

C 1303

B.A./ B.Sc./ B.Com. (Three Year) DEGREE EXAMINATION, NOVEMBER 2016.

First Semester

Part II : Computer Applications

Paper I : FUNDAMENTALS OF COMPUTERS

Time : 3 Hours

Max. Marks : 60

PART — A

1. Answer the following questions. **(5 × 4 = 20 marks)**
- (a) Write a short note on characteristics of computer.
 - (b) Convert 89 CD into binary system.
 - (c) Write about JK –Flip Flop.
 - (d) Differentiate between algorithm and pseudocodes.
 - (e) Define E-mail and FTP.

PART — B

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

2. (a) Draw a Block diagram of computer. Explain each part of computer.
Or
(b) What are optical input devices? Explain.
3. (a) Discuss the different types of optical storage devices.
Or
(b) Explain the process of converting binary number into decimal number with example.
4. (a) What are adder circuits?
Or
(b) What is an application software? Explain with example.

Turn Over

5. (a) Explain the functions of operating system.

Or

(b) What are the advantages of database systems.

6. (a) Explain about Data transmission modes.

Or

(b) Discuss some benefits of cloud computing.
