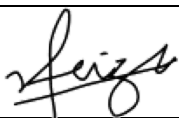


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	PROSEDUR PENILAIAN PEPERIKSAAN AKHIR	NO KELUARAN : 01
		NO. PINDAAN : 00
		TARIKH KUATKUASA : MAC 2025
		MUKASURAT : 1/7

**PROSEDUR
PENILAIAN PEPERIKSAAN AKHIR
PK.UiTMCPP.(O).18**

	DISEDIAKAN OLEH	DISEMAK OLEH	DILULUSKAN OLEH
TANDATANGAN			
NAMA	DR. HAMIZURA HASSAN	PROF. MADYA Ir. Ts. DR. HAJAH SITI NORAINI BINTI SULAIMAN	PROF. DATO' Ir. DR. HAJI AHMAD RASHIDY RAZALI
JAWATAN	KETUA PUSAT PENGAJIAN	TIMBALAN REKTOR HAL EHWAL AKADEMIK	MENJALANKAN FUNGSI REKTOR
TARIKH	MAC 2025	MAC 2025	MAC 2025

 UNIVERSITI TEKNOLOGI MARA	PROSEDUR KUALITI OPERASI	NO RUJUKAN : PK.UiTMCPP.(0).18
	PROSEDUR PENILAIAN PEPERIKSAAN AKHIR	NO KELUARAN : 01
		NO. PINDAAN : 00
		TARIKH KUATKUASA : MAC 2025
		MUKASURAT : 3/7

	KANDUNGAN	MUKASURAT
1.	Objektif	4
2.	Skop	4
3.	Dokumen Rujukan	4
4.	Definisi	5
5.	Singkatan	5
6.	Tanggungjawab dan Tindakan	5
7.	Rekod Kualiti	7
8.	Lampiran	7

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	PROSEDUR PENILAIAN PEPERIKSAAN AKHIR	NO KELUARAN : 01
		NO. PINDAAN : 00
		TARIKH KUATKUASA : MAC 2025
		MUKASURAT : 4/7

1.0 OBJEKTIF

Prosedur ini bertujuan memberi garis panduan bagi merancang serta melaksanakan proses penilaian peperiksaan akhir dengan baik.

2.0 SKOP

Prosedur ini diterimapakai oleh Pengurusan UiTM CPP dan staf akademik semasa proses penilaian peperiksaan akhir.

3.0 DOKUMEN RUJUKAN

Bil	Jenis Dokumen	Lokasi	No. Rujukan
3.1	Manual Kualiti	Bilik Gerakan Kualiti	MK. UiTM CPP.01
3.2	Peraturan Akademik	Pejabat Am HEA	Fail Peraturan Akademik
3.3	Manual Peperiksaan Akhir UiTM	Pejabat Am HEA	Manual

 UNIVERSITI TEKNOLOGI MARA	PROSEDUR KUALITI OPERASI	NO RUJUKAN : PK.UiTMCPP.(0).18
	PROSEDUR PENILAIAN PEPERIKSAAN AKHIR	NO KELUARAN : 01
		NO. PINDAAN : 00
		TARIKH KUATKUASA : MAC 2025
		MUKASURAT : 5/7

4.0 DEFINISI

PYM1: Kakitangan akademik yang dilantik bagi menjalankan sebahagian atau semua tugas penilaian dan/atau peperiksaan bagi sesuatu tempoh termasuk:

- a) membuat penilaian/memeriksa kertas jawapan
- b) menilai prestasi pelajar bagi sesuatu kursus.

5.0 SINGKATAN

UiTMCPP	:	Universiti Teknologi MARA Cawangan Pulau Pinang
BHEA	:	Bahagian Hal Ehwal Akademik
UP	:	Urusetia Peperiksaan
PYM1	:	Pensyarah Yang Memeriksa 1
PYK	:	Penyelaras Kursus
KJP	:	Kertas Jawapan Pelajar
e-RES	:	e-Result Exam System

 UNIVERSITI TEKNOLOGI MARA	PROSEDUR KUALITI OPERASI	NO RUJUKAN : PK.UiTMCPP.(0).18
	PROSEDUR PENILAIAN PEPERIKSAAN AKHIR	NO KELUARAN : 01
		NO. PINDAAN : 00
		TARIKH KUATKUASA : MAC 2025
		MUKASURAT : 6/7

