

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Winter Examination-2019

**Subject Name : Operating System**

**Subject Code : 4CS02OPR1**

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

**Semester : 2**

**Date : 12/09/2019**

**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.
- 

<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) What is Process?	1
	b) Define Shell.	1
	c) Write full form of EDF.	1
	d) Define Operating System.	1
	e) Enlist two internal commands for DOS.	1
	f) What is Directory?	1
	g) Enlist the types of Operating System.	1
	h) Write full form of IPC.	1
	i) Write full form of PCB.	1
	j) Define Memory.	1
	k) What is Scheduling?	1
	l) Define Kernel.	1
	m) Write in brief about 'Who am I' command in UNIX.	2

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

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Write a note on UNIX Architecture.	7
	B Describe Escape Sequence.	7
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Explain Real-Time Operating System.	7
	B Describe Computer system organization with the help of diagram.	7
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Enlist the functions of Operating System. Explain them in brief.	7
	B Explain Unix Standard Streams.	7



<b>Q-5</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Explain various steps to Change Password in UNIX.	<b>7</b>
<b>B</b>	Write a note on File Access modes.	<b>7</b>
<b>Q-6</b>	What is Windows Operating System? Explain its Components in detail.	<b>(14)</b>
<b>Q-7</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Describe file sharing and protection.	<b>7</b>
<b>B</b>	Write a note on Internet Technology.	<b>7</b>
<b>Q-8</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Write a note on Multithreading model.	<b>7</b>
<b>B</b>	Describe all process states with the help of figure.	<b>7</b>

