

2019 VI 19

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) Figure to the right indicate full marks.

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

below :

½×6=3

(i) Drainage promotes leaching of

(a) Water

(b) Salts

(c) Solvent material

(d) Minerals

- (ii) The 'Tasseling and Silking' stage is observed in
- (a) Cotton
 - (b) Maize
 - (c) Sunflower
 - (d) Barley
- (iii) is the hundred percent genetically pure seed with physical purity.
- (a) Breeder seed
 - (b) Foundation seed
 - (c) Nucleus seed
 - (d) Certified seed
- (iv) is storage of carry over seed for a year, below 5°C temperature condition.
- (a) Short term storage
 - (b) Medium term storage
 - (c) Long term storage
 - (d) All of the above

(v) The low toxicity of pesticide is indicated by color.

(a) Red

(b) Green

(c) Yellow

(d) Blue

(vi) Rodenticides are the chemicals mostly used to kill

(a) Caterpillars

(b) Insects

(c) Rodents

(d) Mites

(B) Answer the following question in *one* sentence : 3

(i) Write any *two* examples of micro nutrients.

(ii) What is seed treatment ?

(iii) What is grain ?

(C) Answer the following question : 4

(i) What are the modern agriculture technologies (any *four*) ?

(ii) Enlist the harmful effect of weeds (any *four*).

2. (A) Choose and write the correct alternatives from the options given below : $\frac{1}{2} \times 6 = 3$

(i) contact with the skin can cause serious burn.

- (a) Citric acid's
- (b) Calcium sulfate's
- (c) Chlorine's
- (d) Oxalic acid's

(ii) Drip irrigation is most suitable for crop like

- (a) Chili
- (b) Paddy
- (c) Wheat
- (d) Sorghum

(iii) V-shaped cutting of ear is done in

- (a) Ear notching
- (b) Ear Tagging
- (c) Ear branding
- (d) Ear tattooing

- (iv) Sahiwal is purpose breed.
- (a) Milch
 - (b) Dual
 - (c) Draught
 - (d) All of the above
- (v) is a traditional rice cultivation system.
- (a) Line sowing
 - (b) Broadcasting method
 - (c) Beushening
 - (d) All of the above
- (vi) Jaya, Jyoti, Karjat are the varieties of
- (a) Tomato
 - (b) Brinjal
 - (c) Paddy
 - (d) Wheat

- (B) Answer the following question in *one* sentences : 3
- (i) Name any *two* pesticide application equipments.
 - (ii) What do you mean by the term Hazard ?
 - (iii) Name any *two* Bio Fertilizers used in paddy cultivation.
- (C) Answer the following question in **2-3** sentences : 4
- (i) Which are the different mechanical methods of IPM ? (Explain any *two* in detail).
 - (ii) State precautions to be taken during seed storage.
3. (A) Answer the following question in *one* sentence : 3
- (i) Write any *two* examples of viral diseases of animals.
 - (ii) Write names of any *two* commonly found weeds in paddy field.
 - (iii) Enlist any *two* symptoms of Milk fever.

(B) Answer the following question in **2-3** sentences : 4

(i) Explain any *two* methods of identification most suitable for cattle.

(ii) Differentiate between Bacteria & Virus.

(C) Answer the following question : 3

(i) Draw a layout of sprinkler irrigation system and label any *four* components of the same.