6.0 TANGGUNGJAWAB DAN TINDAKAN

TANGGUNGJAWAB	TINDAKAN
PYK	Selepas peperiksaan: 1. Ambil KJP dari UP 2. Agih KJP kepada pensyarah
PYM1	Dalam tempoh satu (1) minggu: 3. Ambil KJP dari PYK 4. Periksa KJP dan jumlahkan markah 5. Semak taburan dan jumlah markah 6. Tandatangan di buku jawapan 7. Masukkan markah ke dalam sistem e-RES 8. Cetak dan tandatangan LE15 beserta tarikh 9. Serah kepada PYK
PYK	10. Semak LE15 11. Tentukan pemindahan markah telah disempurnakan 12. Tandatangan LE15 berserta tarikh 13. Serah kepada BHEA

 UNIVERSITI TEKNOLOGI MARA	PROSEDUR KUALITI OPERASI	NO RUJUKAN : PK.UiTMCPP.(0).18
	PROSEDUR PENILAIAN PEPERIKSAAN AKHIR	NO KELUARAN : 01
		NO. PINDAAN : 00
		TARIKH KUATKUASA : MAC 2025
		MUKASURAT : 7/7

7.0 REKOD KUALITI

Bil	JENIS/REKOD	RUJUKAN	LOKASI	TEMPOH SIMPANAN
1	Borang penyerahan KJP	Fail Peperiksaan	BHEA	3-5 tahun
2	Kertas Jawapan Pelajar	Fail Peperiksaan	BHEA	1 tahun

8.0 LAMPIRAN

BIL	KETERANGAN LAMPIRAN	NO. LAMPIRAN
1	Carta Alir Penilaian Peperiksaan Akhir	LM.UiTMCPP.(O).18/01
2	Contoh Borang LE15	LM.UiTMCPP.(O).18/02
3	Contoh system e-RES	LM.UiTMCPP.(O).18/03
4	Contoh Kertas Jawapan Pelajar	LM.UiTMCPP.(O).18/04

CARTA ALIR PROSES PENILAIAN PEPERIKSAAN AKHIR

Tanggungjawab	Aliran Kerja	Proses Kerja	Rekod/Catatan
PYK	<pre> graph TD Mula([Mula]) --> B1[] B1 --> B2[] B2 --> B3[] B3 --> B4[] B4 --> B5[] B5 --> B6[] B6 --> B7[] B7 --> Tamat([Tamat]) </pre>	Ambil KJP dari UP dan agih KJP kepada pensyarah	Kertas soalan peperiksaan
PYM1		Ambil KJP dari PYK, kemudian periksa KJP dan jumlahkan markah	Kertas jawapan peperiksaan
		Semak taburan, jumlahkan markah dan tandatangan di buku jawapan	Kertas jawapan peperiksaan
		Masukkan markah ke dalam sistem e-RES	Sistem e-RES
		Cetak, tandatangan dan tulis tarikh pada LE15, kemudian serahkan kepada PYK	LE15
PYK		Semak LE15 dan tentukan pemindahan markah telah disempurnakan	Sistem e-RES
		Tandatangan dan tulis tarikh pada LE15, kemudian serahkan kepada BHEA	LE15

UNIVERSITI TEKNOLOGI MARA
MARKING REPORT LE15

LM. UiTM CPP.(O).18/02

FACULTY : CE - COLLEGE OF ENGINEERING
CAMPUS : P4 - UiTM Kampus Permatang Pauh
COURSE : CEV411 - MASS TRANSFER
GROUPS : PEH2254C1
SESSION : 20242

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BIL	STUDENT ID	PART	NAMA	MARK	GRED	POINTS	PROGRAMME	STUDY MODE	STATUS
1.	2023610244	4	ADAM HARRIS BIN ROSLAN				CEEH225	Full Time	LU
2.	2022864268	6	ERIENA NUR AISYAH BINTI ELMI				CEEH225	Full Time	LU
3.	2023610234	4	MUHAMMAD AMIRUL NAZMI BIN MUHAMMAD ALFIAN				CEEH225	Full Time	LU
4.	2023606702	4	MUHAMMAD FAREN BIN MOHD KAMAL				CEEH225	Full Time	LU
5.	2022844034	6	MUHAMMAD SHAFIQ AL-HAKIM BIN ABDUL RAHMAN				CEEH225	Full Time	LU
6.	2023816896	4	NOR AIN NATASYA BINTI AZIZ				CEEH225	Full Time	LU
7.	2023610072	4	NOR SAHARIFAH NAJUWA BINTI JEFFRY				CEEH225	Full Time	LU
8.	2020465172	10	NUR DAYANA BALQIS BINTI ADAN				EH225	Extended Full Time	LU
9.	2023660466	4	NUR SAKINAH BINTI NOOR AZMAN				CEEH225	Full Time	GA
10.	2023862046	4	NUR SYAZMIMIE BINTI MOHD SAKRI				CEEH225	Full Time	LU
11.	2023836498	4	NUR WAHIDATULAIN BINTI JAMIL				CEEH225	Full Time	LU
12.	2023436984	4	NURUL HIDAYAH BINTI RAMLI				CEEH225	Full Time	LU
13.	2023867626	4	SHAQYLA TASNIM BINTI SHAHARUDY				CEEH225	Full Time	LU

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Table No.



