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Code No: 138EK

R16

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, December - 2020

AG AG AG AG AG AG AG A
REAL-TIME SYSTEMS
(Common to CSE, IT)

Time: 2 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks

- AG 1.a) What is the difference between Linux and UNIX? AG [7+8] A
b) Illustrate fork() system call with a sample program AG
2. Discuss the following system calls: AG [7+8] A
a) open() b) lseek().
3. What is the significance of weighted round robin approach for real time scheduling? AG [15] A
Mention the merits and demerits of weighted round robin scheduling with priority driven scheduling.
4. Explain various operations performed on Tasks. AG [15] A
5. Describe about I/O sub system and layered model. AG [15] A
6. Explain Event Registers in detail. AG [15] A
7. What is an Exception? What is an Interrupt? Explain processing of handling Exceptions. AG [15] A
8. Write a short note on Tiny OS and Android OS. AG [15] A

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