

Total No. of Printed Pages—3

**CODE : 33VT AETE (Pr-I)**

(EN)

**2026**

**Suggestive Question Paper for**

**AGRI ENGINEERING TECHNOLOGY**

**(*Plant Protection, Irrigation Equipment and Electric Motors*)**

**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.***

**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.*

1. Practical Examination :

Show how Sprayer/Duster are used to spray chemicals in crop field.

Identification, dismantling, assembling of various parts of motor. 15

2. Written Test :

Answer the following :  $1 \times 5 = 5$

(i) Give *one* diagnostic test for burnt out motor.

(ii) Name a pump for use in a deep tubewell.

(iii) Why is the pressure chamber provided in a Rocking sprayer ?

(iv) Two main components of a centrifugal pump.

(v) Best method for irrigating fruit trees under water scarcity condition.

3. Viva voce

5

**Project work/Field visit**

4. Practical File.

10

5. Viva voce.

5

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Total No. of Printed Pages—2

CODE : 33VT AETE (Pr-II)
(EN)

**2026**

**Suggestive Question Paper for**

**AGRI ENGINEERING TECHNOLOGY**

*(Post Harvest Machinery and Renewable Energy Gadget)*

**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.*

<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.
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*Contd.*

1. Practical Examination :

Identify the different parts and components of post harvest machineries like cleaner, grader and dryer given to you. Make necessary adjustment for their efficient use. Operate the above equipments to obtain the various function like cleaning, grading and drying of food grains.

15

2. Written Test.

(i) How are screens of cleaner cum grader machines selected ?

3

(ii) State the adjustment available in a Mechanical Drier.

1

(iii) Write *any two* precautionary measures while using a Dryers.

1

3. Viva voce.

5

( Project work/Field visit )

4. Practical File.

10

5. Viva voce.

5

*Contd.*