

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

084

**ELELCTRICAL DRAUGHTING
(For both School and Private Candidates)**

TIME: 3 Hours

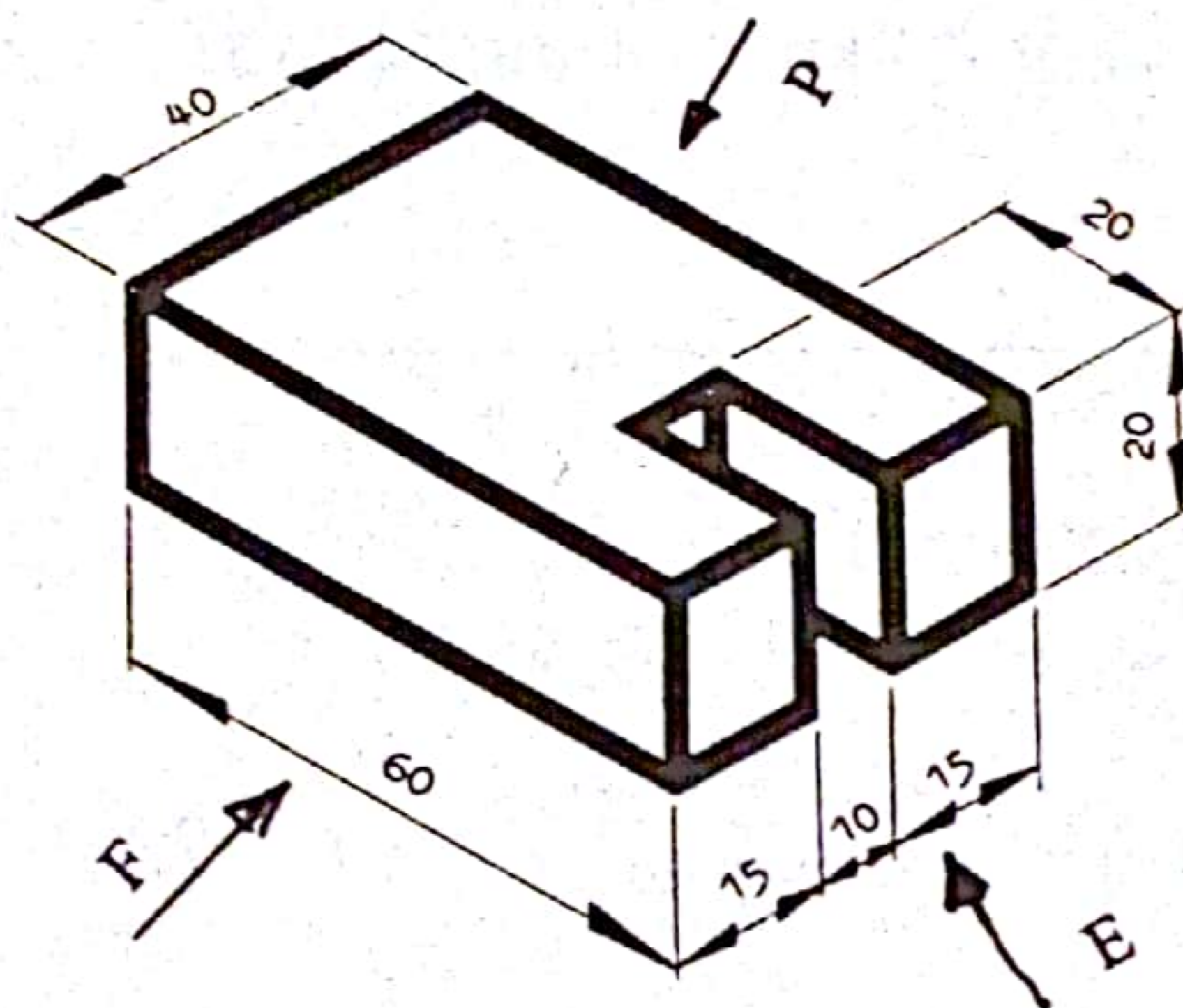
4 November 1999 A.M.

INSTRUCTIONS

1. This paper consists of six (6) questions.
2. Attempt question ONE (1) and any other THREE questions
3. Question one carries 40% and the rest 20% each.

