

Roll No.

Total Pages : 3

7327/N

J-25/2110

**INTRODUCTION TO INFORMATION
TECHNOLOGY**

Paper-MS-111

Semester-I

Time allowed : 3 Hours] [Maximum Marks : 70

Note : The candidate are required to attempt **two** questions each from Section A and Section B carrying **10½** marks each and entire section C is compulsory consisting of **7** short answer type questions of **4** marks each.

SECTION-A

1. What do you mean by computer? What are its characteristics? Draw a block diagram of a computer and explain various components. 10½

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2. Explain the process of converting the decimal number to octal number and vice-versa with the help of an example. 10½
3. What do you mean by input and output devices? What are the various I/O devices used in computer systems? Discuss any two input devices in brief. 10½
4. What do you mean by memory? What are different types of memories? Discuss in detail. 10½

SECTION-B

5. What do you mean by high level language? What are salient features of high level language? 10½
6. Define computer network? What are various types of computer networks? Discuss in detail. 10½
7. What is Internet? What are various applications of internet? What are the advantages and disadvantages of internet? 10½

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8. What do you mean by multimedia? What are various components of multimedia? Discuss various applications of multimedia in detail. 10½

SECTION-C

9. (i) Differentiate between 3rd generation and 4th generation of computers. 4
- (ii) Subtract binary number (10101010) from (1110100) using 1's and 2's compliment. 4
- (iii) Differentiate between OCR and OMR. 4
- (iv) Discuss the working of light pen in brief. 4
- (v) Briefly discuss the functions of an operating system. 4
- (vi) What are the merits and demerits of 4th generation language? 4
- (vii) What do you mean by e-commerce? What are its merits? 4