1 SEM TDC CAP G

2016

(November)

COMPUTER APPLICATION

(General)

Course: 101

(Computer Fundamentals)

Full Marks: 80

Pass Marks: 32 (Backlog) / 24 (2014 onwards)

Time: 3 hours

The figures in the margin indicate full marks for the questions 1×8=8

- Answer the following briefly:
- What is the full form of BCD? (a) What is unicode?
 - (b) What is topology? (c)
 - Name one search engine. (d)
 - What is DBMS? Name two storage devices. (e)
 - What is system software? **(f)**
 - (g) What is 4GL?
- (h) (Turn Over)

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- 2. Answer any three of the following:
- (a) Write about different types of computer.
- Describe the functions of operating system. Write about Boolean algebra.
- (d) Write briefly about Web browsers.
- 3. Answer any four of the following:
 - 15×4=60 Find 1's and 2's complements of the following binary numbers: (i) 1011
 - 10011 (iii) 000 (iv) 111
 - 101.1 (b) Convert the following:
- (i) (82)₁₀ into its binary equivalent $(1011 \cdot 01)_2$ into decimal equivalent (iii) (465)₈ into decimal equivalent (iv) (10110101)₂ into its hexadecimal
- Explain logic gates with the help of truth table and examples. (d) Write about signed/unsigned numbers. Write about adder circuits and flip-flops.

- Write about input and output devices with examples.
- network computer about Write topologies. assembly and machine, Compare
- (g) high-level languages. .★**★**★

P7/17 (Continued) P7-1200/17