

C 1502

B.C.A. (THREE YEAR) DEGREE EXAMINATION, NOVEMBER 2016.

First Semester

Part II : Computer Application

Paper II : COMPUTER FUNDAMENTALS

Time : 3 Hours

Max. Marks : 60

PART — A

Answer the following questions. **(5 × 4 = 20 Marks)**

1. (a) What are the advantages of first and second generation computers?
- (b) How does a keyboard work?
- (c) Discuss the importance of cache memory.
- (d) What is graphics software?
- (e) Define the term Internet security.

PART — B

Answer the following questions. **(5 × 8 = 40 Marks)**

2. (a) Broadly classify computers based on their speed.

Or

- (b) Give a detailed notes on different output devices.

3. (a) Give the characteristics of the memory hierarchy chart.

Or

- (b) Convert the decimal 987654 into octal and hexadecimal number system.

4. (a) What are logic gates? Explain with their truth tables.

Or

- (b) Draw a k-map and simplify the expressions given by $f(x, y, z) = \sum m(0, 2, 3, 4, 6, 7)$.

Turn Over

5. (a) Draw a flow chart to determine the largest of three numbers.

Or

(b) Write an essay on the Internet and its services.

6. (a) Briefly explain microsoft office packages.

Or

(b) Explain the role of operating system.
