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Paper Code :DCS-202

Roll No.

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ADCA-09, BCA-10
2nd Year Examination, Calendar Batch 2016
Operating System
&
Introduction to Assembly Language

Time : 3 Hours]

[Max. Marks : 100

*Note. Attempt any **five** questions. All questions carry equal marks.*

- Q.1** What do you mean by term Scheduling? Describe different type of scheduling algorithm.
- Q.2** What is demand paging? When do page fault can occur? Explain various methods of deadlock handling.
- Q.3** Write short note on-
a) Scheduling Queues b) CPU/ IO Burst Cycle
c) First – Come-First Served Scheduling
- Q.4** Classify Operating System and the various function of Operating System.
- Q.5** Explain in detail the structure of 8086 microprocessor with its block diagram and the addressing modes used by the 8086 Microprocessor.
- Q.6** Explain the types of assembly program and how to write a good assembly program.
- Q.7** What do you mean by security attacks and security services? Give a classification of both with various security mechanisms.
- Q.8** What do you mean by deadlock? Explain its necessary condition with various deadlock prevention and deadlock recovery methods.