



GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

(Accredited by NAAC “A+” Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

II B.Sc.

Semester-III

Operating Systems

MODEL QUESTION PAPER (W.E.F 2023-2024)

Time: 2 ½ Hrs.

Max Marks: 50 M

SECTION - I

Answer any FIVE questions

5 X 3= 15M

1. Write a short note on work station and hand held devices.
2. Write a short note on history of Operating System.
3. Write a short note on system calls.
4. Write a short note on thread libraries.
5. Write a short note on semaphores.
6. Write a short note on necessary conditions for deadlock.
7. Write a short note on Physical and Virtual address space.
8. Write a short note pipes.

SECTION - II

Answer the following questions

5 X 7 = 35M

9. Explain about types of Operating Systems.

(OR)

10. Explain about functions of operating systems.

11. Explain about preemptive scheduling algorithms.

(OR)

12. Explain about non preemptive scheduling algorithms.

13. Explain Dead lock avoidance algorithm.

(OR)



14. Explain methods of Inter process communication.

15. Explain about paging and segmentation techniques with examples.

(OR)

16. Explain virtual memory concept with examples.

17. Explain about disk scheduling algorithms.

(OR)

18. Explain File allocation methods with example.