اُنْبُوْهُ سَبِيْقًا يَتَذَكَّرُ الَّذِيْنَ قَبْلُهَا
UNIVERSITI
TEKNOLOGI
MARA

STUDENT I.D NO.

A horizontal number line is shown with tick marks at every integer from 0 to 10. The segment between the tick marks for 4 and 5 is shaded in blue.

FACULTY/BRANCH CODE

CIVIL ENGINEERING

PROGRAMME CODE

CEEC 223

COURSE CODE

CES 427

LECTURER'S NAME

ROHAMEIZAN B ROHIM

GROUP (if any)

CEEC223 3B1

DATE OF EXAMINATION

16/7/2024

INSTRUCTIONS TO STUDENTS

Question No	Mark
Q39	5
b	0
c	0
Q6	0
Q19	4
b	0
Q29 }	0
49	6
b	36
c	4
Total	33

1. Students are required to write the answer clearly on each page in the answer booklet.
2. Each answer should begin on a new page.
3. All papers(e.g.graph paper/ objective answer sheet) should be attached to this answer booklet.
4. Students are required to write the number of the questions answered in the space provided on the left hand side.
5. Student should not tear off any pages from this answer booklet.
6. Student are not allowed to take out the blank answer booklet.

EXAMINERS' VERIFICATION : Tick ($\checkmark$) in the relevant boxes.



I have marked all the written pages in the answer booklet.



I have calculated all the marks correctly.

First Examiner

Second Examiner

Name

Signature

Date _____

First Examiner

[Signature]

.....

Dohamexan Roluini

1/8/24

.....

Second Examiner

Dr. Subroto Ch

10/8/2024

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MAN ANSWER BOOKLET

a)

A

$$s = s_0 + v_0 t + \frac{1}{2} a t^2$$

$$11 = 0 + (108)(40) + \frac{1}{2}(a)(40)^2$$

$$1 = 4320 + 800a$$

$$800a = 4321$$

$$a = 5.4 \text{ m/s}^2$$

B

$$1 = 0 + (63)(42) + \frac{1}{2}(a)(42)^2$$

$$1 = 2646 + 882a$$

$$882a = 2647$$

$$a = 3.00 \text{ m/s}^2$$

a)

4

b)

0

Question 2

a)

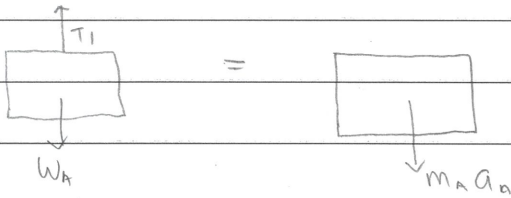
$$\begin{matrix} a \\ b \end{matrix} \left. \vphantom{\begin{matrix} a \\ b \end{matrix}} \right\} 0$$

Question 3

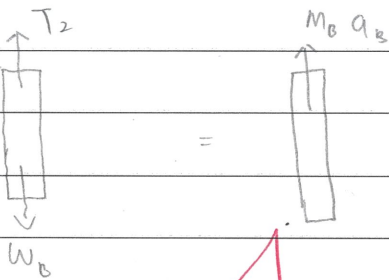
a)

FBD

Block A



Block B



Block A

$$\sum F = -m_A a_A$$

$$T_1 - W_A = -m_A a_A$$

$$T_1 - (50)(9.81) = -50a_A$$

$$T_1 = 490.5 - 50a_A$$

$$a_A = \frac{490.5 - T_1}{50}$$

Block B

$$\sum F = m_B a_B$$

$$T_2 - W_B = m_B a_B$$

$$T_2 - (30)(9.81) = (30)(a_B)$$

$$T_2 = 294.3 - 30a_B$$

$$a_B = \frac{294.3 - T_2}{30}$$

$$\frac{490.5 - T_1}{50} = \frac{294.3 - T_2}{30}$$

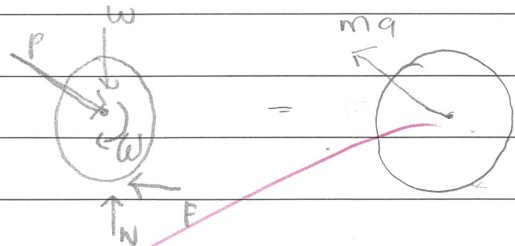
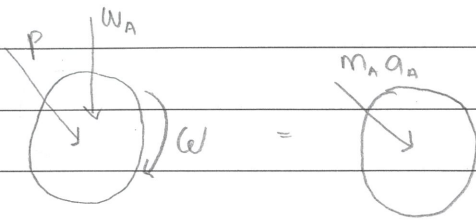
$$14715 - T_1 = 14715 - T_2$$

