B.Tech. – VIEP – COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

June, 2017

00345

BICS-019 : OPERATING SYSTEMS

Time : 3 hours   *Maximum Marks : 70*

Note : *Question no. 1 is* **compulsory**. *Attempt any* **six** *questions from the rest. All questions carry equal marks.*

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1. Explain different types of computer systems. *10*

2. Discuss the storage device hierarchy. *10*

3. What is a process ? Explain various process states with a neat diagram and discuss Process Control Block. *10*

4. What do you mean by scheduling ? Explain various scheduling algorithms. *10*

5. Discuss briefly the logical and physical address space. *10*

6. Explain the concept of demand paging. *10*

7. (a) Briefly discuss the access methods of a file. *5*

(b) Explain Protection in a computer system. *5*

8. (a) Discuss the directory structure concept in file management. *5*

(b) Describe the various allocation methods of files. *5*

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