MODEL PAPER AGRICULTURE SCIENCES GRADE-9

OBJECTIVE TYPE

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

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

i. Which of the following is a major constraint in Pakistani agriculture?

(a) Excessive rainfall (b) Water scarcity

(c) Over-irrigation (d) Lack of labor

ii. Which crop is known for adding nitrogen to the soil?

(a) Wheat (b) Rice

(c) Legumes (e.g., beans peas) (d) Cron

iii. Which crop is grown during the kharif season?

(a) Wheat (b) Barley

(c) Rice (d) Mustard

iv. What is the main benefit of intercropping?

(a) Increase soil erosion (b) Reduces biodiversity

(c) Requires less labor (d) Optimizes resource use and reduces

v. What is the role of afforestation in watershed management?

(a) Increase soil erosion (b) Reduce groundwater recharge

(c) Stabilize soil and improve water retention (d) Promote desertification

vi. Which of the following is a mechanical method to control soil erosion?

(a) Mulching (b) Terracing

(c) Crop rotation (d) Agroforestry

vii. What is the main purpose of agroforestry?

(a) To grow only trees for timber

(b) To combine trees, crops, and livestock for sustainable farming

(c) To replace all crops with trees

(d) To focus only on livestock farming

viii. Which of the following is a problem in animal marketing?

(a) High demand for livestock products (b) Dominance of middlemen

(c) Excessive use of modern technology (d) Overproduction of fodder

ix. Which dairy product is made by fermenting milk?

(a) Butter (b) Cheese

(c) Yogurt (d) Ghee

x. Which of the following is a fancy bird?

(a) Broiler Chicken (b) Silkie chicken

(c) Layer hen (d) Turkey

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

SUBJECTIVE TYPE

Part - II

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

i. What is the role of poultry farming in Pakistan's economy?

ii. What is crop rotation, and why is it important?

iii. Why cotton is called "white gold"?

iv. What is the role of market demand in determining cropping patterns?

v. What is soil degradation?

vi. How does contour farming help in soil and water conservation?

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

i. What is the significance of contour plowing in soil conservation?

ii. What is the purpose of riparian buffers in agroforestry?

iii. How does climate change affect fodder availability?

iv. What are the benefits of value addition in dairy products?

v. Why is proper feed storage important in poultry farming?

vi. What is the role of vaccination in preventing poultry disease?

Part - III

Note: Attempt any two (02) long questions. **(7 × 2) = 14**

Q. 4: Describe the steps involved in the production of rice, from land preparation to post-harvest management. **(07)**

Q. 5: Discuss the causes of soil erosion, and describe agronomic and mechanical practices to control it. **(07)**

Q. 6: Discuss the importance of proper packaging and value addition in dairy products. How do they benefit farmers and consumers? **(07)**