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<b>CODE : 33VT MET (Pr-I)</b>
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**2026**

**Suggestive Question Paper for**

**MECHANICAL ENGINEERING TECHNOLOGY**

*( Material Science, Fabrication and Plumber Technology )*

**Practical Paper : I**

**Full Marks : 40**

**Pass Marks : 16**

**Time : 3 hours**

*Candidates shall note that each question will be bilingual, viz., in English/Assamese medium, for their ready reference. In case of any discrepancy or confusion in the medium/version, the English version will be considered as the authentic version.*

***The figures in the margin indicate full marks  
for the questions.***

<p><b>Note :</b> The question paper for 2026 Exam has to be prepared on this basis without repeating from the suggestive questions as far as practicable.</p>
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**PART-B**  
**( Practical Work )**

Perform the practical work of ***any one*** from Q. No. 1 to Q. No. 4.

1. Identify and distinguish different engineering materials given to you. Make a small write up based on your observation. 15
2. Fabricate the job by applying arc welding. Enlist the tools required and write down the procedure. 15
3. (a) Identify the PVC pipe fittings given to you. 5  
(b) Draw a simple layout diagram of PVC pipe installation for water supply purpose. 10
4. Remove the various accessories of pump given to you. Identify and list down the various accessories found. Check all the accessories carefully. Remove the damaged accessory or accessories. Now refix the accessories again. Check if the pump is working properly or not. 15
5. Written test. 5  
**N.B.** The external Examiner will have to set questions as per the practical work done by each individual candidate.
6. Viva voce 5

**PART-C**  
**( Project Work/Field Visit )**

7. Practical File/Student Portfolio 10
- 8 . Viva voce 5

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**2026**

**Suggestive Question Paper for**  
**MECHANICAL ENGINEERING TECHNOLOGY**  
*(Electrical and Mechanical Machine Technology)*

**Practical Paper : II**

**Full Marks : 40**

**Pass Marks : 16**

**Time : 3 hours**

*Candidates shall note that each question will be bilingual, viz., in English/Assamese medium, for their ready reference. In case of any discrepancy or confusion in the medium/version, the English version will be considered as the authentic version.*

***The figures in the margin indicate full marks  
for the questions.***

**Note :** The question paper for 2026 Exam has to be prepared on this basis without repeating from the suggestive questions as far as practicable.

*Contd.*

Perform **any one** practical work from Q.No. 1 to Q. No. 4.

1. (a) Prepare the job given to you in a Lathe machine. 10  
 (b) Prepare the list of tools and equipments required to carry out the given job in Question No. 1. 5
2. Dismantle the major parts of a water pump given to you. Check the conditions of each part and prepare a report and reassemble the parts. 15
3. Remove the fuel injector from the given engine, dismantle, clean, inspect and note down the condition of all parts. Reassemble the fuel injector and fit into engine. Test for fuel consumption. 15
4. (a) Perform to various alignment test of the drill machine given to you. 10  
 (b) Write the procedure and list the tools and equipments required for above test. 5
5. Written test. 5  
**N.B.** The external examiner will have to set questions for this test as per the respective practical work done by each individual candidate.
6. Viva voce 5

### PART-C

#### ( Project Work/Field Visit )

7. Practical File/Student Portfolio 10
- 8 . Viva voce 5