



SB - 169

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B.C.A. (Part - I) (Semester - I) Examination, October - 2019

FUNDAMENTALS OF COMPUTERS

Sub. Code : 59569

Day and Date : Wednesday, 23 - 10 - 2019

Total Marks : 80

Time : 03.00 p.m. to 06.00 p.m.

Instructions : 1) Attempt any Four Questions from Q. No. 1 to Q. No. 7 and Q. No. 8 is compulsory.

2) Figures to the right indicates full marks.

Q1) a) What is Compiler? Differentiate between compiler and Interpreter. [8]

b) What is operating system? Explain its functions in detail. [8]

Q2) a) What do you mean by Input Device? Explain pointing devices in detail. [8]

b) Calculate the decimal equivalent of following numbers

i) 100101_2 [4]

ii) 123_8 [4]

Q3) a) Write any two internal and external DOS commands with its syntax and example. [8]

b) List different output devices. Explain monitors and screen image projector. [8]

Q4) a) Explain different types of operating systems with their features [8]

b) Calculate the binary equivalent of following numbers

i) 13_{10} [4]

ii) $4E_{16}$ [4]

Q5) a) What is computer language? Explain any two HLL languages in detail. [8]

b) What is primary memory of computer? Explain its types. [8]

Q6) a) What is windows operating system? Explain windows explorer and control panel. [8]

b) Calculate the octal equivalent of following numbers

i) 1110101110_2 [4]

ii) 110_{10} [4]

P.T.O.

- Q7) a) Define computer. Explain organization of computer with block diagram.[8]
b) What is secondary memory? Explain flash drives and magnetic tape.[8]

Q8) Write the short notes on (Any Four) :

[4 × 4 = 16]

- a) Characteristics of computer
b) Keyboard
c) EBCDIC
d) Notepad
e) Interpreter.