Question 4

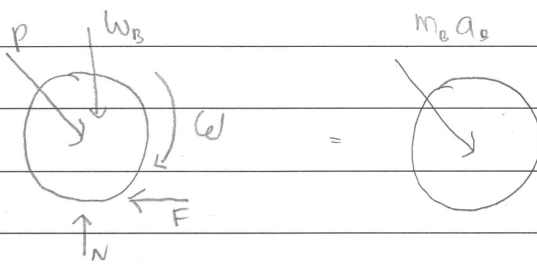
a)

Disk A

Lawn Roller



Disk B



b)

Disk A

$$\sum F_x = m_A a_A$$

$$P \cos 40 - F = (3)(a_A)$$

$$(200)(0.766) - (0.16)N = 3a_A$$

$$N = 153.2 - 3a_A$$

$$0.16$$

$$N = 957.5 - 18.75a_A$$

$$\sum F_y = m_A a_A$$

$$-P \sin 40 + N = -(3a_A)$$

$$-(200)(0.643) + N = -(3a_A)$$

$$N = 128.6 - 3a_A$$

$$957.5 - 18.75a_A = 128.6 - 3a_A$$

$$18.75a_A - 3a_A = 957.5 - 128.6$$

$$15.75a_A = 828.9$$

$$a_A = 52.63 \text{ m/s}^2$$

$$\omega^2 = \omega_0^2 + 2a(\theta - \theta_0)$$

$$\omega = \sqrt{2(52.63)(40)}$$

$$\omega = 64.89$$

$$\sum F_x = m_B a_B$$

$$P \cos 40 - F = (6) a_B$$

$$(200)(0.766) - (0.16)N = 6a_B$$

$$0.16N = 153.2 - 6a_B$$

$$N = 957.5 - 37.5a_B$$

$$\sum F_y = -m_B a_B$$

$$-P \sin 40 + N = -(6)a_B$$

$$-(200)(0.643) + N = -(6a_B)$$

$$N = 128.6 - 6a_B$$

$$957.5 - 37.5a_B = 128.6 - 6a_B$$

$$37.5a_B - 6a_B = 957.5 - 128.6$$

$$31.5a_B = 828.9$$

$$a_B = 26.31 \text{ m/s}^2$$

$$a_n = \omega^2 r$$

$$\omega = \sqrt{\frac{26.31}{200}} = 0.36$$

Lawn Roller

$$\sum F_x = -ma$$

$$P \cos 40 - F = -(75)(a)$$

$$(200)(\cos 40) - (0.16)N = -75a$$

$$153.21 - 0.16N = -75a$$

$$0.16N = 153.21 + 75a$$

$$N = 957.56 + 468.75a$$

$$\sum F_y = mg$$

$$-P \sin 40 + N - W = mg$$

$$-(200)(\sin 40) + N - (75)(9.81) = 75a$$

$$-128.56 - 735.75 + N = 75a$$

$$N = 864.31 + 75a$$

$$957.56 + 468.75a = 864.31 + 75a$$

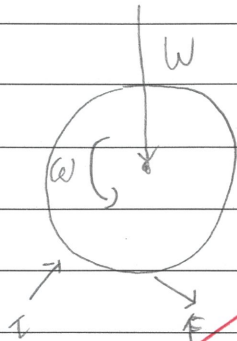
$$468.75a - 75a = 864.31 - 957.56$$

$$393.75a = -93.25$$

$$a = -0.24$$

Question 5

a)



~~4~~ 4

b)

$$T_1 + u_{1-2} = T_2$$

$$v = \omega r$$

$$\omega = 25$$

$$120$$

$$\omega = 0.21$$

$$T_1 = 0$$

$$u_{1-2} = (0.15)(N)(125)$$

$$= 18.75 N$$

$$u_{1-2} = T_2$$

$$T_2 = \frac{1}{2} m v_g^2 + \frac{1}{2} I_g \omega^2$$

$$18.75 N = \frac{1}{2} (N)(25)^2 + \frac{1}{2} \times \frac{1}{2} \times (N)(120)^2 (0.21)$$

4

c)

0