

2019 IV 16

0930

Seat No.

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Time : 1½ Hours

AGRICULTURE (PADDY CULTIVATION)

Subject Code

(NSQF)

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Total No. of Questions : 3

(Printed Pages : 7)

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) Figures to the right indicate full marks.

1. (A) Choose and write the *correct* alternative from the options given

below :

$\frac{1}{2} \times 6 = 3$

(i) Cereals are rich in

(a) Carbohydrates

(b) Oil

(c) Protein

(d) None of the above

- (ii) is a primary nutrient.
- (a) Calcium
 - (b) Magnesium
 - (c) Sulphur
 - (d) Potassium
- (iii) First insecticide 'DDT' was developed by
- (a) Jethro Tull
 - (b) Paul Muller
 - (c) Gregor Mendel
 - (d) Louis Pasteur
- (iv) Richel Carson wrote a book named
- (a) Noisy spring
 - (b) Horse hoeing husbandry
 - (c) Silent spring
 - (d) Roses of India

(v) Manipulation of agronomic practices for reducing or avoiding pest damage to the crop is known as control method.

(a) Mechanical

(b) Cultural

(c) Biological

(d) Chemical.

(vi) Which of the following is a trap crop ?

(a) Marigold

(b) Jasmine

(c) Dahlia

(d) All of the above

(B) Answer the following questions in *one* sentence each : $1 \times 3 = 3$

(i) What is soil solarisation ?

(ii) Who is Predator ?

(iii) What do you mean by fumigation ?

(C) Answer the following questions in *two* sentences : 2×2=4

(i) What are the preventive methods of weed control ? (Any *four*)

(ii) What do you mean by drainage and state its importance ?

2. (A) Choose and write the *correct* alternative from the options given

below : $\frac{1}{2} \times 6 = 3$

(i) Drip irrigation is also known as irrigation.

(a) Trickle

(b) Sprinkler

(c) Overhead

(d) Furrow

(ii) Supply of nutrient to crops through irrigation water is called

(a) Fertilization

(b) Fusion

(c) Fertigation

(d) Fuming

(iii) is considered to be poor man's cow.

(a) Buffalo

(b) Sheep

(c) Goat

(d) Yak

(iv) is the process of cutting fodder into small pieces.

(a) Soaking

(b) Grinding

(c) Chaffing

(d) Alkali treatment

(v) Rice belongs to the family.

(a) Leguminosae

(b) Poaceae

(c) Fabaceae

(d) Asteraceae

(vi) develops and grows into roots.

(a) Coleoptile

(b) Plumule

(c) Seed coat

(d) Radicle

(B) Answer the following questions in *one* line : 1×3=3

(i) What is Micro Irrigation ?

(ii) What is Pressure Gauge in micro irrigation system ?

(iii) What do you mean by disease in animals ?

(C) Answer the following questions in *two* sentences : 2×2=4

(i) What are the safety measures to be taken to make farm safer place to work ?

(ii) What are the benefits of good quality seeds ?

3. (A) Answer the following : 1×3=3

(i) What are the characteristics of ketosis ?

(ii) What is Green Manure ?

(iii) Name any *two* Biofertilizers used in Paddy field.

(B) Answer the following questions :

2×2=4

(i) Explain the following methods of animal identification :

(a) Tattooing

(b) Ear tagging

(c) Branding

(d) Ear notching

(ii) State the preventive measures for control of bacterial and viral diseases in farm animals.

(C) Answer the following question :

1×3=3

Explain the process of converting raw seeds to finally tagged seeds yield with the help of flow diagram.