GOVERNMENT COLLEGE (AUTONOMOUS), RAJAHMUNDRY

(Accredited by NAAC "A+" Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

II B.Sc. (Hons)-AI: Semester-III

Operating Systems

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

Time: 2 ½ Hrs.   **Max Marks: 50 M**

SECTION - A

Answer any FIVE Questions   **5 X 3= 15M**

1. Write about Distributed Operating systems.

2. Write a short note on Operating System services.

3. Explain about different types of Schedulers.

4. Write about Synchronization with an example.

5. Explain about Virtual Memory.

6. Discuss about swapping.

7. how to run basic UNIX commands.

8. Explain about Command line arguments.

SECTION - B

Answer following questions   **5 X 7 = 35M**

9. What is an Operating system?Write the functions of the OS.

(OR)

10. Write any 5 types of Operating systems..

11. Explain about the Critical section problem.

(OR)

12. What is Process? Explain about the Process Control Block.

13. Explain about FIFO with an example.

(OR)

14. Explain briefly about Paging.

15. Explain about Features of UNIX.

(OR)

16. Explain about UNIX Commands.

17. Explain about Logical operators for conditional execution in Shell Programming.

(OR)

18. Explain about if, while, for and case control statements in Shell Programming.