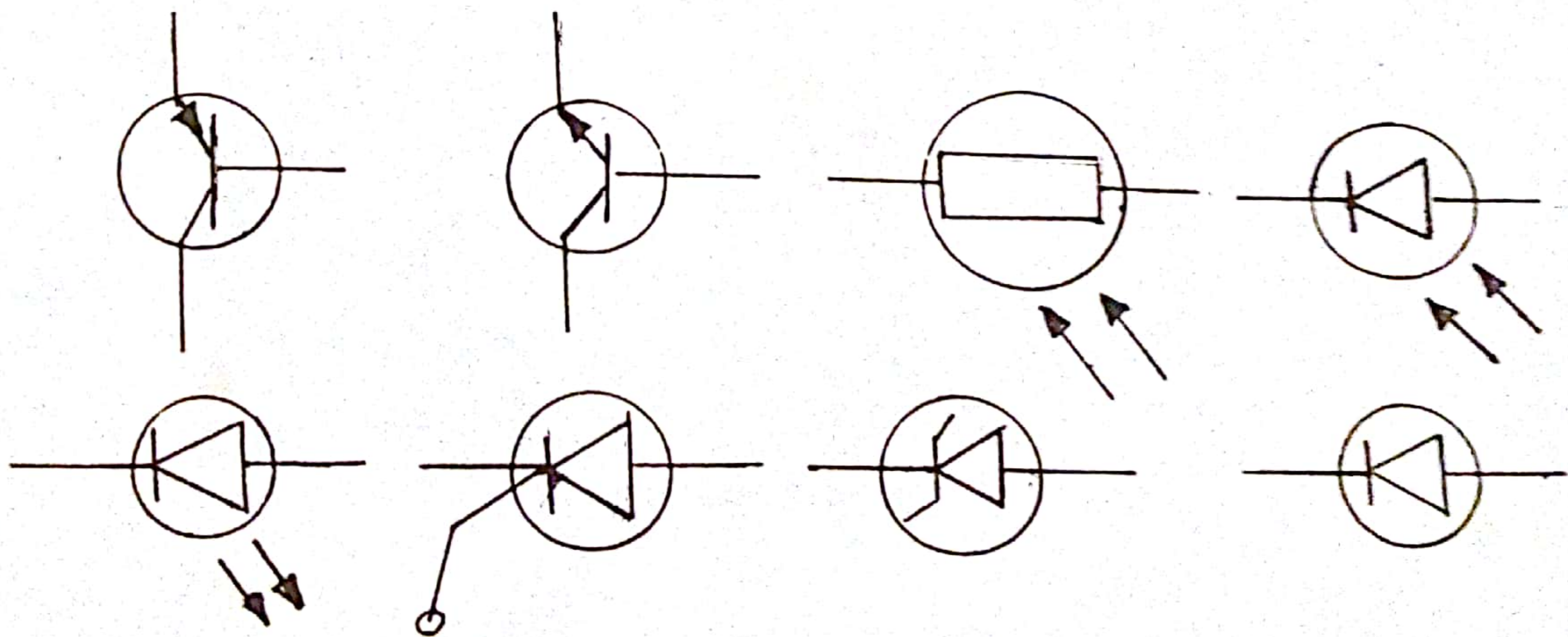
This paper consists of **3** printed pages

1. (i) Draw the block in isometric projection as shown.
- (ii) Draw the plan, front, and end views of the block as indicated by the arrow heads.



(40%)

2. What do the following electronic components represent?



Simple

(20%)

