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Question Paper Code: 59A74

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

Open elective

Civil Engineering

15UAG974- FORENSIC SCIENCE IN HEALTHCARE

(Common to CSE, ECE, EEE, EIE, Mechanical, IT, Chemical)

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. The mention of organic manure is in which veda CO1- R
(a) Rig (b) Yajur (c) Atharvana (d) Sama
2. An ecosystem has physical, chemical, and biological components along CO1- R
with_____ and pathways of energy and materials interchange.
(a) Environment (b) Energy sources (c) Habitat (d) Niche
3. Which regions are with the largest areas of organic agricultural CO2- R
land?
(a) Oceania (b) Mexico (c) Sweden (d) Spain
4. _____ is to keep grass healthy CO2- R
(a) Mulching (b) mowing (c) strip cropping (d) all the above
5. _____ as growing of different crops in a succession in same land. CO3- R
(a) Crop rotation (b) Multiple cropping (c) Mulching (d) All the above
6. _____ prevents leaching of plant nutrients to the lower CO3- R
layers.
(a) Leaching (b) Mulching (c) Green manuring (d) All the above
7. Neem contains_____ insecticidal properties CO4- R
(a) Azardirachitin (b) Nimbin (c) Meliacins (d) All the above

8. _____ involves removing and destroying the overwintering or breeding sites of the pest. CO4- R
 (a) Mulching (b) Sanitation (c) Mowing (d) Spacing of plants
9. NPOP stands for CO5- R
 (a) National program on organic production (b) National program on organic product
 (c) National product on organic production (d) All of the above
10. The detailed farm history is covered in CO5- R
 (a) Planning (b) Inspection (c) Documentation (d) Compliance

PART – B (5 x 2= 10 Marks)

11. Define Ecology CO1- U
12. Enumerate the characteristics of farming system. CO2- U
13. Define green manures CO3- U
14. Mention the Proactive strategies of Biointensive IPM. CO4- U
15. Explain the marketing and export opportunities of organic food. CO5- U

PART – C (5 x 16= 80 Marks)

16. (a) Define organic farming and its principles and characteristics CO1- U (16)
 Or
 (b) What is the need of organic farming and the output of Organic Vs Natural farming. CO1- U (16)
17. (a) Discuss the impacts of Green revolution farming. CO2- Ana (16)
 Or
 (b) Discuss the goals of Integrated farming systems and its advantages. CO2- Ana (16)
18. (a) Discuss the benefits and Economics of bio-fertilizers. CO3- U (16)
 Or
 (b) Explain the benefits and precautions to be taken in vermicomposting. CO3- U (16)
19. (a) Explain the detail about biological methods of weed management. CO4- U (16)
 Or
 (b) Explain the detail about bio-intensive pest and disease management CO4- U (16)

20. (a) Explain the various components of Biointensive pest management and how will you start up the system CO5- U (16)

Or

(b) Discuss in detail the standards of National Standards Organic Production CO5-U (16)

