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**END SEMESTER REGULAR  
EXAMINATION, MAY/JUNE – 2025**

Semester : 2nd (NEP)

Course Code : ES-202

**INTRODUCTION TO IT SYSTEMS**

Full Marks – 60

Pass Mark – 24

Time – Three hours

The figures in the margin indicate full marks  
for the questions.

**Instructions :**

(i) Question Nos. 1, 2 and 3 are compulsory.

(ii) Answer any *five* questions from Q. Nos. 4 to 11.

1. Choose any one option for each of the questions  
below : 1×5=5

(a) The system unit that contains the most vital  
part of the personal computer is called

(i) CPU

(ii) BIOS chip

(iii) Motherboard

(iv) Monitor

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(b) Which of the following languages is directly understandable by a computer ?

- (i) Machine language
- (ii) Assembly language
- (iii) High level language
- (iv) Query language

(c) Which among the following is the fastest memory in a computer that holds information ?

- (i) Register                      (ii) Cache
- (iii) Main memory              (iv) RAM

(d) Recently deleted files are stored in

- (i) Recycle bin                      (ii) Task bar
- (iii) Desktop                      (iv) My Computer

(e) What is the base of the binary number system ?

- (i) 10                                  (ii) 2
- (iii) 16                                (iv) 8

2. Fill in the blanks : 1×5=5

- (a) \_\_\_\_\_ is a character encoding standard that represents characters using 7 bits.
- (b) The HTML tag used to create an ordered list is \_\_\_\_\_.
- (c) In CSS, the \_\_\_\_\_ property is used to change the background color of an element.
- (d) \_\_\_\_\_ acts as an interface between the user and the hardware.
- (e) The root element of an HTML document is \_\_\_\_\_.

3. Write True or False : 1×5=5

- (a) CSV extension is compatible with Microsoft office writer.
- (b) Multitasking allows an operating system to run multiple programs concurrently by rapidly switching between them.
- (c) Phishing is a type of malware that replicates itself and spreads from computer to computer.
- (d) A firewall is a software application that detects and removes viruses from your computer.

- (e) The full form of HTTP is Hyper Text Transfer Protocol.
4. (a) Define a Computer system. 2
- (b) Draw a block diagram of a computer system, clearly showing the main components and the flow of data between them. 3
- (c) What are the operations performed by a computer system? Explain in brief. 4
5. (a) What is a Web browser? 2
- (b) Describe the differences between : 3
- (i) HTTP and HTTPS
- (ii) Internet and WWW.
- (c) Define the following : 4
- (i) Search engine (ii) Browser
- (iii) IP address (iv) Cookies.
6. (a) What is an Operating system? 2
- (b) Briefly describe the functions of Operating systems. 3
- (c) Explain the concepts of multitasking and multiprogramming. 4

7. (a) What is the full form of BCD code? 1
- (b) Convert the following :
- (i) Decimal to binary : 122 2
- (ii) Binary to decimal :  $1011011_2$  2
- (iii) Hexadecimal to binary :  $2A8_{16}$  2
- (iv) Octal to binary :  $247_8$  2
8. (a) What is the full form of HTML? 1
- (b) What are the differences between container tag and empty tag? 2
- (c) How many headers are used in HTML? 1
- (d) What are the tags associated with the table? 3
- (e) Write HTML code to display a paragraph "This is my first paragraph". 2
9. (a) What is the full form of CSS? 1
- (b) Define internal, inline and external types in CSS. 6
- (c) What are the advantages of CSS? 2

10. (a) What is the use of header and footer in Open Office Writer ? 2
- (b) Which menu in open office writer can be used to change page size ? 1
- (c) How do you add a new slide to an Impress presentation ? 1
- (d) Describe the steps to create a table of dimension 4\*4 in Writer. 3
- (e) What is the basic syntax for a sum function in Open Office Calc ? 1
- (f) How do you create a chart in open office Calc ? 1
11. (a) What is information security and why do you need it ? 2
- (b) What is the key difference between a computer virus and computer worm ? 2
- (c) Describe three methods to prevent email hijacking. 3
- (d) What is antivirus software ? 1
- (e) What is a firewall ? 1