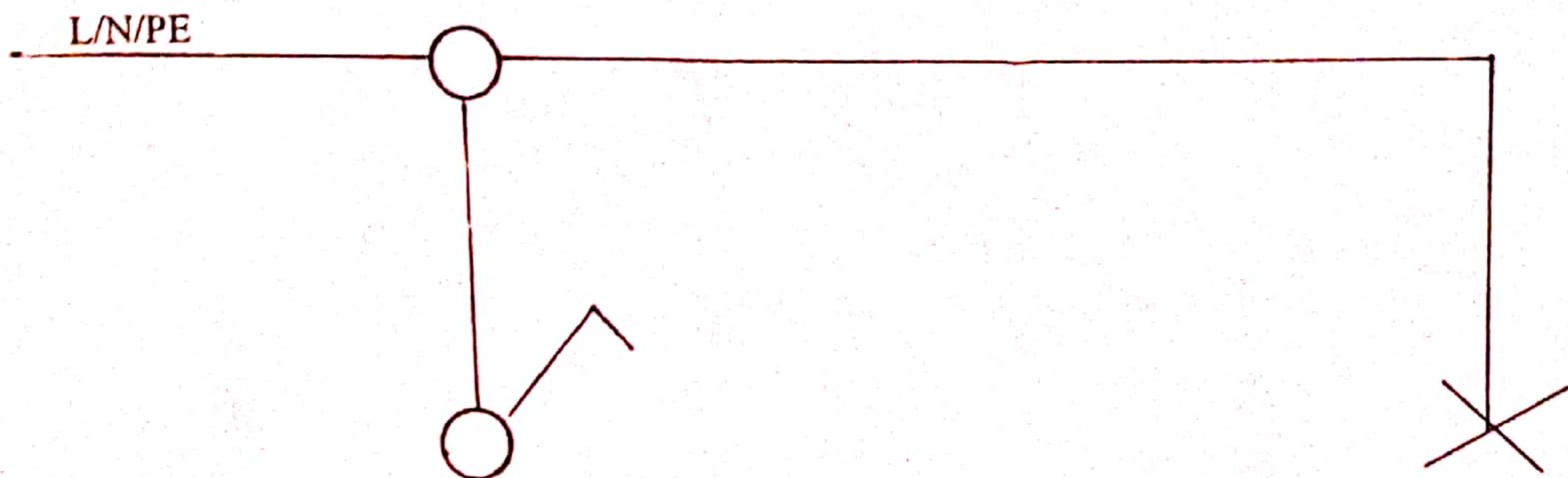
3. Sketch the symbols of the following electrical components:
Two -ways switch, intermediate switch, double-two way switch, grounded outlet, ceiling rose, a fuse, variable resistor, a door opener.

(20%)

4. Draw a wiring diagram of a domestic ring circuit.

(20%)

