

D 94939

(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER B.VOC. DEGREE EXAMINATION, NOVEMBER 2020**

Organic Farming

SDC 1AG 01—FUNDAMENTALS OF AGRONOMY

Time : Three Hours

Maximum : 80 Marks

(A) Very Short Objective Answer Questions. 1 mark each :

- 1 Scientific name of Wheat is \_\_\_\_\_.
- 2 Agronomy is derived from two Greek words viz ; \_\_\_\_\_ and \_\_\_\_\_.
- 3 Two examples for pulses are \_\_\_\_\_ and \_\_\_\_\_.
- 4 \_\_\_\_\_ is considered as father of tillage.
- 5 Sunflower is a \_\_\_\_\_ crop.
- 6 Indian Institute of Soil Sciences is situated at \_\_\_\_\_.
- 7 \_\_\_\_\_ is an example for a micronutrient.
- 8 Removing of older leaves from sugarcane is termed as \_\_\_\_\_.
- 9 Where lands are of sloping nature \_\_\_\_\_ type of cultivation is practised specially in hilly areas
- 10 \_\_\_\_\_ deals with production of large scale cultivation of perennial trees for supplying wood, timber, rubber etc. and also raw materials for industries.

(10 × 1 = 10 marks)

(B) Short Answer Questions. Answer any *eight* questions. 2 marks each :

- 11 Differentiate between Extensive and Intensive Agriculture.
- 12 Differentiate between Green manures and green leaf manures.
- 13 Define sustainable agriculture.
- 14 Explain Agribusiness.
- 15 Write short note on Micro nutrients *vs* Macronutrients.

Turn over

16 Match the following :

Bajra	–	<i>Glycine max.</i>
Soybean	–	<i>Vigna radiata.</i>
Tapioca	–	<i>Pennisetum glaucum.</i>
Greengram	–	<i>Manihot esculenta.</i>

17 What is the role of agronomists ?

18 What do you mean by activated sludge ?

19 Define the term Rogueing.

20 What are the advantages of intercropping ?

21 Define cropping intensity.

22 Write short note on Vesicular Arbuscular Mycorrhizae.

(8 × 2 = 16 marks)

(C) Short Essay. Answer any *six* questions. 4 marks each :

23 Discuss the major farming systems in Kerala.

24 Write a short note on the botanical classification of crops.

25 Explain biological nitrogen fixation.

26 Describe the various branches of agriculture.

27 Explain the factors affecting plant population.

28 What are nitrogenous fertilizers ? Explain.

29 Describe the importance of water to plants.

30 Differentiate between rainfed and irrigated farming.

31 Discuss the cultivation practices in finger millet (with reference to soil, climate, varieties, cultural practices, harvest).

(6 × 4 = 24 marks)

(D) Essay. Answer any *two* questions. 15 marks each :

32 Write an essay on agronomic classification of crops.

33 Describe the factors affecting crop production.

34 Explain the major soils of India.

35 Discuss the cultivation practices in tapioca with reference to soil, climate, varieties, cultural practices, harvest).

(2 × 15 = 30 marks)