Reg. No. : | | | | | | | | | | |

Question Paper Code: 59A74

B.E. / B.Tech. DEGREE EXAMINATION, SEP 2020

Open elective

Civil Engineering

15UAG974- ORGANIC FARMING TECHNOLOGY

(Common to CSE, ECE, EEE, EIE, Mechanical, IT, Chemical and Biomedical Engineering branches)

(Regulation 2015)

Duration: One hour Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. The environment in which a particular organism lives is called its CO1- R

   (a) Habitat (b) Dwelling place (c) Environment (d) Ecology

2. ___have been the focal point of the debates on biodiversity conservation. CO1- R

   (a) Temperate forests (b) Deciduous forests

   (c)Tropical rain forests (d) Evergreen forests

3. _____alter the microbial-fungi communities responsible for the recycling of nutrients in the soil. CO2- R

   (a) Insecticides (b) Pesticides (c) Fungicides (d) Weedicides

4. _____ is to keep grass healthy. CO2- R

   (a) Mulching (b) Strip cropping (c) Mowing (d) All of the above

5. The Factors influencing Integration of Farm Enterprises are CO2- R

   (a) Sheet (b) Residues (c) Soil and climate (d) All of the above

6. Sun hemp is a _____ crop. CO3- R

   (a) Green leaf manure (b) Legume (c) Manure (d) Green manure

7. _____ is a bio fertilizer. CO3- R

   (a) Legume (b) Green manure (c) Crops (d) Rhizobium

8. Compost making includes the destruction of weed seeds by high temperature of CO3- R

(a) 40-45^{o} C (b)50-55^{o} C (c)60-65^{o} C (d) None of the above

9. ---------- is seeding or planting a crop into a growing stand, for example over seeding a cover crop into a grain stand. CO4- R

(a) Mulching (b) Intercropping (c) Both (a) & (b) (d) None of the above

10. A Healthy and the biologically active soils will increase CO4- R

(a) Bottom ground diversity (b) Above ground diversity

(c) Belowground diversity (d) All of the above

PART – B (3 x 8 = 24 Marks)

(Answer any Three of the following questions)

11.	Explain organic carbon and conservation tillage.	CO1- U	(8)
12.	Discuss the impacts of Green revolution farming.	CO2- U	(8)
13.	Explain in detail about Farmyard manure.	CO3- U	(8)
14.	Give a brief account on Azotobacter and Rhizobium.	CO3- U	(8)
15.	Explain in detail about crop rotation.	CO4- U	(8)