

CLASS : 10th (Secondary)

4279/4231

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MARKING INSTRUCTIONS AND MODEL ANSWERS

AGRICULTURE-PADDY-FARMING

National Skills Qualification Framework (NSQF)

Level - 2

(Only for Fresh/Re-appear Candidates)

उप-परीक्षक मूल्यांकन निर्देशों का ध्यानपूर्वक अवलोकन करके उत्तर-पुस्तिकाओं का मूल्यांकन करें। यदि परीक्षार्थी ने प्रश्न पूर्ण व सही हल किया है तो उसके पूर्ण अंक दें।

General Instructions :

- (i) Examiners are advised to go through the general as well as specific instructions before taking up evaluation of the answer-books.
- (ii) Instructions given in the marking scheme are to be followed strictly so that there may be uniformity in evaluation.
- (iii) Mistakes in the answers are to be underlined or encircled.
- (iv) Examiners need not hesitate in awarding full marks to the examinee if the answer/s is/are absolutely correct.
- (v) Examiners are requested to ensure that every answer is seriously and honestly gone through

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before it is awarded mark/s. It will ensure the authenticity as their evaluation and enhance the reputation of the Institution.

- (vi) A question having parts is to be evaluated and awarded partwise.*
 - (vii) If an examinee writes an acceptable answer which is not given in the marking scheme, he or she may be awarded marks only after consultation with the head-examiner.*
 - (viii) If an examinee attempts an extra question, that answer deserving higher award should be retained and the other scored out.*
 - (ix) Word limit wherever prescribed, if violated upto 10%. On both sides, may be ignored. If the violation exceeds 10%, 1 mark may be deducted.*
 - (x) Head-examiners will approve the standard of marking of the examiners under them only after ensuring the non-violation of the instructions given in the marking scheme.*
 - (xi) Head-examiners and examiners are once again requested and advised to ensure the authenticity of their evaluation by going through the answers seriously, sincerely and honestly. The advice, if not heeded to, will bring a bad name to them and the Institution.*
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महत्त्वपूर्ण निर्देश :

- (i) अंक-योजना का उद्देश्य मूल्यांकन को अधिकाधिक वस्तुनिष्ठ बनाना है। अंक-योजना में दिए गए उत्तर-बिन्दु अन्तिम नहीं हैं। ये सुझावात्मक एवं सांकेतिक हैं। यदि परीक्षार्थी ने इनसे भिन्न किन्तु उपयुक्त उत्तर दिए हैं, तो उसे उपयुक्त अंक दिए जाएँ।
- (ii) शुद्ध, सार्थक एवं सटीक उत्तरों को यथायोग्य अधिमान दिए जाएँ।
- (iii) परीक्षार्थी द्वारा अपेक्षा के अनुरूप सही उत्तर लिखने पर उसे पूर्णांक दिए जाएँ।
- (iv) वर्तनीगत अशुद्धियों एवं विषयांतर की स्थिति में अधिक अंक देकर प्रोत्साहित न करें।
- (v) भाषा-क्षमता एवं अभिव्यक्ति-कौशल पर ध्यान दिया जाए।
- (vi) मुख्य-परीक्षकों/उप-परीक्षकों को उत्तर पुस्तिकाओं का मूल्यांकन करने के लिए केवल Marking Instructions/ Guidelines दी जा रही है, यदि मूल्यांकन निर्देश में किसी प्रकार की त्रुटि हो, प्रश्न का उत्तर स्पष्ट न हो, मूल्यांकन निर्देश में दिए गए उत्तर से अलग कोई और भी उत्तर सही हो तो परीक्षक, मुख्य-परीक्षक से विचार-विमर्श करके उस प्रश्न का मूल्यांकन अपने विवेक अनुसार करें।

SECTION - A

- | | |
|--------|---|
| 1. (b) | 1 |
| 2. (d) | 1 |
| 3. (a) | 1 |

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4. (c)	1
5. (d)	1
6. (d)	1
7. (d)	1
8. (d)	1
9. (d)	1
10. (d)	1
11. Stanchion	1
12. 20	1
13. Biting and chewing	1
14. Naiad	1
15. Dippers	1
16. Contact	1
17. Panicle	1
18. Xanthomonae	1
19. Lepidoptera	1
20. Peletting	1
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- 21.** The sheath that envelops the radicle in certain plants & that is penetrated by the root in germination. 1
- 22.** Diseases that can be transmitted between animals and human. 1
- 23.** The application of fertilizers through pressurized irrigation system. 1
- 24.** Cyperus iria. 1

SECTION - B

- 25.** Phytochemicals : $\frac{1}{2} \times 4 = 2$
(i) Polyphenols
(ii) Flavonoids
(iii) Anthocyanin
(iv) Carotenoids
- 26.** Natural enemy of weed plants is used to control the weed. i. e. Pickly pear weed was controlled by cochineal insect. Weeds not eradicated but can be reduced to a great extent. 2
- 27.** Care before seed storage :
- (i) Rain water leakage or adequate drainage facility must be checked.
- (ii) Cleanliness of storage area must be checked.

- (iii) Storage area must be treated with pesticides.
 - (iv) Fire fighting arrangements must be checked. $\frac{1}{2} \times 4 = 2$
- 28.** (i) Parasitoid is an organism which completes its life on one host only & kills it.
- (ii) Example : Trichogramma, a wasp is parasitoid on Paddy stem borer. 2
- 29.** (i) Water is applied at a slow rate.
- (ii) Water is applied for a longer time.
- (iii) Water is applied at a fixed & frequent interval.
- (iv) Water is applied at a low pressure. $\frac{1}{2} \times 4 = 2$
- 30.** (i) Lack of interest in feed, drop in milk yield.
- (ii) Depression, head pressing, blindness & salivation.
- (iii) Fruity smell in breath.
- (iv) Hard or mucous coated dung. $\frac{1}{2} \times 4 = 2$

SECTION - C

- 31.** (i) Seed used for planting should be free from pests & diseases.

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- (ii) Seed infection may result in low germination of seed.
- (iii) Multiplication of infected disease lead in major yield loss or total crop failure. $1 \times 3 = 3$

32. Advantages of micro-irrigation :

- (i) Saves water
- (ii) Improve quality of food & increases yield.
- (iii) Reduce labour cost.
- (iv) Reduce salt conc in root zone & disease occurrence.
- (iv) Checks soil erosion
- (v) Fertilizer saving $\frac{1}{2} \times 6 = 3$

- 33.**
- (i) Cost of construction is lower as compared to conventional housing.
 - (ii) Possible to expand it without many changes.
 - (iii) Animals in heat are easily detected.
 - (iv) Animals get exercise, important for better health.
 - (v) Better management can be done at the farming. 3

- 34.**
- (i) The rice crop is sown in shortest possible time.

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- (ii) Weeding is done at low cost.
- (iii) Soil becomes soft which increases water holding capacity.
- (iv) It does not require a nursery preparation.
- (v) Less pest problems.
- (vi) Labour requirement is less so it reduces cost of cultivation. $6 \times \frac{1}{2} = 3$

SECTION - D

- 35.** See page No. **11** student's work book (level – 2)
Agriculture (Paddy farming). 5

OR

See page No. **30** student's work book (level – 2)
Agriculture (Paddy farming). 5

- 36.** See page No. **37** student's work book (level – 2)
Agriculture (Paddy farming). 5

OR

See Page No. **40-41** Student's work book
(level – 2) Agriculture (Paddy farming). 5

