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[22-HKPD1SN-23A]

DCA/PGDCA/MScIT 1st Semester (New) Exam. 2022 (W)

(*Computer Fundamentals and PC Software (Theory)*)

[PGCA/SCIT S1-01]

Full Marks : 50

Time : 2 hours

The figures in the right-hand margin indicate marks.

1. Answer any *four* from the following questions : $2 \times 4 = 8$

(*a*) What are trojan horses in relation to computer security ?

(*b*) Define hacking. What are ethical hackers ?

(*c*) Define Original Equipment Manufacturer (OEM).

(*d*) What is a batch file ? What is the extension of DOS batch files ?

(*e*) How do we close and minimize a window in Windows Operating system ?

2. Answer any *two* from the following questions : $4 \times 2 = 8$

(*a*) (*i*) Find the binary equivalent of octal the number $(135 \cdot 46)_8$.

(*ii*) Add 13 and –15 in binary using 7 bit register in signed 2's complement representation.

(*b*) What are the different types of Read Only Memory (ROM) ?

(*c*) Differentiate between static RAM and dynamic RAM.

3. Answer any *three* from the following questions : $6 \times 3 = 18$

(*a*) Explain the booting process of LINUX operating system.

(*b*) How can we apply custom animation to Power Point presentation slides ?

(*c*) Explain the steps needed to insert a function in MS-Excel. Also give the steps to create a chart in MS-Excel. 4+2 = 6

(*d*) What are the characteristics of third and fourth generation of computers ? Give four areas where super computers are used. 4+2 = 6

4. Answer any *two* from the following questions : $8 \times 2 = 16$

(*a*) Describe the different functions that are performed by an operating system.

(*b*) Define digital forgery. Describe the different types of digital forgery.

(*c*) Describe the steps to create a new table in word document. Give the steps to merge and split two or more cells in a table.
