THE UNITED REPUBLIC OF TANZANIA NATIONAL EXAMINATIONS COUNCIL CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

084

ELECTRICAL DRAUGHTING

(For Both School and Private Candidates)

TIME: 3 Hours

Wednesday afternoon 17/10/2007

Instructions

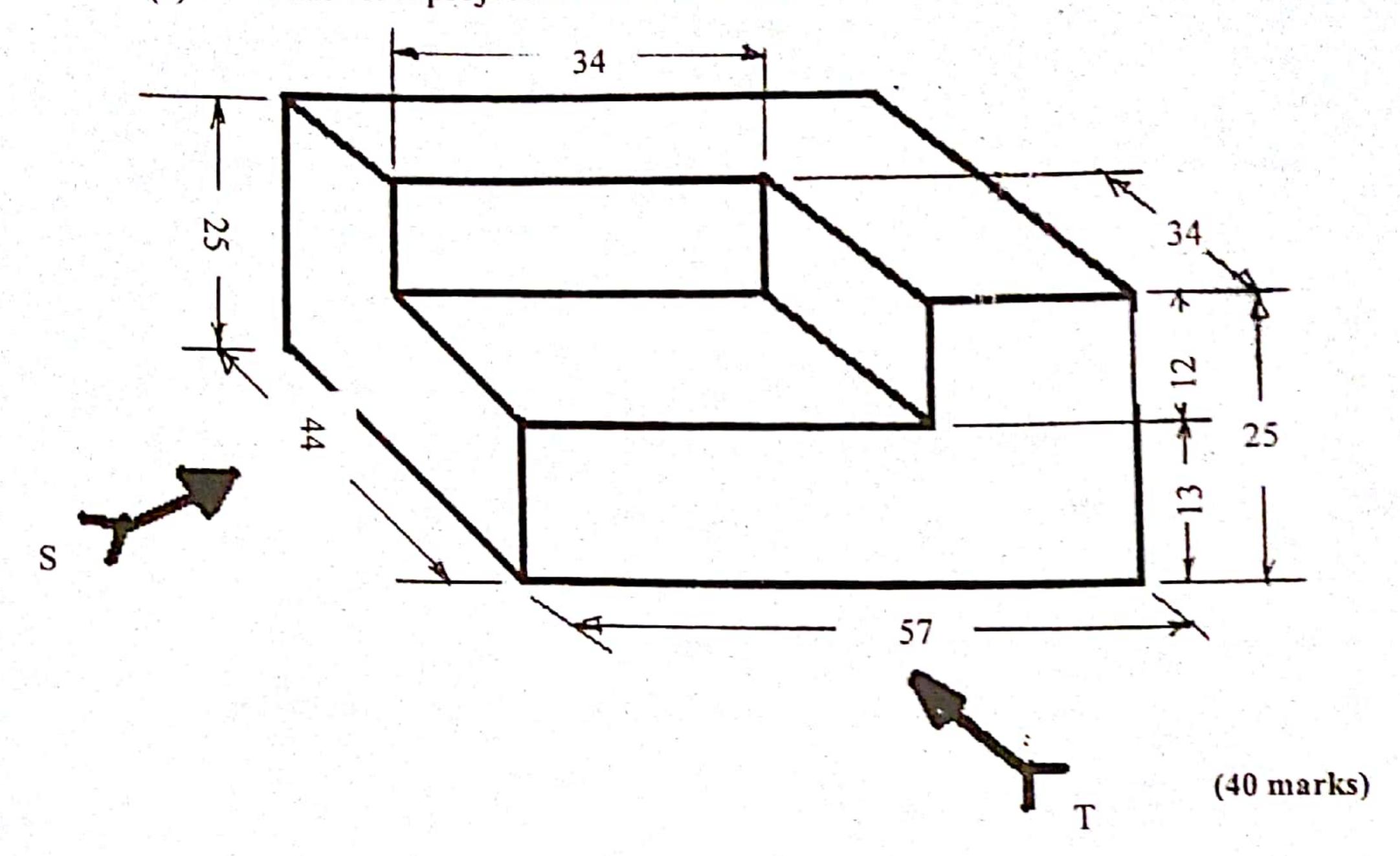
- 1. This paper consists of six (6) questions.
- 2. Answer question number 1 and any other three (3) questions.
- 3. Electronic calculators are not allowed in the examination room.
- 4. Cellular phones are not allowed in the examination room.
- 5. Write your Examination Number on every page of your answer booklet(s).

This paper consists of 3 printed pages.

