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FOR HARYANA CLASS 10 PREPARATION

HBSE Class 10 Syllabus 2027 Agriculture

EXAM	YEAR	TYPE	SUBJECT
Haryana Class 10	2027	Syllabus	Agriculture

BOARD OF SCHOOL EDUCATION HARYANA

Syllabus and Chapter wise division of Marks (2026-27)

Class: 10th Subject: Agriculture Code: 029

General Instructions:

1. There will be an Annual Examination based on the entire syllabus.
2. The Annual Examination will be of 60 marks, Practical Examination will be of 20 marks and 20 marks weightage shall be for Internal Assessment.
3. For Practical Examination:

   i) Two experiments of 6 marks each.

   ii) One activity of 3 marks.

   iii) Practical record of 2 marks.

   iv) Viva-voce of 3 marks.

4. For Internal Assessment:

   There will be Periodic Assessment that would include:

   i) For 4 marks- Two SAT exams will be conducted and will have a weightage of 04 marks towards the final Internal Assessment.

   ii) For 2 marks- One half yearly exam will be conducted and will have a weightage of 02 marks towards the final Internal Assessment.

   iii) For 2 marks- One pre-board exam will be conducted and will have a weightage of 02 marks towards the final Internal Assessment

   iv) For 2 marks- Subject teacher will assess and give maximum 02 marks for CRP (Classroom participation).

   v) For 5 marks- A project work to be done by students and will have a weightage of 05 marks towards the final Internal Assessment.

   vi) For 5 marks- Attendance of student will be awarded 05 marks as:
   75% to 80% - 01 mark

   Above 80% to 85% - 02 marks

   Above 85% to 90% - 03 marks

   Above 90% to 95% - 04 marks

   Above 95% to 100% - 05 marks

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Course Structure (2026-27)

Class: 10th **Subject: Agriculture** **Code: 029**

Sr. no.	Chapter	Marks
1	Kharif crops	10
2	Rabi Crops	08
3	Vegetable crops	10
4	Dry Farming	06
5	Irrigation Drainage	08
6	Agriculture Implements	12
	Subsistence Agriculture	06
Total		60
Practical Examination		20
Internal assessment		20
Grand Total		**100**

Chapter 1: Kharif crops

Study of following crops and their important varieties with respect to their climatic and soil requirement, area, preparation of seedbed, time of sowing, seed rate, manurial requirement, spacing, weeding, important pest diseases, harvesting, thrashing and yield etc. Rice, maize, sorghum, sorghum fodder, bajra, Moong, arhar, sunflower, groundnut, sesame Cotton and sugarcane.

Chapter 2: Rabi Crops

Study of following crops and their important varieties with respect to their climatic and soil requirement, area, preparation of seedbed, time of sowing, seed rate, manurial requirements, spacing, weeding, important pest diseases, harvesting, thrashing and yield etc. Wheat, Oat, Barley, Chickpea, Lentil, Rapeseed Mustard and Berseem.

Chapter 3: Vegetable crops

Study of following crops and their important varieties with respect to their climatic and soil requirement, area, preparation of seedbed, time of sowing, seed rate, manurial requirements, spacing, weeding, important pest diseases, harvesting, thrashing and yield etc. Tomato, brinjal, chili okra, bottle gourd, bitter gourd, radish, carrot, Potato, cauliflower, cabbage,spinach, onion and garlic.

Chapter 4: Dryland Farming

Definition, concept, classification and characteristics of dryland farming, dryland versus rainfed farming, constraints limiting crop production in dryland areas. Water shed management, Water harvesting, Selection of suitable crops, crop rotations and crop mixtures for various categories of dry land areas. Critical stages of life saving irrigation.

Chapter 5: Irrigation and drainage

Importance and role of water in crop production, water stress and its effect on crop growth, irrigation: definition, source of irrigation, Scheduling and methods of irrigation, prevention of water losses and water use efficiency, Drainage and methods of drainage, adverse effect of water logging on soil and crop growth; irrigation strategies under limited water conditions; micro/pressure irrigation: sprinkler, drip irrigation.

Chapter 6: Agriculture implements

Farm power machinery- advantages and disadvantages, Tillage - primary and secondary tillage, M.B. plough – functions, Harrows – types and functions, functions of cultivator and rotavator, Sowing equipment - seed cum fertilizer drills – types and functions, Paddy trans planters, Plant protection equipment – types of sprayers. Harvesting and threshing equipments.

Chapter 7: Subsistence agriculture

Subsistence agriculture- definition, nature, characteristics, merits and demerits. Methods of cultivation of subsistence agriculture, Importance of subsistence agriculture in Haryana**.**

Practicals:

1. Identification of kharif crops and preparation of herbarium.
2. Identification of rabi crops and preparation of herbarium.
3. Identification of vegetable crops and preparation of herbarium.
4. Collection and identification of seeds of different crops.
5. Studies on different mulching material.
6. Visit to rainfed research station/ watershed.
7. Identification of different farm implements and their uses.

Month wise Syllabus Teaching Plan (2026-27)

Class: 10th **Subject: Agriculture** **Code: 029**

Month	Subject- content	Teaching Periods	Revision Periods	Practical work
April	Chapter 1: Kharif crops: Up to moong Preparation: Identification of kharif crops and preparation of herbarium.	12	05	3
May	Chapter 1: Kharif crops: Arhar to sugarcane	12	5	
June	**Summer vacation (Project Work & Assignments)**			
July	Chapter 2: Rabi Crops Practical: Identification of rabi crops and preparation of herbarium.	12	5	2

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August	Chapter 4: Dryland Farming **Practical:** Studies on different mulching material. Visit to rainfed research station/ watershed.	12	5	 **2** **2**
September	Revision **Half Yearly Exam**		12	
October	Chapter 5: Irrigation and drainage	12	5	
November	Chapter 2: Vegetable Crops Practical: Identification of vegetable crops and preparation of Herbarium.	12	5	 **3**
December	Chapter 6: Agriculture implements. **Practical:** Identification of different farm implements and their uses.	12	5	 **3**
January	**Chapter 7:** Subsistence agriculture	15	5	

February	Revision Annual Practical Exam		10	
March	Annual Examination			

Note: Subject teachers are advised to direct the students to prepare notebook of the Terminology/ Definitional words used in the chapters for enhancement of vocabulary or clarity of the concept.

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Question Paper Design (2026-27)

Class: 10th **Subject: Agriculture** **Code: 029**

Time :- 2:30 hours

Competencies	Marks	Percentage
Knowledge	24	40%
Understanding	18	30%
Application	12	20%
Skill	6	10%
Total	**60**	**100%**

Type of Question	Marks	Number	Description	Total Marks
Objective Questions	1	15	6 Multiple Choice Questions, 3 Fill in the Blanks Questions, 3 One Word Answer Type Questions, 3 Assertion-Reason Questions	15
Very Short Answer Type Question	2	6	Internal choice will be given in any 2 questions	12
Short Answer Type Question	3	6	Internal choice will be given in any 2 questions	18
Essay Answer Type Question	5	3	Internal options will be given in all the questions	15
Total		30		60

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