

SECTION-B

11. Explain different roles of operating system in brief. (5)
12. Explain in detail the following CPU scheduling algorithms :
 - (a) Shortest Job First. (2.5)
 - (b) Multilevel feedback Queue scheduling. (2.5)
13. Write a brief note on Segmentation scheme of memory management. (5)
14. Differentiate between UNIX and Windows based operating systems. (5)
15. Define the term security. Explain various goals of security (5)

SECTION-C

16. Explain in detail the various Algorithms of Disk Scheduling with an example. (10)
17. (a) Explain in detail the Layered Architecture of an OS. (5)
(b) Write a brief note on Logical File System. (5)
18. Explain **any three** Page Replacement algorithms with an example. (10)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.