No. of Printed Pages—2

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[21 HRKP1S(N)–22A]

DCA/PGDCA/MScIT 1st Semester (New) Exam., 2021 (W)

COMPUTER FUNDAMENTALS AND PC SOFTWARE

(Theory)

[PGCA/ScIT S1 01]

Full Marks : 50

Time : 2 hours

The figures in the margin indicate full marks for the questions

1. Answer any *three* from the following questions : 3×3=9

   (a) Find 1's and 2's complement of the binary numbers 101101 and 1101.

   (b) What are the goals of computer security?

   (c) How does the Optical Barcode Reader (OBR) work?

   (d) In an MS-DOS operating system, what are internal and external commands?

2. Answer any *one* from the following questions : 5

   (a) Describe the working of a computer virus.

   (b) Explain the different types of printers.

3. Answer any *two* from the following questions : 6×2=12

   (a) What are Excel functions? Give the steps to insert a function. Also give two examples of Excel functions along with their descriptions. 2+2+2=6

   (b) What are the main components of LINUX operating system? Write the functions of the following DOS commands :

   TYPE, XCOPY, DEL, VER

   (c) Describe the different types of primary memory.

4. Answer any *three* from the following questions : 8×3=24

(a) Define cyber crime. What is the Information Technology Act of 2000? Describe in brief any five types of cyber crime. 1+2+5=8

(b) Describe the different types of operating system.

(c) Explain the steps involved in paragraph formatting in MS-Word. Explain any four features of Windows operating system.

(d) Describe the important features of the various generations of computers.

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