

Ex/INT/M/Unit-7/30/2018

BACHELOR OF SCIENCE EXAMINATION, 2018

(2nd Year, 1st Semester)

COMPUTER SCIENCE

Unit - 7

Full Marks : 50

Time : Two Hours

The figures in the margin indicate full marks.

Answer any *five* questions.

1. What is compiler ? Why do we need compiler ? Distinguish between compiler and interpreter. Draw a figure for structure of a compiler indicating different phases of compiler. 10
2. What is parser ? What are the functions of parser ? Discuss the functions with examples. 10
3. What is an operating system ? Give a brief view of the evolution of operating systems. 10
4. Write the components of an operating systems. Also write their main functions. 10

[Turn over]

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5. What is process scheduling ? What are the different type of schedulers ? Discuss their functions in brief. 10
6. Describe the following scheduling algorithms with example.
- (i) Shortest Job First
 - (ii) Priority Scheduling
 - (iii) Round Robin Scheduling. 10
7. Discuss in brief the different disk scheduling methods. 10
8. Describe in brief the following memory management scheme with example.
- (i) Partitioned allocation
 - (ii) Relocatable partitioned allocation
 - (iii) Paged allocation. 10
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