

Ph. D Course Work, 2018
First Sessional Examination
Paper – II
Computer Fundamental

Full Marks: 30

Time: 1 hour

1. Discuss the applications of computer in different fields. (10)

Or

Convert the following: (3+3+4=10)

(a) $(1110.10)_2$ to decimal.

(b) $(321)_8$ to decimal.

(c) Perform $(-5) + 4$ using 1's complement.

2. Discuss about the various generations of computer along with the key characteristics of each generation. (10)

Or

Discuss the various types of computers in details. Explain the characteristics of computers. (10)

3. Write short note on "application of computer in research". (5)

4. **Multiple Choice Questions:** (1×5=5)

(i) The base of Octal number system is:

a. 16

b. 8

c. 10

d. 2

(ii) UNIVAC is an example of.....

a. First generation computer

b. Second generation computer

c. Third generation computer

d. Fourth generation computer

(iii) First high-level language was developed during generation.

a. First

b. Second

c. Third

d. Fourth

(iv) Desktop computer belongs to.....

a. Micro Computer

b. Mini Computer

c. Mainframe Computer

d. Super Computer

(v) The first mechanical calculator was developed in 1623 by:

a. Wilhelm Schickhard

b. Blaise Pascal

c. Gotfried Leibniz

d. Charles Babbage