Mod 1 Pyqs

2024:

ii)	"Operating system is resource manager"-Justify this statement with suitable functionality of OS.	5
vi)	What is a System call? Explain in detail the system call sequence to copy the contents of one file to another file.	5 5
iv)	Explain system Boot Process.	5 5

2023:

Q2 A	Explain the layered approach to Operating system design? Give the advantages and disadvantages of using the layered approach?	10

2022:

Qn No.		Max. Marks
Q1 (a)	Differentiate between monolithic and microkernel	05
Q1 (b)	Define the term Critical section and Race condition.	05
Q2 (b)	What are System calls? List and explain file-handling system calls. OR Explain Process control fork(), exec(), and wait() System calls.	10
Q3 (a)	Explain the following in brief	

2021:

(a) Mention the role of a kernel and shell in an operating system.

(b) Write any four points of difference between multicore and multiprocessor architectures.

(f) List any four major services provided by the operating system.

(g) How do you determine whether the system is in safe or unsafe state?

(a) List the steps in the design of a two-pass Macro-processor.

2019:

Q.1 (a)	Draw and explain the Android operating system architecture.	10

2018:

Question No.		Marks
Q 1 (a)	What is a Monolithic structure? What is a Microkernel? Draw neat diagrams and give example for each.	10
Q 1 (b)	Write a short note on – Shell. OR Write a short note on – Android Operating System.	10

2017:

Q.2(b)	What are the advantages and disadvantages of using ULT's instead of KLT's.	5
Q.5(b)	Explain the structure of Modern UNIX file system with the help of Diagram.	10