62496

Name: ....

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

FOURTH SEMESTER B.Voc Examination, May-June 2019

SOFTWARE DEVELOPMENT

SDC4IT14 – ADVANCED COMPUTER NETWORKS
(2014 Admission onwards)

Time: 3 hours   Maximum Marks: 80

Section A

(Answer all questions. Each question carries 1 mark)

1. TCP stands for ....

2. ....system call is used to create FIFO

3. .... port number is used by UDP for Domain Name Service

4. In ....socket connection is unreliable.

5. IEEE 802.16 standard is also known as ....

6. WiMax stands for ....

7. Leftmost bit of class A IP address is ....

   a) 0   b) 10

   c) 110   d)1110

8. The combinations of IP address and port number forms ....

   a) Socket address   b) Socket number

   c) Socket identifier   d) Socket data

9. What is the Access Point (AP) in wireless LAN

   a) Device that allows wireless devices to connect a wired network

   b) Wireless device itself

   c) Both (a) and (b)

   d) None of the above

10. VSAT stands for ....

    a) Very Small Aperture Terminal   b) Various Small Aperture Terminal

    c)Very Simple Application Terminal   d) None of the above

[10x1 = 10 marks]

TURN OVER

Section B

(Answer any eight questions. Each question carries 2 marks)

11. What is socket address?

12. What is the role of port number in process-to-process delivery?

13. What is the use of semaphore?

14. Describe shared memory.

15. List the top congestion control algorithms.

16. What is socket pair?

17. What is stream polling?

18. What do you mean by reserved port?

19. What is spreading code?

20. What are mobile stations?

21. Define Broad Band.

22. What are the two main parts of VSAT systems?

[8x2 = 16 marks]

Section C

(Answer any six questions. Each question carries 4 marks)

23. Define FTP.

24. Describe how a TCP connection is terminated.

25. Write a short note on Pipes.

26. What is UDP encapsulation?

27. Explain *bind()* system call

28. What are the important socket options?

29. State the goals of 3G cellular network.

30. Describe CSMA-CA

31. Write a note on VSAT system

[6x4 = 24 marks]

TURN OVER

Section D

(Answer any two questions. Each question carries 15 marks)

32. Explain in detail transmission reliability mechanism in TCP.

33. Explain UDP. Give a brief description of UDP format message.

34. Explain the frame format of MAC.

35. Explain the layered architecture of 4G.

[2x15 = 30 marks]