Roll No……..….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [09]

B.A. (Journalism & Mass Communication) (Semester – 1st)
COMPUTER FUNDAMENTALS
Subject Code: BJMCS1105
Paper ID: [21420105]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:
   a. Define hexadecimal number system.
   b. What is binary arithmetic?
   c. Define network topology and give two examples.
   d. Name two types of operating systems.
   e. Differentiate between compiler and interpreter.
   f. What are the different types of symbols used in a flowchart?
   g. Write two differences between hardware and software.
   h. How is IT used in the field of education and training?
   i. Define a bit.
   j. Differentiate between a hub and a switch in networking devices.

Section – B **(5 marks each)**

Q2. Differentiate between primary memory and secondary memory, and explain the purpose of each.
Q3. Discuss the applications of information technology in various fields such as business, education, entertainment etc.
Q4. Differentiate between application software and system software, providing examples of each.
Q5. List and describe common input and output devices used in computer systems.
Q6. Draw a block diagram of a computer. Explain the function of each of the blocks.

Section – C **(10 marks each)**

Q7. Explain the process of creating, deleting, copying, and renaming files in a computer system.
Q8. Describe the generations of programming languages. Differentiate between assembler, compiler, and interpreter.
Q9. Differentiate between algorithm and flowchart. Provide examples of algorithms and flowcharts.