# Model Paper

## Agriculture Sciences Grade-10

### OBJECTIVE

**Total Marks: 10** **Time Allowed: 15 Mins**

**Q. 1: Choose the correct option.** **(1 × 10 = 10)**

i. The scion in grafting refers to

a. The root portion b. The upper shoot portion

c. The soil medium d. The flowering part only

ii. Ginger is propagated commercially through

a. Seeds b. Offsets c. Rhizomes d. Cuttings

iii. Pre- basic seed is also known as

a. Approved seed b. Breeder seed or nucleus seed

c. Certified seed d. Farm saved seed

iv. Which staple crops of Pakistan depend most on efficient storage?

a. Wheat and rice b. Cotton and sugarcane

c. Fruits and vegetables d. Oilseeds and pulses

v. Blossom end rot in tomato is due to deficiency of

a. Zinc b. Calcium c. Boron d. Potassium

vi. Soil pH strongly affects nutrient

a. Uptake only b. Solubility and availability

c. Storage in plants d. None of these

vii. The correct spacing for tomato plants in kitchen gardening is

a. 30×30cm b. 60×45cm c. 45×45cm d. 90×60cm

viii. Which nutrient primarily promotes vegetative growth in plants?

a. Phosphorus b. Potassium

c. Nitrogen d. Calcium

ix. Which machine is used for drying grains

a. Winnower b. Grain dryer c. Reaper-binder d. Sub-soiler

x. The disc harrow is mainly used for:

a. Deep ploughing b. Clod breaking and soil pulverization

c. Harvesting rice d. Irrigation

# Model Paper

## Agriculture Sciences Grade-10

### SUBJECTIVE

**Total Marks: 30** **Time Allowed: 1:45 Hrs.**

### Part - II

**Q. 2: Write the answers to any four (04) short questions.** **(2 × 4 = 8)**

i. Name any two tropical and two temperate fruits.

ii. Define fruit Botanically and Horticulturally.

iii. List three medicinal plants and the parts used from each.

iv. Write five characteristics of good seed.

v. what role does fumigation play in stored grain management?

vi. Name any three modern grain storage methods?

**Q. 3: Write the answers to any four (04) short questions.** **(2 × 4 = 8)**

i. Name any four synthetic fertilizers.

ii. List four primary tillage implements?

iii. What are the main uses of a laser land leveler

iv. Name five summer and five winter vegetables suitable for kitchen gardening?

v. List three advantages of using organic manure in soil management.

vi. Give two maturity indices for harvesting root vegetables and fruiting vegetables?

### Part - III

Note: Attempt any two (02) long questions

**Q. 4:** Explain the effect of Rootstock on the growth, adaptability and yield of fruit plants. (07)

**Q. 5:** Discuss the major quantitative and qualitative losses during grain storage. (07)

**Q. 6:** Explain the layout system, seasonal rotation and container gardening for continuous vegetable supply in limited spaces. (07)