

V.P. & R.P.T.P. SCIENCE COLLEGE

S.Y.B.Sc EXAMINATION

SEMESTER – IV

US04CCSC02: Operating System



Date: 08/03/2017

Time: 03:00pm to 04:30pm

Marks: 25

Q1 Multiple choice of Question:

[3]

- 1) Multi-user operating system allows _____ users to run programs at the same time.
(a) Two (b) Three (c) Many (d) Ten
- 2) Machine readable I/O device is
(a) USB (b) modem (c) printer (d) all of above.
- 3) The memory address starts from _____ in computer.
(a) 0 (zero) (b) 1 (one) (c) 2 (two) (d) None of these

Q2 Answer the following in short (Any 2):

[4]

- 1) List and explain the components of a Computer System.
- 2) List the categories of external devices that engage in I/O with computer system.
- 3) Define the term 'Process' and 'aging'.

Q3 Explain the following function of an Operating System :

(i) Process Management (ii) Memory Management.

[6]

OR

Q3 Explain in brief the Client-Server model .

[6]

Q4 Explain in brief the DMA block diagram.

[6]

OR

Q4 Write brief note on followings:

- a) First Come First Serve Scheduling b) Round Robin Scheduling

[6]

Q5 What is Page Replacement Algorithm? Explain in brief.

[6]

OR

Q5 Discuss in brief the 'Address Binding'

[6]