(b) What are page replacement algorithmic? in.

U V

8. What do you u tand by file system structure? Desci he various types of allocation methoc

9. What is disk-s uling? Discuss the following disk s uling methods with example.

(a) FCFS

(b) SSTF

(c) LOOK

(d) C-LOOK

— —

Roll No. .....

97669

B.C.A. 3rd Semester (New) Examination– November, 2016

Introduction to Operating System

Paper-BCA-201

Time : 3 hours ***Max. Marks : 80***

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt **five** questions in all by selecting **one** question from each unit. Q.1 is **compulsory**. All questions carry equal marks.

1. (a) What is real time system ?

(b) What do you mean by process ?

(c) What is deadlock ?

(d) What is swa ; ?

(e) What is seg ation ?

(f) What is virt emory ?

(g) What is Bit· r?

(h) What is c-s·

:-I

2. (a) what is an ating System? Discuss the service vided by an operating system.

(b) Explain:

(i) Distribu /stem

(ii) Parallel m.

3. Explain the foll :

(a) Threads an r uses

(b) Inter-Proce nmunication

Unit-II

4. What do you mean by scheduling ? Explain various scheduling algorithms with example.

5. (a) Differentiate 'deadlock avoidance', 'deadlock prevention' and 'deadlock detection'.

(b) Describe Banker's algorithm.

Unit-III

6. (a) Discuss Logical and Physical address space.

(b) What is thrashing ? What causes thrashing? How do we overcome it? Explain.

7. (a) What do you mean by page replacement ?