

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Operating System

Subject Code : 4CS02OPR1

Branch: M.Sc. C.A. & I.T. (Integrated)

Semester : 2

Date: 23/10/2018

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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- Q-1 Attempt the following questions: (14)**
- a) What is Operating System? 1
 - b) Enlist the types of Operating System. 1
 - c) EDF stands for _____ 1
(A) Earliest Deadline First (B) Earliest Deadlock First
(C) Earliest Deadlink first (D) None of these
 - d) Which is Dynamic Scheduling Policy? 1
(A)Fixed Priority Scheduling
(B)Earliest Deadline First
(C)Rate Monotonic
(d) None of These
 - e) What is Scheduling? 1
 - f) Which is Static Scheduling Policy? 1
(A)FPS
(B) LST
(C)EDF
(D)All of Above
 - g) Which one is not operating system? 1
(A)Windows-XP
(B) Windows-98
(C) LINUX
(D)Oracle
 - h) RTOs is known as _____ 1
(1) Real Time Operating System
(2) Run-Time Operating System
(3) Run-Track Operating System
(4) None of these
 - i) Which command is used to show all login users in UNIX? 1



- (1)Who am I
 (2)Who
 (3)When
 (4)None of these
- j) PCB stands for _____ 1
- k) _____ is Fixed Priority based Scheduling policy. 1
 (1) Rate Monotonic (2) Dynamic Monotonic (3) Dynamic Motion (4) None of these
- l) What is kernel? 1
- m) Which one is not scheduling policy? 1
 (1) Thread (2) Simultaneously (3) Rate Monotonic (4) FPS
- n) Enlist any two Internal Commands for DOS. 1

Attempt any four questions from Q-2 to Q-8

- Q-2 Attempt all questions (14)**
 (A) Explain Batch Operating System in brief. (10)
 (B) Enlist the Functions of Operating System. Explain in brief. (4)
- Q-3 Attempt all questions (14)**
 (A) Write a brief note on UNIX Architecture. (7)
 (B) Explain Who and Who am I Command in Unix with example. (7)
- Q-4 Attempt all questions (14)**
 (A) Explain ls Command with all Options (7)
 (B) Explain the Various Steps to Change Password in UNIX. (7)
- Q-5 Attempt all questions (14)**
 (A) Explain the Real-Time Operating System in brief. (7)
 (B) Explain ESCAPE Sequence in brief. (7)
- Q-6 Attempt all questions (14)**
 (A) Explain Unix Standard Streams in brief. (7)
 (B) Explain PR Command with Example. (7)
- Q-7 Attempt all questions (14)**
 (A) Write a brief note on File Access Modes. (7)
 (B) Write a brief note on Kernel. (7)
- Q-8 Attempt all questions (14)**
 (A) Write a brief note on Internet Technology. (7)
 (B) What is Window Operating System? Explain its Components in brief. (7)

