POLITEKNIK MALAYSIA
TUANKU SULTANAH BAHIYAH

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 SAMHUN	MASBURAH BT MUSTAFFA	MAFUZAH NOR BINTI RADZI KETUA PROGRAM DIP. KEJ. ELEKTRONIK (KOMPUTER) (DTK) POLITEKNIK TUANKU SULTANAH BAHIYAH 09000 KULIM, KEDAH.
TARIKH:	24/8/22	25/8/22	28/08/2022

POLITEKNIK MALAYSIA TUANKU SULTANAH BAHIYAH DEC50103: OPERATING SYSTEMS QUIZ 1 (SET H)	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)**

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2. State **THREE (3)** types of Operating Systems. CLO1,C1 **(3 Marks)**

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3. Sketch Client-Server Model and Virtual Machine. CLO1,C2 **(3 Marks)**

4. Outline **TWO (2)** types of user interface. CLO1,C2
(2 Marks)

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5. Sequence **ALL** the steps of boot process in computer system. CLO1,C3
(6 Marks)

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6. Construct & label the swapping schematic view. CLO1,C3
(4 Marks)

ANSWER SCHEME

CODE & COURSE NAME: **DEC50103 & OPERATING SYSTEMS**
ASSESSMENT: **QUIZ 1 (SET H)**

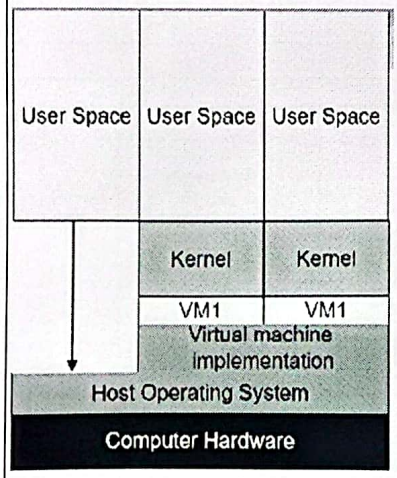
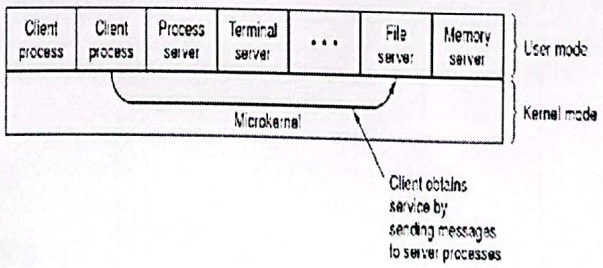
1. List **TWO (2)** functions of Operating Systems.

Answers	Marks/ Note
• 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
• Batch • Multiprogramming • Distributed	**Max 3 marks** 1 1 1

3. Sketch Client-Server Model and Virtual Machine.

Answers	Marks/ Note
 Virtual Machine  Client-Server Model	**Max 3 marks** Diagram : 1 Label : 1 Arrow : 1

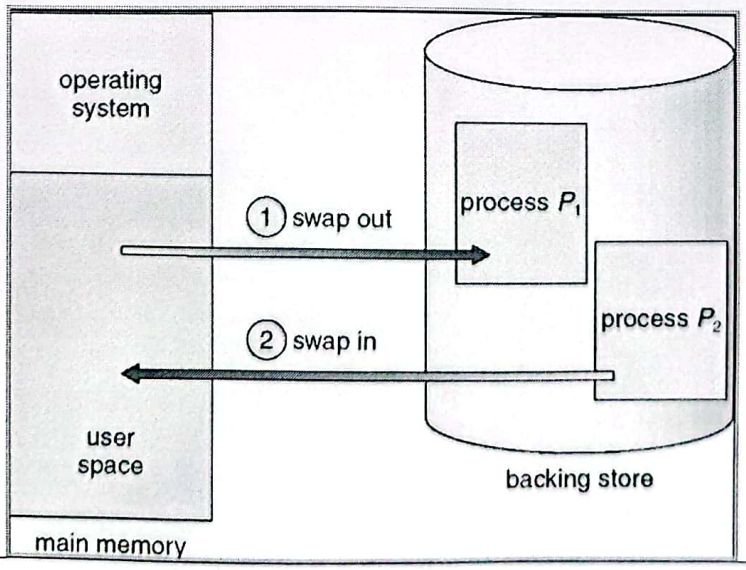
4. Outline **TWO (2)** types of user interface.

Answers	Marks/ Note
• 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
	Max 6 marks
• Run diagnostics to determine the state of machine.	0.5
• If diagnostics pass, booting continues.	0.5
• Runs a Power-On Self Test (POST) to check the devices that the computer will rely on, are functioning.	1
• BIOS goes through a preconfigured list of devices until it finds one that is bootable.	1
• If it finds no such device, an error is given and the boot process stops.	1
• Initializes CPU registers, device controllers and contents of the main memory.	1
• After this, it loads the OS.	1

6. Construct & label the swapping schematic view.

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