(6 pages)

Reg. No. : ....

Code No. : 6452   Sub. Code : ZCSE 32

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2022.

Third Semester

Computer Science

Elective — MOBILE COMPUTING

(For those who joined in July 2021 onwards)

Time : Three hours   Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which is able to move from one physical location to another and use the same service?

    (a) Network mobility   (b) User mobility

    (c) Bearer mobility   (d) Agent mobility

2. What is used to store data needed by the application?

    (a) Data tier   (b) Application tier

    (c) Presentation tier   (d) All the above

3. Which protocol is used to communication across the internet?

    (a) OBEX protocol   (b) TCP/IP

    (c) FTP   (d) HTTP

4. Which type of information changes in day in value added services?

    (a) Static   (b) Dynamic

    (c) Real time   (d) Data

5. In which layer provides a reliable logical ink between an MS and its assigned SGSN

    (a) LLC   (b) RLC

    (c) MAC   (d) RFL

6. Which is a specific extension for call and telephony feature control?

    (a) WAE user agents

    (b) Content generator

    (c) Standard content encoding

    (d) WTA

7. Which type of attack is based on statistical analysis?

   (a) Passive attacks

   (b) Active attacks

   (c) Dictionary building attacks

   (d) Hijacking

8. In which time calls will be forwarded to the specific number, when the subscriber is busy

   (a) On busy   (b) On not reachable

   (c) Unconditional   (d) On no reply

9. Which is responsible for feature memory mentioned in the section memory?

   (a) Feature manager   (b) VFS manager

   (c) Sound manager   (d) Memory manager

10. What is for data and voice devices where telephony and data are tightly integrated?

    (a) Pearl   (b) Quartz

    (c) Crystal   (d) All the above

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) List out any five mobile applications.

    Or

    (b) Examine the making legacy application mobile.

12. (a) Define bluetooth.

    Or

    (b) Describe the Short Message Mobile Oriented (SM MO).

13. (a) Define the quality of service.

    Or

    (b) State the MMS architecture.

14. (a) Explain Wireless Data Protocol (WDP).

    Or

    (b) Discuss the MAC address access control.

15. (a) Order the kernel features.

    Or

    (b) Predict the secured socket layer.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Describe the mobile computing in briefly.

Or

(b) State the data tier-3 in mobile computing architecture.

17. (a) Define the handover of mobile emerging with neat diagram.

Or

(b) Examine the strength of SMS.

18. (a) Describe the routing in GPRS.

Or

(b) Discuss the WAP gateway with neat diagram.

19. (a) Discuss the internet content adaptation protocol with diagram.

Or

(b) Determine the mobile phones with suitable diagram.

20. (a) Evaluate the PALM OS architecture.

Or

(b) Summarize the RSA with clear explanation.

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