

CLASS : 10th (Secondary)

1979/1931

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MARKING INSTRUCTIONS AND MODEL ANSWERS

AGRICULTURE PADDY FARMING

National Skills Qualification Framework (NSQF)

Level-2

(Only for Fresh 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.

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- (v) *Examiners are requested to ensure that every answer is seriously and honestly gone through 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.*

महत्त्वपूर्ण निर्देश :

- (i) अंक-योजना का उद्देश्य मूल्यांकन को अधिकाधिक वस्तुनिष्ठ बनाना है। अंक-योजना में दिए गए उत्तर-बिन्दु अंतिम 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 हैं, 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. (d)	1
2. (a)	1
3. (d)	1
4. Floret	1
5. Amino	1
6. 90%	1
7. 6-8 months	1
8. Rhizobium	1
9. Drippers	1
10. Skin	1
11. 100	1
12. Chicken	1
13. Coccidiosis	1
14. Parturient	1
15. (i) 18% N	1
(ii) 44-46% P_2O_5	

16. Coccidiosis 1
17. Brucellosis 1
18. (i) Zinc phosphide 1
(ii) Warfarin
19. Paul Muller 1
20. 0.5 to 1.0 kg/ cm² 1
21. It is pointed protective sheath covering emerging shoot in monocotyledons. 1
22. Process of grinding & thorough mixing of the feed constituting the mixture. 1
23. An index that describes how evenly or uniformly water is applied throughout the field. 1
24. Small, hard, dry seed with or without attached fruit layers, harvested for human or animal consumption. 1

SECTION – B

25. An important step before sowing. Seed used for planting should be free from pests & diseases. Seed infection may lead to low germination & major yield loss or total crop failure. 2

26. (i) Sowing of botanically unrelated crop plants in a seasonal sequence in the same field. 1
- (ii) It breaks the continuous availability of same host plant, so reduction of pest population.

1 × 2 = 2

27. A small pray pumps useful for spraying in houses & kitchen garden. One litre pesticide fluid is filled in the tank above which air pressure created with the help of built in pump.

2

28. It is due to deficiency of calcium or phosphorus or vitamin D. Characterized by weak, soft bones, swollen, tender, joints, enlarged bone ends, arched back & stiffness of the legs.

2

29. (i) Rice crop is sown in shortest possible time.
- (ii) Less pest problems, reduce cost of cultivation.
- (iii) Water holding capacity increases.
- (iv) Weeding is done at low cost. Does not require a nursery preparation.

30. (i) Good land preparation in order to kill any weed, which require the use of tractors to cultivate the soil.

- (ii) Plough the field & harrow the field, two cross ploughing are necessary. $1 \times 2 = 2$

SECTION – C

- 31.** (i) Before storage seeds should be dried to safe moisture limits. The area for storage should be dry & cool.
- (ii) Proper drainage arrangements should be done; storage time should be determined. 3
- 32.** Aerosol consists of minute particles of pesticides suspended in air as smoke, fog or mist. Toxic material is dissolved in petroleum solvent & then pressurized in a can by CO_2 or fluorocarbon. These are expensive. e.g. deltamethrin & pyrethrin. 3
- 33.** (i) Name of breed : murreh
- (ii) Distribution : Punjab, Delhi, Rajasthan, M. P. & U. P.
- (iii) Characteristic features : Jet black colour, short lightly curled horns & long tail with white switch, most efficient milk producer.
- $1 \times 3 = 3$
- 34.** (i) Improve soil fertility, soil st. & soil aeration
- (ii) Adds nutrients & organic matter

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- (iii) Increases water & nutrient holding capacity of soil conserves & recycles plant nutrient.
- (iv) Protect form soil erosion.
- (v) Good food for earthworm.
- (vi) Increases soils biodiversity of beneficial microbes.

SECTION – D

- 35.** See Page No. **19** Student's Workbook Level-2
Agriculture. 6

OR

See Page No. **23** Student's workbook Level-2
Agriculture.

- 36.** See Page No. **83** Student's Workbook Level-2
Agriculture. 6

OR

See Page No. **84/85** Student's Workbook Level-2
Agriculture.



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