

(ENGLISH)

[TIME ALLOWED—3 HOURS]

(MARKS—100)

SENDRIYA SHETI TATVADNYAN (THEORY-II)**Marks**

1. (a) Write the answers in the blank choosing the correct option :—

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- (i) Khilari is a cow that identifies
 (a) Gujarat (b) Rajasthan
 (c) Maharashtra (d) Hariyana.
- (ii) receives Padmashri as agriculture rishi of Maharashtra.
 (a) Dr. Vijayaji Bhatkar (b) Subhash Palekar
 (c) Dr. Clark (d) Dr. Ram Bhosale.
- (iii) Fertility of the soil increases so that the humus increases and the crop gets
 (a) Better (b) Medium
 (c) Low (d) No any.
- (iv) Jivamrut is increasing the count of bacteria and fertility of soil
 (a) Culture (b) Mixture
 (c) Liquid (d) Insecticide.
- (v) is oil seed.
 (a) Bajara (b) Jawar
 (c) Tur (d) Ground nut.
- (vi) Neemastra is
 (a) Insecticide (b) Insect.
 (c) Tonic (d) Compost.

(b) Write *True* or *False* (any five) :—

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- (i) Jivamrut should be added to the yield to keep earthworms regularly.
- (ii) Useful microorganisms in the soil to grow the crop by giving it nutrients to the roots.
- (iii) The roots of all foods stuffs are automatically obtained in the forest.
- (iv) Panchagavya agriculutre is not natural agriculture.
- (v) Organic farming is called manbased agricultures.
- (vi) The green colour of the leaves is not caused by this component of chlorophyll.

(c) Write the extended form (any five) :—

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- (i) WHO (ii) NPK (iii) ZBNF
 (iv) MSBVEE (v) FAO (vi) PPM.

[Turn over

- (d) Match the pair (any *five*) :— 5
- | ' A ' Group | ' B ' Group |
|-----------------------|---------------------------|
| (i) Air | (a) Aap mahabhut |
| (ii) Sky | (b) Mineral and foods |
| (iii) Sunlight shine | (c) Karyamla vayu Natranu |
| (iv) Earth | (d) Kilo kalary |
| (v) Water | (e) Green house gas |
| (vi) Crisis of nature | (f) Cosmic energy. |
2. Attempt any *two* of the following :— 16
- Explain the need for spiritual agriculture.
 - Explain crop protection with natural remedies.
 - Explain earthworms in the field.
 - Lets go back to nature.
3. Attempt any *two* of the following :— 16
- Natural farming and cows for farmers to be self-sufficient.
 - Explain the inter crop and mixed crop variations.
 - Land backyard main time for sowing.
 - Explain the relationship between cow and health.
4. Write in details (any *two*) :— 16
- Selection of seed, store, planting natural sequence and use jivamrut.
 - In nature, how much of your crops take elements from the ground how many elements they take from the air, water and sun.
 - The best of the bacteria useful in domestic cow dung is immersion there is strength.
 - Explain in detail the seasonal mixed crop agriculture.
5. Write short notes (any *four*) :— 16
- How to store desi seeds ?
 - Cover and earthworm to fertile soil permanently.
 - What is Humus ?
 - How to crops need water ?
 - Humidity under the soil tree.
6. Write in details (any *two*) :— 16
- Write a detailed description of spiritual agriculture.
 - Explain in detail what natural agriculture is ?
 - Explain the identity of toxic indigenous guavran and organic.
 - Which food is needed for good health ?
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