

**UNIVERSITY COLLEGE TATI (UC TATI)****FINAL EXAMINATION QUESTION BOOKLET**

COURSE CODE	: MPU 3352
COURSE	: SISTEM BEKALAN ELEKTRIK DI MALAYSIA
SEMESTER/SESSION	: 1-2022/2023
DURATION	: 1 HOUR 30 MINUTES

Instructions:

1. This booklet contains 3 questions. Answer **ALL** questions.
2. All answers should be written in answer booklet.
3. Write legibly and draw sketches wherever required.
4. If in doubt, raise your hands and ask the invigilator.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

THIS BOOKLET CONTAINS 3 PRINTED PAGES INCLUDING COVER PAGE

QUESTION 1

- a) If there is 14A of direct current through the filament of a light bulb, calculate its resistance if the battery powering it is 12V. (4 marks)
- b) Differentiate the direct current and alternate current. (4 marks)

QUESTION 2

- a) List the types of electric power stations in Malaysia. (5 marks)
- b) Compare the type of power stations in Table 1 regarding space requirement, efficiency and clean emission justification and transmission. (6 marks)

Table 1

Power station	Space requirement	Efficiency	Clean emission justification
Diesel power station			
Hydro power station			

QUESTION 3

- a) Define the voltage for single phase and three phase. (2 marks)
- b) Define the domestic distribution system for residential houses and flats. (2 marks)
- c) An electrical appliance marked 250 W and supplied with a voltage of 240V. Calculate the electric current flowing through the device. (4 marks)
- d) An electrical appliance has a power of 2kW used for 8 hours. Calculate the electricity consumed. (3 marks)

-----End of question-----

