

Total No. of Printed Pages—3

1 SEM TDC CAP G 1

2013

(November)

COMPUTER APPLICATION

(General)

Course : 101

(**Computer Fundamentals**)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

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

1. Answer the following briefly : 1×8=8

- (a) What is the full form of DBMS?
- (b) What is OS?
- (c) Name one network protocol.
- (d) Name one search engine.
- (e) What is binary system?
- (f) What is 4 GL?

(2)

(g) What is the base of octal number system?

(h) Name one output device.

2. Answer any *three* of the following : $4 \times 3 = 12$

(a) Write about input and output devices.

(b) Write about classification of computers.

(c) Write about adder circuits and flip flops.

(d) Write about Internet and WWW.

3. Answer any *four* of the following : $15 \times 4 = 60$

(a) Write about LAN, MAN and WAN.

(b) Write about merits and demerits of DBMS.

(c) Write about machine, assembly and high-level languages.

(d) Write about principle of duality and De Morgan's theorem.

(e) Write about various storage devices.

(3)

(f) Find 1's and 2's complements of the following binary numbers :

(i) 1001

(ii) 11100

(iii) 000

(iv) 111

(v) 100.1

(g) Write about the application of computer. Draw the block diagram of a computer.
