

**First Semester FYUGP Degree (Reg/Sup) Examination
November 2025**

KU1MDCCAP101 - BASICS OF IT FOR ALL

2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. Explain the difference between hardware and software with their definition and uses .
2. What are the two main components of CPU of a computer system and list the main functions of each component.
3. Define trojan horse
4. What are the various components of security policy?
5. What are the characteristics of procedure oriented languages
6. What are language translators? How do they differ ?
7. Name network components .
8. What is switching?

Section B

Answer any 4 questions. Each carry 6 marks.

9. Name two object oriented languages. Explain the characteristics
10. What is an object in the context of object oriented programming? Explain with an example
11. Draw a flowchart to add two numbers
12. What are transmission modes in computer networks? Explain with an example ?
13. Explain different network components and its layers associated with
14. Explain TCP/IP model

Section C

Answer any 1 questions. Each carry 14 marks.

15. (a) Define operating system. Explain the functions of operating system
- (b) Perform the following conversions :
- a) Convert (110101.101010) to octal and Hexadecimal .
 - b) Convert decimal 27 to Hexadecimal and Binary.
 - c) Convert the binary number 1011.1011 into equivalent Decimal and Hexadecimal.
16. What is Information Security. Explain its Goals and Threats.?

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