



2018 IV 13

0930

Seat No. :

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Time : 1½ Hours

AGRICULTURE (NSQF)

Subject Code

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Total No. of Questions : 3

(Printed Pages : 3)

Maximum Marks : 30

- INSTRUCTIONS:** i) Answer **each** question on a **fresh page**.  
ii) Write the question number and sub-question number **clearly**.  
iii) **All** questions are **compulsory**.  
iv) Figure to the right indicates **full** marks.

1. A) Choose and write the correct alternative from the options given below : [3]
- 1) Rice is a \_\_\_\_\_ crop.  
a) Pulses                      b) Cereal                      c) Millet                      d) Oilseeds
  - 2) According to seed type weed are classified as \_\_\_\_\_  
a) Cultivated and Aquatic                      b) Monocot and dicot  
c) Kharif and Rabi                      d) Indigenous and Exotic
  - 3) Storage of seed from harvest to next planting is known as \_\_\_\_\_  
a) Long term                      b) Medium term  
c) Average term                      d) Short term
  - 4) Removal of pathogen and insect pest from the surface of seed is known as \_\_\_\_\_  
a) Seed inoculation                      b) Seed-protection  
c) Seed disinfection                      d) Seed-dis-infestation
  - 5) \_\_\_\_\_ irrigation is also known as tickle irrigation.  
a) Sprinkler                      b) Drip                      c) Surface                      d) Flood
  - 6) Chlorine contact with the \_\_\_\_\_ can cause serious burns.  
a) Skin                      b) Eyes                      c) Mouth                      d) Nose



B) Answer the following questions in **one** sentence : [3]

- 1) At which stages rice has to be irrigated.
- 2) What is the role of nitrogen in plant development ?
- 3) What are the quality parameters of bio agents ? **(Any two)**

C) Answer the following questions in **2-3** sentences : [4]

- 1) Why drainage is important in Agriculture.
- 2) Differentiate between seed and grain. **(Any four)**

2. A) Choose and write the correct alternative from the options given below : [3]

- 1) Organisms which are not even visible in the microscope are known as \_\_\_\_\_  
a) Bacteria      b) Fungi      c) Viruses      d) Protozoa
- 2) Babesiosis is transmitted to Cattle's by \_\_\_\_\_  
a) Snail      b) Ticks      c) Oral infection      d) Blood sucking
- 3) \_\_\_\_\_ is known as the staple food crop of 60% of world population.  
a) Wheat      b) Barley      c) Rice      d) Ragi
- 4) Nitrogen, \_\_\_\_\_ and \_\_\_\_\_ are the major nutrients of rice.  
a) Sulphur and Potassium      b) Calcium and Potassium  
c) Magnesium and Phosphorous      d) Potassium and Phosphorous
- 5) In \_\_\_\_\_ system the birds are confined to house entirely, with no land outside.  
a) Extensive      b) Semi-Intensive  
c) Intensive      d) Folding
- 6) The process of grinding and thorough mixing of feed constituting the mixture is known as \_\_\_\_\_  
a) Grinding of Grains      b) Pelleting of mixture  
c) Urea treatment      d) Chaffing

B) Answer the following questions in **1-2** sentences : [3]

- 1) What is the need of seed treatment ?
- 2) Write the important characteristics of good seed. **(Any two)**
- 3) What are the advantages of micro irrigation ? **(Any two)**



C) Answer the following questions in **3-5** sentences : [4]

- 1) Enlist the principles of IPM and describe any one principle.
- 2) Expand IPM. If warning is written in yellow colour on the insecticide bottle then, what it indicates ?

3. A) Answer the following questions in **1-2** sentences : [3]

- 1) Write any two symptoms of milk fever. **(Any two)**
- 2) Name and explain any one disease in paddy.
- 3) What is the use of bio fertilizers in rice ? **(Any two)**

B) Answer the following questions in **3-5** sentences : [4]

- 1) Explain the important features of loose housing system.
- 2) Match the column :

**A**

- a) Blue tongue
- b) Brucellosis
- c) Actinomycosis
- d) Milk fever

**B**

- 1) Swelling of Jaw
- 2) Paralysis
- 3) Viruses
- 4) Abortion

C) Answer the following questions in **not less than five** sentences **each** : [3]

- 1) Draw the layout of Sprinkler irrigation system and write down the function of any two major component of sprinkler irrigation system.