



12. (a) Illustrate the GSM Architecture with a neat diagram?

Or

(b) Illustrate the routing of mobile hosts with block diagram that reveals the step-by-step process sender to mobile host communications?

13. (a) Explain the Mobile IP Topology with a lucid block diagram?

Or

(b) Demonstrate the major challenges of VANET's.

14. (a) Verify and justify the following statement with example and graphic block diagram: "The transport layer in mobile networking provides reliable or unreliable data delivery between applications on different devices."

Or

(b) Illustrate Wireless Datagram Protocol mechanism in data transporting over the different bearer services in mobile communication system.

15. (a) Illustrate the differences between android and iOS operating systems. How does security features in iOS is better than Android operating system.

Or

(b) Explain Wireless Transport Layer security for establishing a secure session before data can be exchanged via WTLS.

PART C — (1 × 15 = 15 marks)

16. (a) Illustrate WAP architecture model and its functional characteristics with a block diagram for Android mobile.

Or

(b) Illustrate the step-by-step process of diagnosing and the error handling mechanism of wireless control message protocol for WDP with neat diagram?