



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examinations (December 2018)

School: School of Information Technology

Program: BCA

Course: Computer Fundamentals and Organizations

Course Code: CSC 102

Semester: First

Max Marks: 50

Duration (mins): 90

Section A

Q1. Answer the following. (Any Five)

10 Marks

- a) Define computer. Why it is known as data processor.
- b) Define the following terms:
 - i. Computer Hardware
 - ii. Computer Software
- c) Differentiate between volatile and non-volatile memory.
- d) Define Intranet and Internet.
- e) List out various types of web browsers.
- f) Compare compiler and interpreter.
- g) List some advantages of Windows over DOS system.

Section B

Q2. Answer the following (Any Four)

20 Marks

- a) What are the various computer applications? Explain any two applications.
- b) List and explain the different types of memory?
- c) Describe the features of each component of CPU.
- d) Explain LAN, MAN and WAN.
- e) Explain computer virus and its types.
- f) Describe various types of computer languages and their translators.

Section C

Q3. Answer the following (Any Two)

20 Marks

a) Discuss various types of Input Output devices used in computer.

b) Convert the following:

i. $(255)_{10} = (?)_2$

ii. $(2132)_{10} = (?)_{16}$

iii. $(.375)_{10} = (?)_2$

iv. $(1010110)_2 = (?)_{10}$

v. $(A.28F5C)_{16} = (?)_{10}$

c) Describe the basic logic gates with symbol and truth table:

i. AND Gate

ii. OR Gate

iii. NAND Gate

iv. NOR Gate

v. XOR Gate

d) Describe the following features of MS Word:

i. Save

ii. Print

iii. Spell Check

iv. Table

v. Export
