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FOR HARYANA CLASS 9 PREPARATION

HBSE Class 9 Sample Paper 2027 Agriculture

EXAM	YEAR	TYPE	SUBJECT
Haryana Class 9	2027	Sample Paper	Agriculture

MODEL QUESTION PAPER (2026–27)

Class: IX
Subject: Agriculture (Code 029)

Time: 2 Hours 30 Minutes Maximum Marks: 60

General Instructions:

1. All questions are compulsory.
2. Internal choices are provided where indicated.
3. Draw neat diagrams wherever necessary.

SECTION A – OBJECTIVE QUESTIONS (15 × 1 = 15 Marks)

I. Multiple Choice Questions (Choose the correct answer)

1. Vermicompost is prepared with the help of:

   a) Bacteria

   b) Earthworms

   c) Fungi

   d) Algae

2. Mango is propagated mainly through:
   a) Seed
   b) Cutting
   c) Grafting
   d) Layering
3. Which branch of agriculture deals with field crop production?

   a) Horticulture

   b) Agronomy

   c) Forestry

   d) Floriculture

4. Zero tillage means:

   a) Deep ploughing

   b) No ploughing before sowing

   c) Puddling

   d) Levelling

5. Which gas is present in the highest percentage in the atmosphere?
   a) Oxygen
   b) Carbon dioxide
   c) Nitrogen
   d) Hydrogen
6. Soil pH indicates:
   a) Soil texture
   b) Soil moisture
   c) Soil acidity or alkalinity
   d) Soil fertility

II. Fill in the Blanks

7. _____ is known as the Father of Green Revolution in India.
8. The process of water droplets forming on cool surfaces is called _____.
9. _____ nutrient deficiency causes yellowing of leaves.

III. One Word Answer

10. Name the instrument used to measure rainfall.
11. Name the upper layer of soil rich in humus.
12. Name the part of a flower that develops into a fruit.

IV. Assertion–Reason

13. Assertion: Soil testing helps in proper fertilizer application.
    Reason: It determines nutrient availability in soil.
    a) Both A and R are true and R is the correct explanation.
    b) Both A and R are true but R is not the correct explanation.
    c) A is true but R is false.
    d) A is false but R is true.
14. Assertion: Organic manures improve soil structure.
    Reason: They increase organic matter in soil.
    a) Both A and R are true and R is the correct explanation.
    b) Both A and R are true but R is not the correct explanation.
    c) A is true but R is false.
    d) A is false but R is true.
15. Assertion: Fruits are important in human nutrition.
    Reason: Fruits are rich sources of vitamins and minerals.
    a) Both A and R are true and R is the correct explanation.
    b) Both A and R are true but R is not the correct explanation.

c) A is true but R is false.
d) A is false but R is true.

SECTION B – VERY SHORT ANSWER QUESTIONS (6 × 2 = 12 Marks)

16. Define agriculture and agronomy.
17. Differentiate between soil and land.
18. What is humidity? Mention any one effect of humidity.
19. State any two functions of roots.
20. Write any two advantages of organic manure.
21. (OR)
    Name any two major fruit crops grown in India.

SECTION C – SHORT ANSWER QUESTIONS (6 × 3 = 18 Marks)

22. Explain any three types of farming.
23. Describe the process of soil formation.
24. Write a short note on soil fertility and productivity.
25. Explain three methods of fertilizer application.
26. Distinguish between racemose and cymose inflorescence.
27. (OR)
    Explain the layout of an orchard.

SECTION D – LONG ANSWER QUESTIONS (3 × 5 = 15 Marks)

28. Explain the composition of atmosphere and discuss atmospheric weather variables.

OR

Describe atmospheric pressure and different types of winds.

29. Discuss essential plant nutrients and explain deficiency symptoms of any three nutrients.

OR

Explain soil pH, soil acidity and soil alkalinity.

30. Describe the cultivation practices of mango and guava along with important pests and diseases.

OR

Explain the importance of fruits and describe irrigation and fertilization requirements in fruit crops.