(Pages : 4) L – 2030

Reg. No. : .....

Name : .....

Sixth Semester B.C.A. Degree Examination, March 2021

Career Related First Degree Programme Under CBCSS

Group 2(b) — Computer Applications

Core Course

CP 1644 — TRENDS IN COMPUTING

(2018 Admission Regular)

Time : 3 Hours Max. Marks : 80

SECTION – A

(Very Short Answer Type)

(**One** word to maximum of **one** sentence. Answer **all** questions).

1. Expand ANN.
2. Expand SaaS.
3. Give an example for pay per use model in computing.
4. What do you mean by back end in cloud computing?
5. Mention any two advantages of IaaS.
6. List any two challenges in cloud computing.
7. Give two types of storage devices in cloud computing.

P.T.O.

8. What is the role of adder in a perceptron?

9. What is fuzzification?

10. Name any two operations on fuzzy set.

(10 × 1 = 10 Marks)

SECTION – B

(Not to exceed **one** paragraph, answer **any eight** questions. **Each** question carries **2** marks).

11. What is virtualization?

12. What is grid computing?

13. What is unmanaged cloud storage?

14. What is soft computing?

15. What is a community cloud?

16. What is a file storage device in cloud computing?

17. What is data redundancy?

18. What is perceptron learning rule?

19. What is cloud computing?

20. What is the use of artificial neural network?

21. What are the different layers in cloud computing?

22. What are the different models for deployment in cloud computing?

23. What is the use of "EUCALYPTUS" in cloud computing?

24. What is Virtual Private Network?

25. What is Service Oriented Architecture?

26. What is edge computing?

(8 × 2 = 16 Marks)

SECTION – C

(Short Essay)

(Not to exceed **120** words, answer **any six** questions. **Each** question carries **4** marks).

27. Explain private cloud.

28. Define grid computing and mention its advantages.

29. What are the advantages of distributed computing system?

30. Explain crossover in genetic algorithm.

31. Explain the components of perceptron.

32. Explain two types of artificial neural networks.

33. Discuss on any two types of decision making.

34. Explain classification in Artificial Neural Network.

35. Explain basic concept of competitive network.

36. Explain supervised learning in neural networks.

37. Discuss architecture of Adaline.

38. Explain the need for edge computing.

(6 × 4 = 24 Marks)

SECTION – D

(Long Essay)

Answer **any two** questions. **Each** question carries **15** marks.

39. Explain cloud computing architecture.

40. Explain the advantages and disadvantages of cloud computing.

41. Explain grid computing.

42. Discuss on application of neural networks.

43. Discuss on Software as a Service.

44. Compare different aspects of human brain and a computer.

(2 × 15 = 30 Marks)
