Bharati Vidyapeeth
(Deemed to be University), Pune
School of Distance Education

Assignment No.	01	Name of the Assignment Setter:		Dr. Mrs. S.V.Deshmukh	
Course:	2018 Course	Class:	BCA	Semester:	III

Subject:	Operating Systems

Q.1) Attempt **ANY ONE** of the Following **(1000 Words)** **(10)**

   a) What is an Operating System? Explain various functions of operating system.

   b) Explain various process states and state transitions.

Q.2) Attempt **ANY TWO** of the Following **(800 Words)** **(12)**

   a) Explain in detail logical and physical address space.

   b) What is deadlock? Explain Conditions to occur the deadlock.

   c) Explain the disk scheduling algorithms (FCFS, SSTF, SCAN, LOOK, C-SCAN and C-LOOK) with examples.

   d) Explain various types of Operating Systems.

Q.3) Write Short Notes on **(ANY TWO)** **(08)**

   a) Contiguous and non-contiguous memory allocation

   b) Hierarchical directory system

   c) Banker's algorithm

   d) Paging Concept

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