

**First B. Pharm (Ayurveda) Degree Supplementary Examinations  
March 2025**

**Basic Electronics and Computer Application**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

**Essays:**

**(2x10=20)**

1. Explain the fundamental components of computer graphics systems
2. Define operating system. List and explain the main types of operating systems

**Short Notes:**

**(10x5=50)**

3. Photodiode
4. Define LED
5. Define and classify mainframe, mini, and microcomputer
6. What is an algorithm
7. Discuss the benefits and limitations of using flowchart
8. Define hardware and software components of a computer system
9. Explain the purpose of comma and semicolon controls in printing
10. What are the rules for naming variables
11. Describe user defined functions
12. Mainframe computer

**Answer briefly:**

**(10x3=30)**

13. Define Gateway
14. What were the primary components used in first-generation computers
15. Explain the concept of Tree Data Structure with examples.
16. Distinguish between RAM and ROM
17. List the seven layers of computer network
18. What is character set
19. Write a short note on variable
20. Provide examples of arithmetic expressions
21. Differentiate between logical AND and OR operations
22. List the main applications included in the Microsoft Office

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