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Total No. of Printed Pages: 01

G.R. No.	
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*SCHEME paper code: P119-132(CT1)*

**OCTOBER 2019 / INSEM (T1)**

**F. Y. M. TECH. (COMPUTER ENGINEERING)**

**(SEMESTER - I)**

**COURSE NAME: OPERATING SYSTEM DESIGN**

**COURSE CODE: CSPA11182**

**(PATTERN 2018:R1) Marking Scheme**

Time: [1 Hour]

[Max. Marks: 20]

**Instructions to candidates:**

- 1) Answer Q.1 OR Q.2, Q.3 OR Q.4
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

Q.1) advantages of virtualizing a hardware resources?

[6]

The control registers in user mode ?

[4]

**OR**

Q.2) Discuss about Windows OS, Virtual resources, Multiplexing

[10]

Q.3) race condition, atomic action, critical section and mutual exclusion.

[10]

**OR**

Q.4) Effect of this change on users of operating system

[10]