Find more free educational resources at: http://maktaba.tetea.org

CAC

- 1. Draw full size in third angle orthographic projection the following views of as shown:
 - (a) Front elevation in direction of arrow T
 - (b) End elevation in direction of arrows S
 - (c) Plan view projected from view (a)



- 2. Sketch the conventional figures of the following titles:
 - (a) Straight knurling
 - (b) Diamond knurling
 - (c) Square on shaft
 - (d) Hole on a circular pitch.

(20 marks)

3. The sketch shown in fig. 1 is an installation diagram of intermediate switching controlling two lighting points. Draw the assembled representation circuit diagram for the systems.

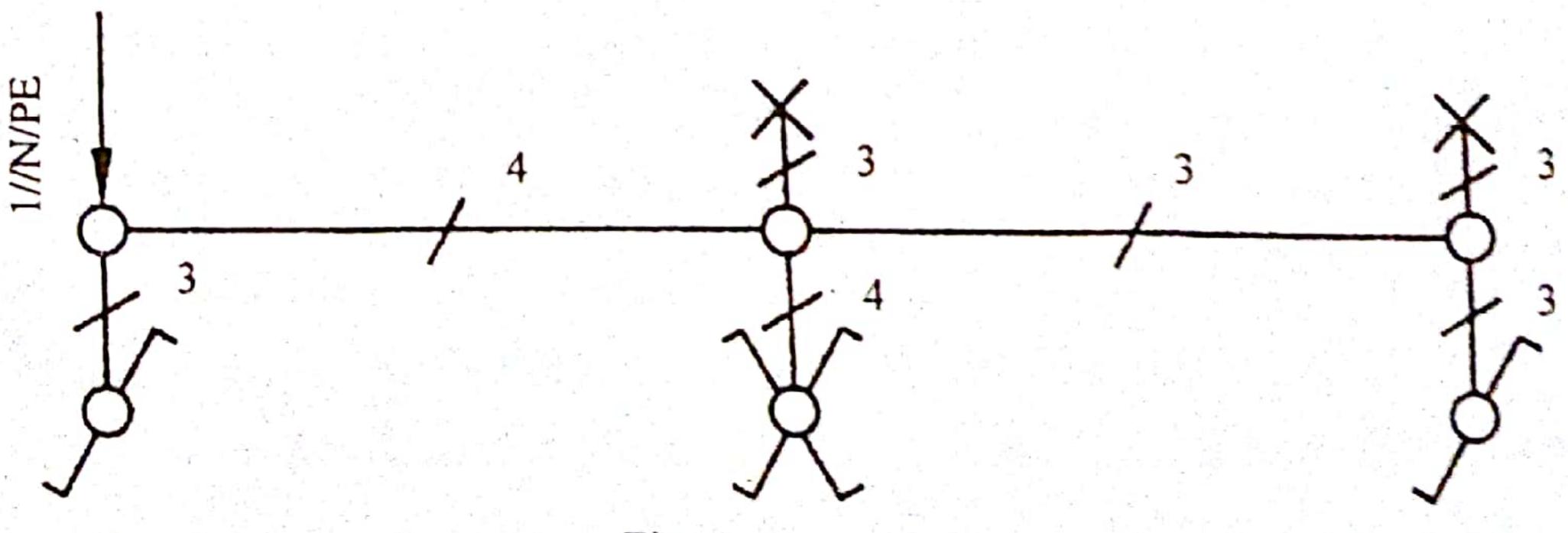


Fig. 1

(20 marks)

	1 NPN transistor 4 Resistors 3 Capacitors	(20 marks)
Sketc	the symbols of the following accessories:	
(a)	Immersion heater with thermostat	
(b)	Fixed radiator	
(c)	Thermostat	
(d)	Filament lamp	
(e)	Wall socket outlet.	(20 marks)
Sket	ch the symbols of the following components:	
(a)	Zener diode	
(b)	PNP transistor	
(c)	Rectifier	
(d)	Thyristor	
(e)	Photoelectric cell.	(20 marks)
	Use c Sketc (a) (b) (c) (d) (e) Sketc (a) (b) (c) (d)	4 Resistors 3 Capacitors Use common emitter transistor configuration. Sketch the symbols of the following accessories: (a) Immersion heater with thermostat (b) Fixed radiator (c) Thermostat (d) Filament lamp (e) Wall socket outlet. Sketch the symbols of the following components: (a) Zener diode (b) PNP transistor (c) Rectifier (d) Thyristor

Find more free educational resources at: http://maktaba.tetea.org