B.VOC DEGREE REGULAR/REAPPEARANCE EXAMINATIONS, MARCH 2025

Sixth Semester

B.Voc Agriculture Technology

BAT6S02 - INFORMATION TECHNOLOGY AND NETWORKING FOR AGRICULTURE

2018 Admission Onwards

E36452F9

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. A well-controlled irrigation system is one which controls the _____ and _____ distribution of soil moisture.

2. Write the different types of ET controllers.

3. What is the function of peristaltic pump?

4. Mention the tools of precision farming.

5. Expand the given abbreviations: a)NDVI b)VRT.

6. Write any two characteristics of fertilizers used for fertigation.

7. What is meant by M-Solution?

8. Define Automatic Weather Station.

9. Define Decision Support System.

10. How computer vision helps in fruit harvesting?

11. Define multifunction printer.

12. What is meant by network utilities? Give examples.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What is tensiometer? Describe its working with suitable diagram.

14. Briefly discuss the non sequential automated irrigation system.

15. Briefly describe the following fertigation equipments: a)By-pass tank system b)Ventury pump.

16. Write briefly about the clogging of the system.

17. Give a brief account of disease forecasting methods.

18. Describe how the automatic sorting of fruits is done.

19. What is WAN? Write its advantages and examples.

20. Write a short note on IP address.

21. Write a brief description on gateway?

(6×5=30)

Part C

Answer any **two** *questions.*

Each question carries **15** *marks.*

22. Discuss the different contol modes used within OLC and CLC with suitable diagram.

23. Write a detailed note on pest forecasting, its types and role of remote sensing in pest surveillance.

24. Discuss function,advantages and disadvantages of laser printers in detail.

25. Describe the benefits and functions of LAN.

(2×15=30)