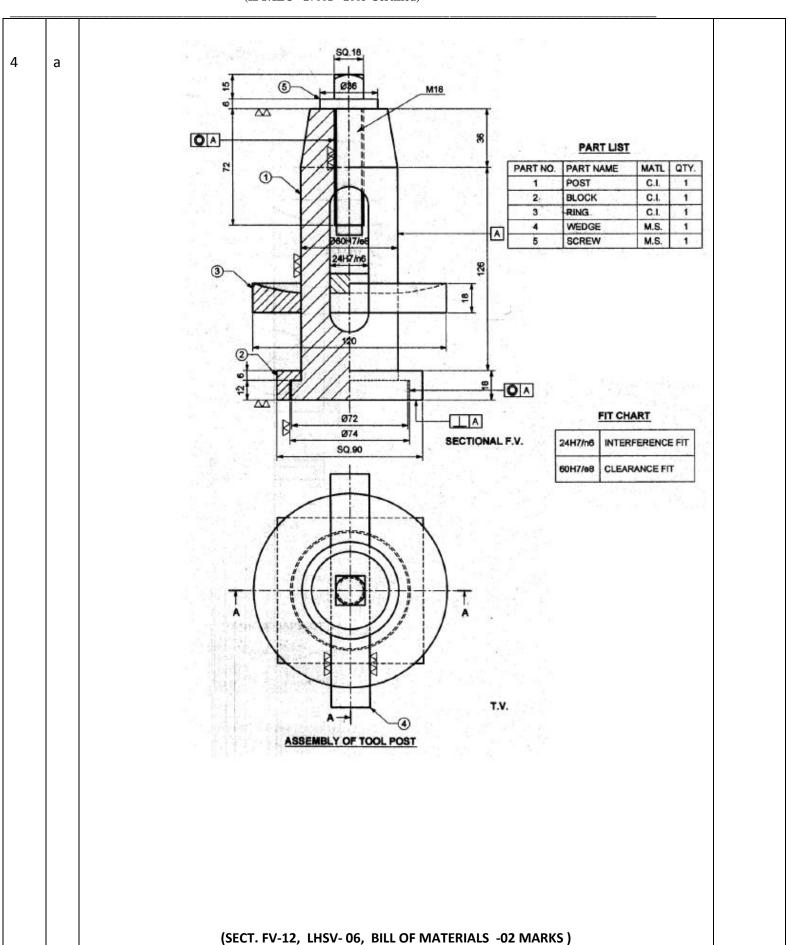
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i) X – The tolerance edge is parallel within 0.02 mm to the dutum line A 2 b 2M Y - The tolerance edge is perpendicular within 0.03 mm to the dutum line A EACH Double V Butt weld ii) VIEW 16 2M 60 SYMBOL 2M iii) a) CONCENTRICITY 1 M b) PARALLELISM **EACH** c) PERPENDICULARITY d)PROFILE OF AN SURFACE 3 (FV-4, TV-4, SV-2 MARKS) a) 100 100



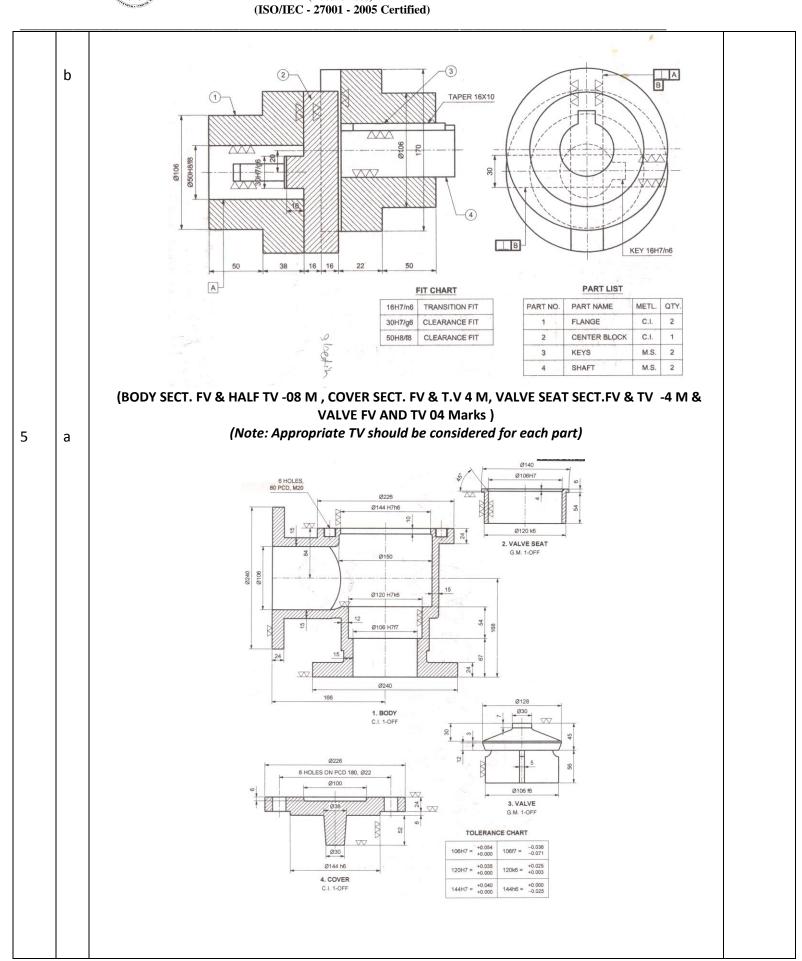
(SECT. FV-12, TV-06, BILL OF MATERIALS -02 MARKS)

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(BODY SECT. FV & TV -10 M , BUSH FV &SECT.T.V 6 M, DISC SECT.FV & TV -2 M & SHAFT 02 Marks) b SUNG 8 WIDE 15 φ\$0 6 R6 R60 φ78 φ65 φ50 PIN HOLE \$4,6 DEEP 200 3. SHAFT M.S. 1 - OFF 2. BUSH G.M. 1 - OFF φ50 15 1. BODY C.I. 1 - OFF 4. DISK G.M. 1 - OFF