5. The following diagram is a plan of installation; copy it and draw its wiring diagram.

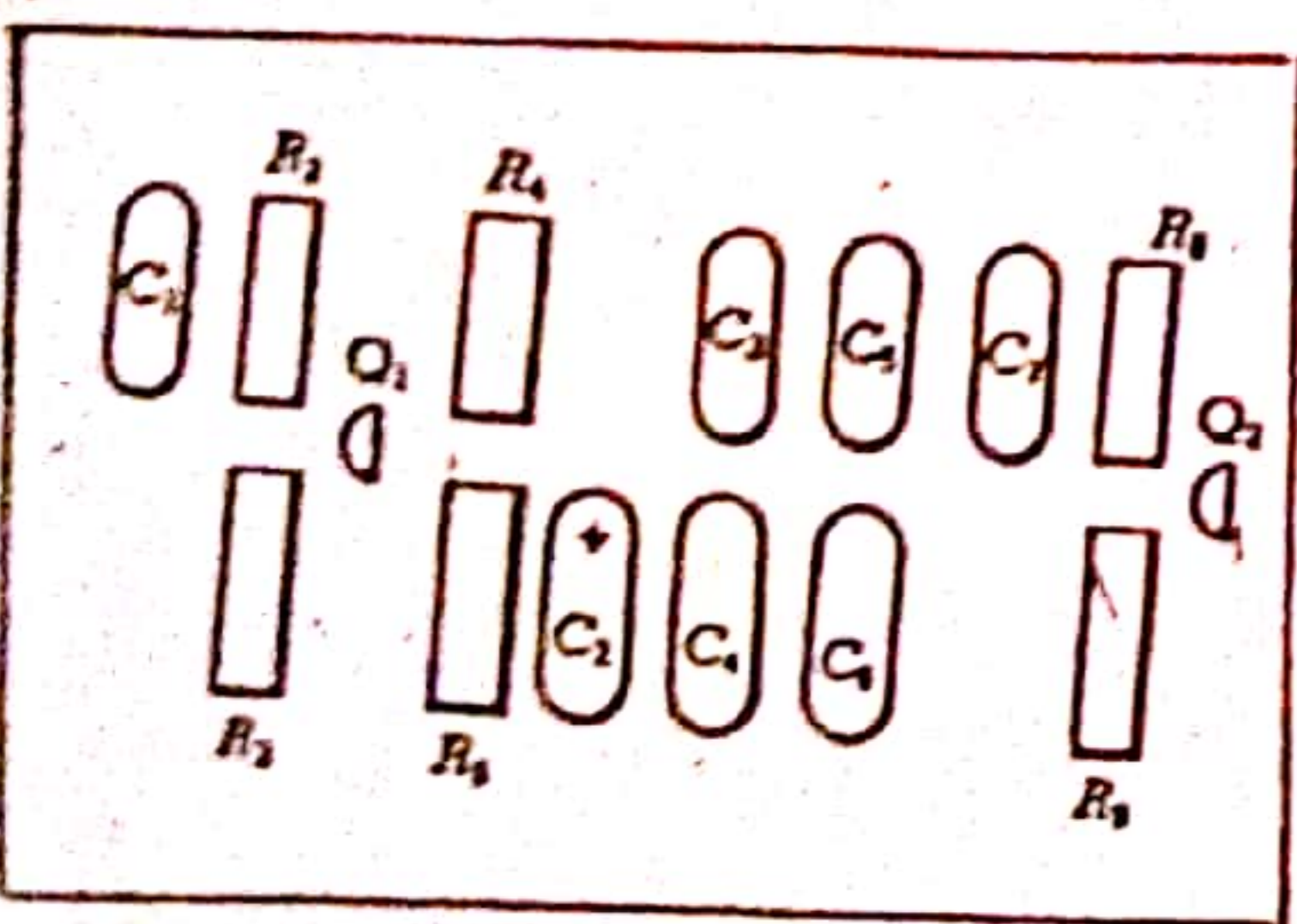


(20%)

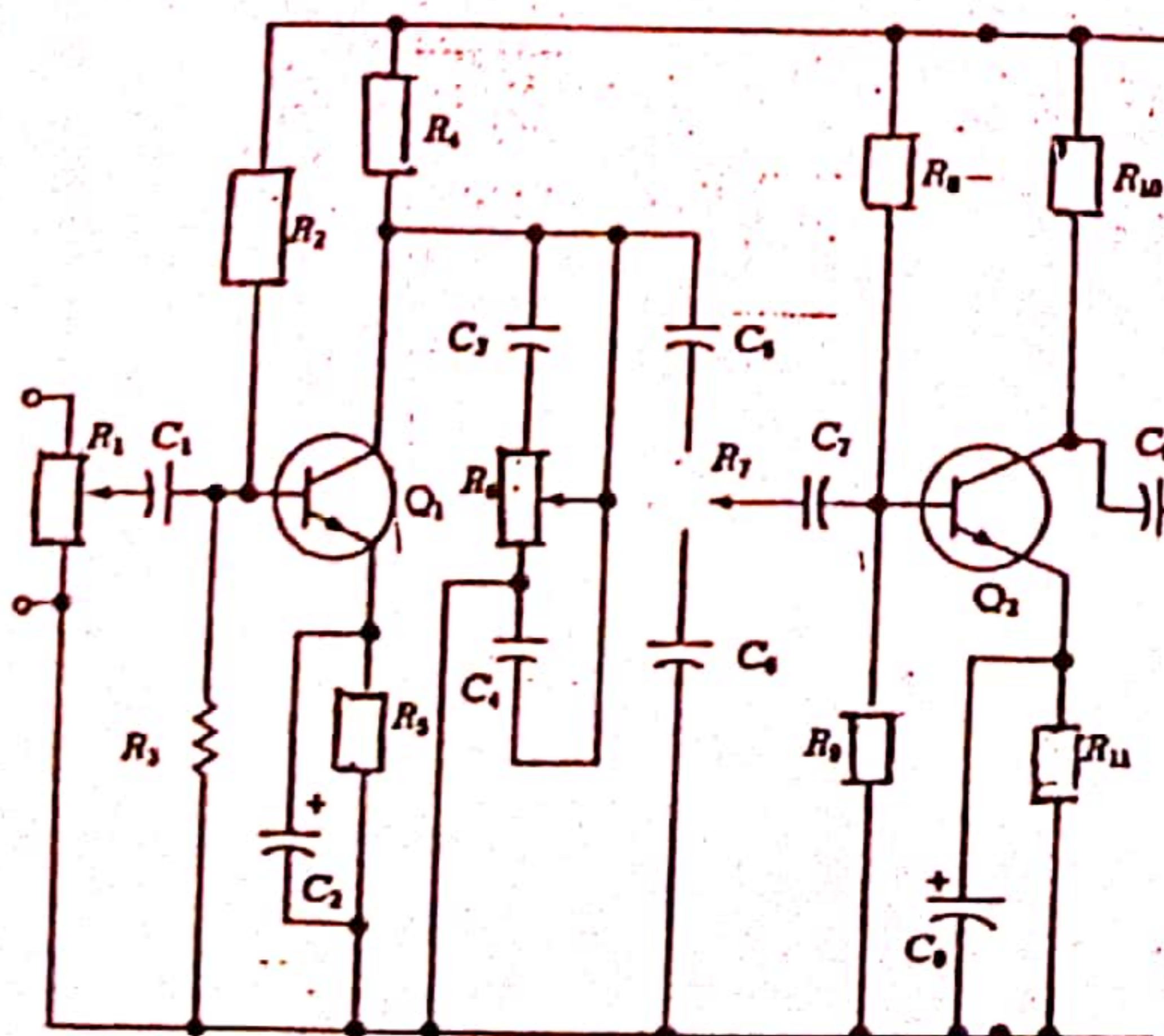
6. (a) Differentiate the following terms used in electronic drawing:

