First Semester FYUGP Computer Science Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1MDCCAP101 (BASICS OF IT FOR ALL)
(DATE OF EXAM: 29-11-2024)

Time : 90 min   Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. Explain the difference between hardware and software with their definition and uses .   2

2. What is assembly language?   2

3. Define flow chart . Explain flowcharting symbols   2

4. Define network topology . Explain any two topologies.   2

5. What are the various components of security policy?   2

6. Define cryptanalysis   2

7. List the applications of AI?   2

8. With an example write unsupervised learning   2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Explain about the third generation of computers   6

10. Name two object oriented languages. Explain the characteristics   6

11. Draw a flowchart to add two numbers   6

12. Write short notes on :
    a) LAN b) WLAN c) WiFi d)Ethernet   6

13. Firewall prevents unauthorised access to the computer system. Explain 6

14. Write different types of learning   6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. (a) Discuss the basic organization of a computer system and explain the function of various units of a computer system   7

    (b) Define operating system. Explain the functions of operating system 7

16. (a) What is computer network ? Explain various hardware and software components used in it   7

    (b) Compare ISO-OSI, TCP/IP model   7