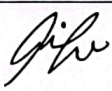
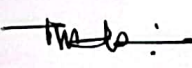
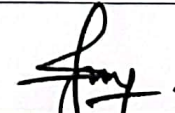



BORANG VETTING PENILAIAN BERTERUSAN

KOD KURSUS	: DEC50103
NAMA KURSUS	: OPERATING SYSTEMS
PROGRAM/ KELAS	: DTK
JENIS PENILAIAN/ SESI GUBAL/ SET	: QUIZ 1 / I 2022/2023 / SET H
MASA PENILAIAN	: 30 MINIT
MARKAH	: 20

SENARAI SEMAK VETTING	SEMAKAN (✓)
Kata tugas, konteks dan stimulus bersifat jelas (kebolehfahaman terhadap item dan tidak mengelirukan)	/
Akur AST/ CIST (CIST perlu disertakan)	/
Aras domain taksonomi bersesuaian.	/
Markah pada setiap jalan kerja/ rubrik mengikut peraturan pemarkahan bersesuaian.	/
Skema jawapan/ rubrik tepat dan lengkap.	/

No. item	Komen & Catatan Pembetulan/ Penambahbaikan (Item/ Peraturan Pemarkahan)	Pembetulan telah diperbaiki (✓)

	PENGGUBAL	PENYEMAK	PENILAI (KP/ KJ)
TANDATANGAN:			
NAMA:	RAIHANA BT SAM HUN	MASBURAH BT MUSTAFFA	MAFUZAH NGR BINTI RADZI KETUA PROGRAM DIP. KEJ. ELEKTRONIK (KOMPUTER) (DTK) POLITEKNIK TUANKU SULTANAH BAHYAH 09000 KULIM, KEDAH.
TARIKH:	24/8/22	25/8/22	26/08/2022

 <p>DEC50103: OPERATING SYSTEMS</p> <p>QUIZ 1 (SET H)</p>	CLO/GSA	MARKS
	CLO1	/20
	CLO2	-
	TOTAL	/20
NAME:	TIME ALLOCATION: 30 MINUTES	
MATRIX NO:	DATE:	
PROGRAM:	CLASS:	

INSTRUCTION:

This section consists of **SIX (6)** structured questions. Answer all question.

1. List **TWO (2)** functions of Operating Systems.

CLO1,C1
(2 Marks)

.....

.....

.....

.....

2. State **THREE (3)** types of Operating Systems.

CLO1,C1
(3 Marks)

.....

.....

.....

3. Sketch Client-Server Model and Virtual Machine.

CLO1,C2
(3 Marks)

4. Outline **TWO (2)** types of user interface.

CLO1,C2
(2 Marks)

.....

5. Sequence **ALL** the steps of boot process in computer system.

CLO1,C3
(6 Marks)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

6. Construct & label the swapping schematic view.

CLO1,C3
(4 Marks)

ANSWER SCHEME

CODE & COURSE NAME: DEC50103 & OPERATING SYSTEMS

ASSESSMENT: QUIZ 1 (SET H)

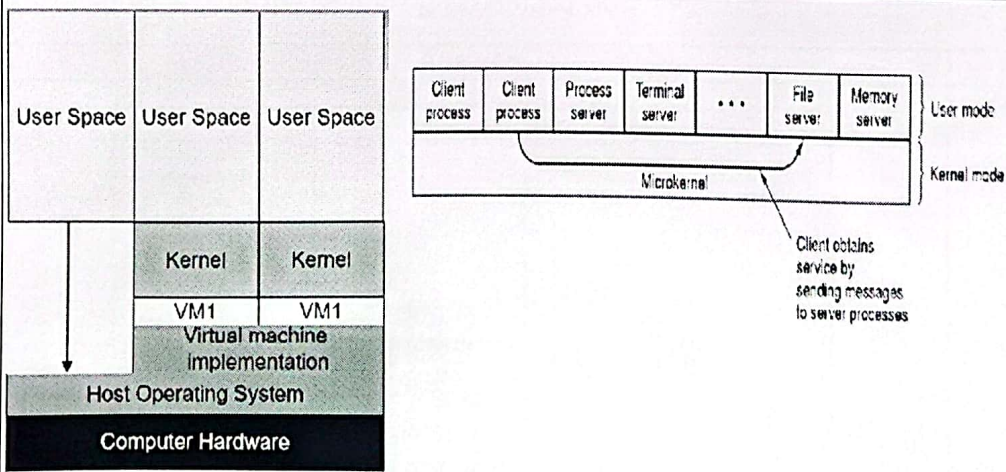
1. List **TWO (2)** functions of Operating Systems.

Answers	Marks/ Note
<ul style="list-style-type: none"> To ensure user can finish task efficiently To interpret user command To handle any error in system To handle I/O To handle interrupt To handle memory 	Max 2 marks Choose any 2 answers 1 mark per answer

2. State **THREE (3)** types of Operating Systems.

Answers	Marks/ Note
<ul style="list-style-type: none"> Batch Multiprogramming Distributed 	Max 3 marks 1 1 1

3. Sketch Client-Server Model and Virtual Machine.

Answers	Marks/ Note
 <p>The Virtual Machine diagram shows a stack of layers: User Space (three boxes), Kernel (two boxes), VM1 (two boxes), Virtual machine Implementation (one box), Host Operating System (one box), and Computer Hardware (one box). An arrow points from the User Space to the Host Operating System.</p> <p>The Client-Server Model diagram shows a horizontal row of boxes: Client process, Client process, Process server, Terminal server, ..., File server, Memory server. A bracket labeled 'User mode' spans the first four boxes. A bracket labeled 'Kernel mode' spans the last three boxes. A 'Microkernel' box is positioned below the 'Process server' and 'Terminal server' boxes. An arrow points from the 'Client process' boxes to the 'Process server' box, with the label 'Client obtains service by sending messages to server processes'.</p>	Max 3 marks Diagram : 1 Label : 1 Arrow : 1

4. Outline **TWO (2)** types of user interface.

Answers	Marks/ Note
<ul style="list-style-type: none"> • Command driven • Menu based • Graphical user interface • Form based • Voice actuated 	Max 2 marks Choose any 2 answers 1 mark per answer

5. Sequence **ALL** the steps of boot process in computer system.

Answers	Marks/ Note
<ul style="list-style-type: none"> • Run diagnostics to determine the state of machine. • If diagnostics pass, booting continues. • Runs a Power-On Self Test (POST) to check the devices that the computer will rely on, are functioning. • BIOS goes through a preconfigured list of devices until it finds one that is bootable. • If it finds no such device, an error is given and the boot process stops. • Initializes CPU registers, device controllers and contents of the main memory. • After this, it loads the OS. 	Max 6 marks 0.5 0.5 1 1 1 1 1

6. Construct & label the swapping schematic view.

Answers	Marks/ Note
	Max 4 marks Diagram : 1 Label : 1 Arrow : 2