- (i) block diagrams
- (ii) pictorial diagrams, and
- (iii) schematic diagrams.

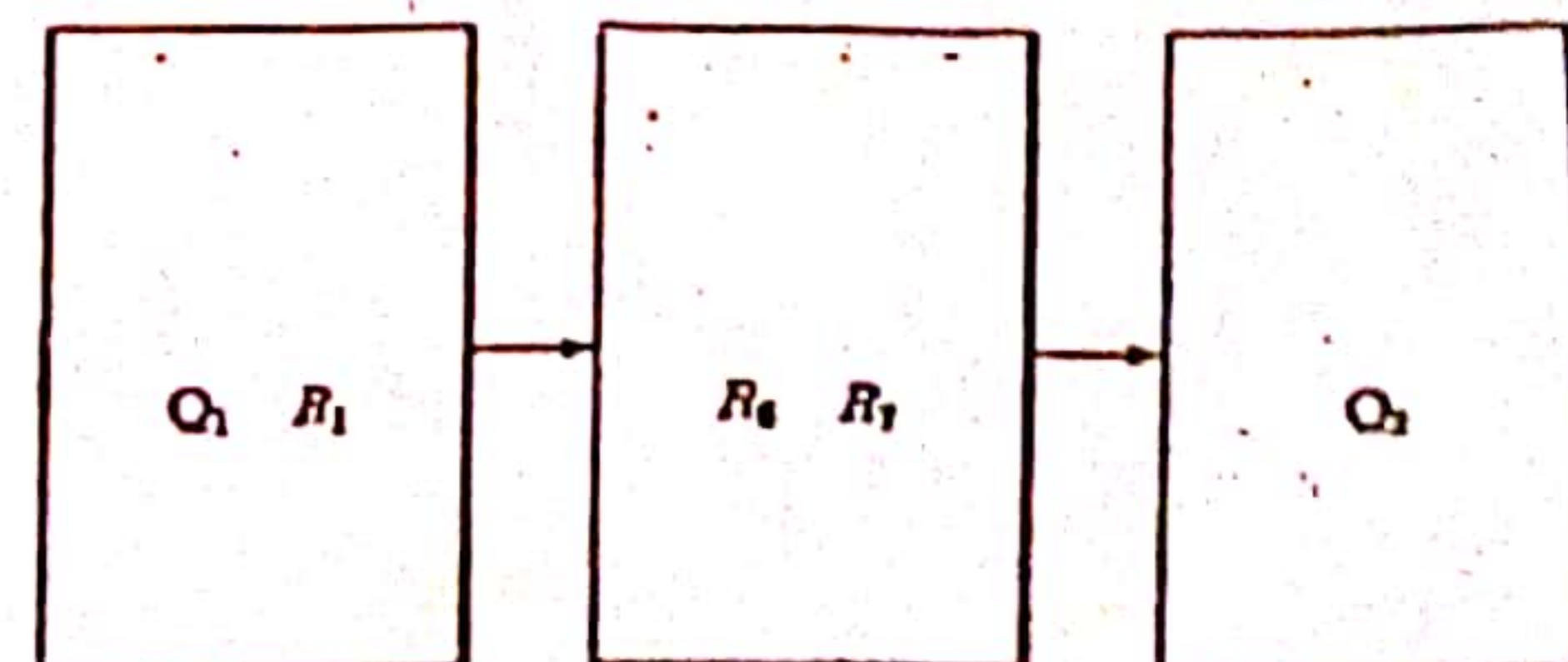
(b) Identify the following diagrams:



(a)



(b)



(c)

(20%)