

E-27/2110

Introduction to Information Technology (CS-103)

9463/NJ

B.SC (Honors in Mathematics) 1st Semester

Time Allowed: 3Hour

Max Marks: 5070

Roll No.....

Note: Attempt two Questions selecting one question from each section A, B. Section C is compulsory

SECTION-A

- Q1. Discuss the different types of input and output devices used in computers (10)
- Q2. Discuss different types of binary operations (addition, subtraction, with the help of examples) (10)
- Q3. Discuss the basic anatomy of computer system using a diagram. (10)
- Q4. What are secondary storage devices? Discuss few secondary storage devices (10)

SECTION-B

- Q5. What is a network topology? Explain different types of topologies for networking. Discuss advantages and disadvantages of each. (10)
- Q6. Define operating system. How OS acts like a manager in computer system? Discuss different functions of operating system. (10)
- Q7. Discuss about ASCII, Grey Code. Write major difference between these two computer codes (10)
- Q8. Discuss different models of E-commerce along with the advantages and applications of each model (10)

SECTION-C

Q9

- a. What is purpose of memory? Difference between RAM and ROM
- b. What is difference between compiler and interpreter?
- c. What is a BCD?
- d. What is difference between high level and low level language?
- e. Define software. What is application software?
- f. What is a B2B in e-commerce?
- g. What is purpose of OCR? Give example
- h. What is ALU? How ALU helps in achieving high computational power in a computer?
- i. Define Wide Area Network. Give some examples
- j. What is the difference between optical disk, hard disk and floppy disk?

(10*3=30)