

Q.P. Code: 107008

Reg. No.....

**First B. Pharm (Ayurveda) Degree Regular/Supplementary Examinations
March 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. List the generations of computers and provide a key characteristic of each.
2. Compare the advantages and disadvantages of using user-defined functions and subroutines in programming.

Short Notes: (10x5=50)

3. Virtual Memory.
4. Describe the purpose of rectifiers.
5. Compare and contrast the features of mainframe, mini, and microcomputers.
6. Explain the importance of naming variables descriptively.
7. Describe the order in which different operations are evaluated.
8. Architecture of seven layers of communication. Describe them in detail.
9. What is flow chart.
10. Explain the fundamental differences between analog and digital computers.
11. Define LPRINT.
12. Explain advantages and limitations associated with conventional programming languages.

Answer briefly: (10x3=30)

13. Identify the primary function of a p-n junction in a diode.
14. Full form of ROM. Define.
15. Summarize the primary applications of computers in the field of pharmacy.
16. Differentiate between a queue and a linked list.
17. Provide examples of arithmetic expressions.
18. List the basic arithmetic operators used in expressions.
19. Define relational expressions and provide examples.
20. Explain the role of logical operations (AND, OR, NOT) in programming.
21. Describe the function of the TAB function in printer control.
22. Describe the functions of headers and footers in document layout.
