

**CLASS : 10th (Secondary)**

**4263/4213**

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**MARKING INSTRUCTIONS AND MODEL ANSWERS**

**कृषि**

**AGRICULTURE**

*(Academic/ Open)*

*(Only for Fresh/Re-appear Candidates)*

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*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।*

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

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- (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 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 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।

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**Note :** Attempt any **three** questions from 1st **four** questions each carries **four** marks.

1. Gram is pulse crop, yes it is pulse crop, C-235, Haryana Gram No. 1, Haryana Gram No. 3, Haryana Gram No. 5 are some varieties sowing time is mid of October when Temp. in Average is 30°C seed rate 15-18 Kg/Acre in case of Haryana Gram-3 seed rate should be 30-32 Kg/Acre as its seed is bigger than others.

2. Sarson is main crop of Dry Land area of Haryana, It is a oil seed crop. Main varieties are RH-30, T-59 (Varuna), RH-8113 (Saurabh), RB-50, RH-8812 (Laxmi), RH-781, RH-819 sowing time 25 September to 10 October in case of RAYA it should be sowing between 30th September to 20 October seed rate per Acre 1.25 Kg in irrigated and 2 Kg in unirrigated.
3. Wheat, Gram, Berseem and Barley are Rabi crops while Bajra, Paddy, Gawar and Jawar are Kharif crops.
4. Balwan, Sonalika, HMT, Messey Ferguson, Eicher, Johandear Mohindra, Indofarm, farm track, power track are some Brands of Tractor used by farmers in Haryana.
5. (i) Allahabad Safeda, Banarasi Surkha, Hissar Safeda are some varieties. It gives fruits twice a year and fruiting period is July-August and November to January. Good quality fruits we got in November to January.  
(ii) Papaya cultivation can be done in Dry and Semi Dry zones two varieties are Wasigaton, Kurag Hunni, Pusa delicious and Pusa dwarf are some varieties. Sandy-loam soils are best for papaya cultivation.

- (iii) Dry farming are agricultural techniques for non-irrigated cultivation of crops. Dry land farming is associated with dry lands, which are dry areas characterized by a cool wet season followed by a warm dry season. Dry farming may be practiced in areas that have significant rainfall during a wet season, often the winter crops are cultivated subsequent dry season, using practices that make use of the stored moisture in the soil.
- (iv) **Irrigation** : Irrigation is the process whereby water is applied artificially to the soil in order to supplement insufficient rainfall while, *Drainage* is the process involved in the removal of excess water in the soil.
- (v) Methods adopted in Haryana State are :
- (a) Surface irrigation
  - (b) Drip irrigation
  - (c) Sprinkler irrigation
- (vi) There are three main sources of irrigation :
- (a) Canals
  - (b) Wells
  - (c) Tubewells

- (vii) "Subsistence Agriculture is a self-sufficiency farming system in which the farmer focus on growing enough food to feed themselves and their entire families. The output is mostly for local requirements with little or no surplus trade."
6. (i) Any unwanted plant other than main crop is known as weed.
- (ii) Harvesting machine which are now common is combine harvester.
- (iii) Pumpkin, Bitter Gourd, cucumber and apple gourd are some vegetables which are known as vine-vegetables.
- (iv) Jaya, PR-106, HKR-126 and IR-64 are some paddy varieties.
- (v) Wheat and Barley are two Rabi cereals.
- (vi) Sarson, Toria and Raya are the oilseed crops.
- (vii) Now Agriculture Department is knows as Agriculture and Kissan Kalyan Department in Haryana.

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(viii) Berseem, Oat and Methi are some fodder crop.

(ix) Potato is known as king of vegetables.

(x) Now a days Haryana Agriculture University is known as Ch. Charan Singh Haryana Agriculture University and it is situated at Hissar.

7. (i) Right

(ii) Right

(iii) Right

(iv) Right

(v) Right

(vi) Wrong

(vii) Right

(viii) Right

(ix) Wrong

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(x) Right

(xi) Right

(xii) Right

(xiii) Right

