

Q.P. Code: 107008

Reg. No.....

**First B. Pharm (Ayurveda) Degree Supplementary Examinations
August 2024**

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. Classification of computers. Describe them in detail
2. Explain architecture of seven layers of communications

Short Notes:

(10x5=50)

3. p-n junction Diode
4. How does a full-wave rectifier compare to a half-wave rectifier
5. Analyze the differences between analogue and digital computers in terms of functionality and application.
6. Evaluate the impact of computers on efficiency and accuracy in pharmacy operations
7. Explain the advantages and limitations of using conventional programming languages.
8. Identify the main functions of an operating system.
9. Analyze the advantages and disadvantages of using a linked list compared to an array
10. Define variables and constants are in programming.
11. Explain the hierarchy of operations in arithmetic expressions.
12. Identify key features in Microsoft Word for formatting documents.

Answer briefly:

(10x3=30)

13. Explain the role of the abacus and slide rule in historical computing.
14. Define "operating system" and list two examples.
15. Name three types of operating systems and provide an example for each.
16. Differentiate between RAM and virtual memory.
17. Define the term "data structure" and provide examples of commonly used data structures
18. Define SQL and explain its role in database management.
19. Differentiate between local and global variables.
20. What is an arithmetic expression in programming.
21. Constant
22. Differentiate between PRINT and LPRINT
