V.P. & R.P.T.P. SCIENCE COLLEGE
S.Y.B.Sc. (SEMESTER – IV)
INTERNAL TEST: MAR-2018
US04CCSC02: Operating System

DATE: 14/03/2018   TIME: 03:00pm to 04:30pm   MARKS: 25

Q.1 Multiple Choice Question   [03]

1. Multi-user operating system allows _____ users to run programs at the same time.
   (a) Two   (b) Many   (c) Three   (d) Ten

2. The full form of PCB is _____.
   (a) Process Central Block   (b) Process Control Block
   (c) Programming Control Block   (d) Programming Central Block

3. The memory address starts from _____ in computer.
   (a)1 (one)   (b) 0 (zero)   (c) 2 (two)   (d) None of above

Q.2 Answer the following in short (Any two)   [04]

1. List the components of a Computer System.
2. List the categories of external devices that engage in I/O with computer system.
3. What is Swapping Process?

Q.3 Explain the following function of an Operating System: [06]
   (i) Process Management   (ii) Memory Management

                    OR

Q.3 Explain in brief the Layered Systems.   [06]

Q.4 Explain in brief the DMA block diagram.   [06]

                    OR

Q.4 Explain in brief the Process State and Transitions.   [06]

Q.5 Discuss in brief the 'Address Bindings'.   [06]

                    OR

Q.5 What is Contiguous Memory Allocation? Explain.   [06]