Roll No. | | | | | | | | | | | | |

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CSE) (Sem.–6)

REAL TIME SYSTEMS

Subject Code : CS-324

Paper ID : [A0475]

Time : 3 Hrs. Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

Explain the following :

1) Static priority algorithm

2) Traditional performance measures

3) Round robin scheduling

4) Capacity reliability

5) Real time systems

6) Kernel

7) Interrupt driven system

8) Compare instruction

9) Periodic task

10) Temporal constraint

SECTION-B

11) What is EDF algorithm? Explain.

12) Discuss various architecture issues in real time communication.

13) How is memory divided in RTS? Explain.

14) Discuss performance measures of RTS.

15) Explain Bin packing algorithm for scheduling.

SECTION-C

16) Explain rate monotonic algorithm with suitable example.

17) Write a detailed note on deadlock.

18) Write a note on hierarchical round robin protocol.