Roll No: -----

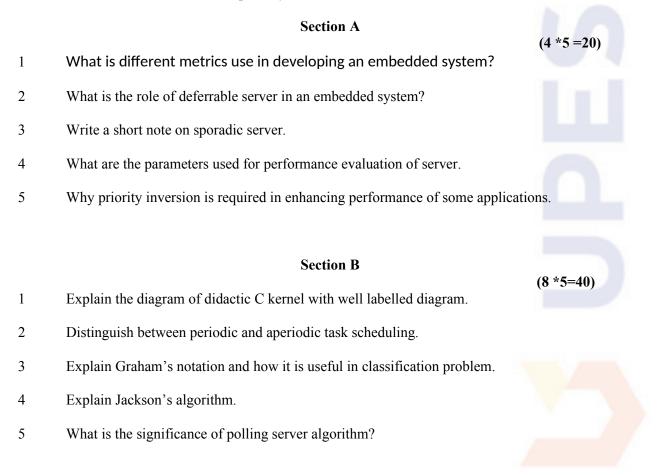


UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: Btech CSE+TI	Semester – VII	
Subject (Course): Real Time Operating System Internals	Max. Marks :	100
Course Code :CSIB-475	Duration :	3 Hrs
No. of page/s:		

Instruction: All Questions are Compulsory



Section C

(20*2=40)

- 1. Draw well labelled diagram of embedded system design and development life cycle and explain it in detail.
- 2. Explain the proof of RM optimality.



Roll No: -----



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: Btech CSE+TISemester - VIISubject (Course): Real Time Operating System InternalsMax. Marks : 100Course Code :CSIB-475Duration : 3 HrsNo. of page/s:No. 3 Hrs

Instruction: All Questions are Compulsory

Section A (4 *5 =20)			
1	Enlist the types of task.	(4 - 3 - 20)	
2	What is the importance of deferrable server in an embedded system?		
3	If data is linearly separable and non-separable, which type of network is suitable purpose?	e for classification	
4	Write a short note on sporadic server.		
5	Explain resource constraints.		
Section B			
1	What is the role of stack based priority ceiling protocol.	(8 *5=40)	
2	Explain Earliest Deadline First Algorithm.		
3	Explain different processor technology that can be used in designing the system.	embedded	
4	Differentiate between priority inversion and priority inheritance		

5 What are the execution criteria of task management?

Section C

(20*2=40)

- 1. Draw well labelled diagram of functions of real time operating system and explain all the functions in detail.
- 2. Explain paging concept in detail.

