

[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 × 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 × 2 = 8
- (a) (i) Find the binary equivalent of octal the number $(135.46)_8$.
 - (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.

(Turn Over)

(2)

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.
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