

C 25283

(Pages : 2)

Name.....

Reg. No.....

FOURTH SEMESTER B.VOC. DEGREE EXAMINATION, APRIL 2022

Organic Farming

SDC 4AG 13—WEED MANAGEMENT AND FODDER CROP PRODUCTION

(2020 Admissions)

Time : Three Hours

Maximum : 80 Marks

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

- 1 The common planting material in sugarcane is _____.
- 2 Short duration rice variety is _____.
- 3 Variety of sugarcane resistant to red rot disease is _____.
- 4 Seed rate required for broadcastin g of rice is _____.
- 5 The biocontrol agent suitable for control of Salvinia.
- 6 A plant out of place is _____.
- 7 The essential oil from vetiver is extracted from _____ part of the plant
- 8 Scientific name of oil palm is _____.
- 9 An example for new generation herbicide is _____.
- 10 International Rice Research Institute is located at _____.

(10 × 1 = 10 marks)

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

- 11 List out major weeds of rice under Kerala conditions.
- 12 Soil solarisation.
- 13 Mention spacing adopted in coconut plantation under different planting system.
- 14 Intercropping and mixed cropping in coconut.
- 15 Biological control measure of water hyacinth.
- 16 List out four major beverage grown in Kerala with scientific name.
- 17 Explain koottumundukan system in rice cultivation.

Turn over

- 18 Cultural practise of kacholam.
- 19 Herbicide selectivity.
- 20 List out mechanism of weed dispersal.
- 21 Critical period of crop weed competition.
- 22 Crop mimicry dispersal.

(8 × 2 = 16 marks)

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

- 23 Differentiate between innate dormancy and induced dormancy.
- 24 Differentiate between contact and systemic herbicide.
- 25 General selection criteria of mother coconut palms.
- 26 Weed management in rubber.
- 27 System of rice intensification (SRI).
- 28 Harvest indices in rice.
- 29 Preparation of silage.
- 30 Benefits of weeds.
- 31 Cultural practises of guinea grass under Kerala condition.

(6 × 4 = 24 marks)

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

- 32 Integrated weed management.
- 33 Mechanised rice planting.
- 34 Classification of herbicides.
- 35 Discuss in detail about soil, cultural, climatic requirement of coconut.

(2 × 15 = 30 marks)