No.

PAPER CODE U222-215(ESE)

May 2022 (ENDSEM) EXAM

S.Y. B. TECH. (SEMESTER - II) AT& DS

COURSE NAME: Operating System

COURSE CODE: ADVA 22205

(PATTERN 2020)

Time: [1Hr] [Max. Marks: 30]

(*) Instructions to candidates:

- 1) Figures to the right indicate full marks.
- 2) 'a' part of every question is compulsory
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

Q.1	a) Discuss the importance of Lock and implementation of Lock using Disabling and enabling Interrupts.	[4]
	b) Discuss the concept of Dining Philosophers with appropriate example. OR	[6]
	b) Interpret the concept of Pthread Locks and Building A Lock.	
		[6]
Q2	a) Compare Explicit I/O and Memory Mapped I/O.	[4]
	b) Interpret your views on Files and Directories.	[6]
	OR	
	b) Discuss characteristics of RAID level 5 with neat diagram and example.	[6]
Q.3	a) Discuss XOR Function in Checksum.	[4]
(Sept.)	b) Interpret your views on Performance evaluation factors of computer	[6]
	systems.	
	OR	
	b) Discuss Steps for Using Checksum	[6]