



**CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD**

**Technical and Vocational Education Examinations**

**JUNE XXXX**

**INTERMEDIATE LEVEL**

Subject Title	<b>MECHANICAL CONSTRUCTION AND DEVELOPMENT 3</b>
Subject Code No.	<b>5160</b>
Paper No.	<b>THREE</b>

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**Duration**

**You are reminded of the necessity for good English and orderly presentation in your answers.**

**SECTION A****1. SUBJECT PRESENTATION**

- i) The study work is a transformer having a square base presented in page ½ below.

**II. PRACTICAL REALISATION****(ii) Work to be done**

You are given the following

- (a) The drawing on page 1/3
- (b) The developed pattern is on page 1/4
- (c) You are required to realise a sample of the object using the pattern (template) on page 1/4.

**III. MARKS GUIDE**

- (a) Given in stages the other of realisation (10 marks)
- (b) Realisation of the piece (50 marks)
- (c) Welding (30 marks)
- (d) Finishing (30 marks)

**Total 100 marks**

At the end of the exercise you are to hand over the sample piece to the jury.

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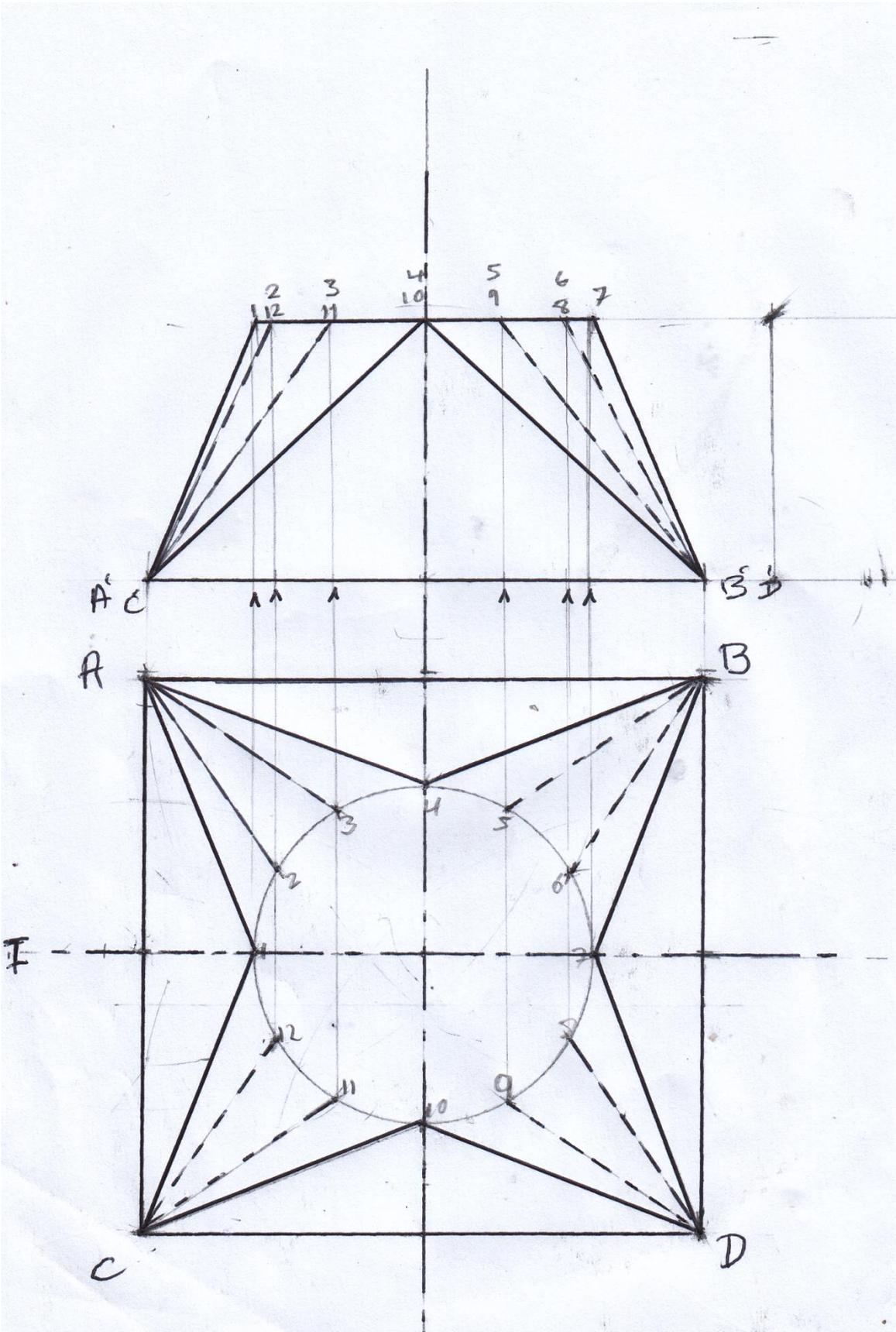
**INTERMEDIATE LEVEL**

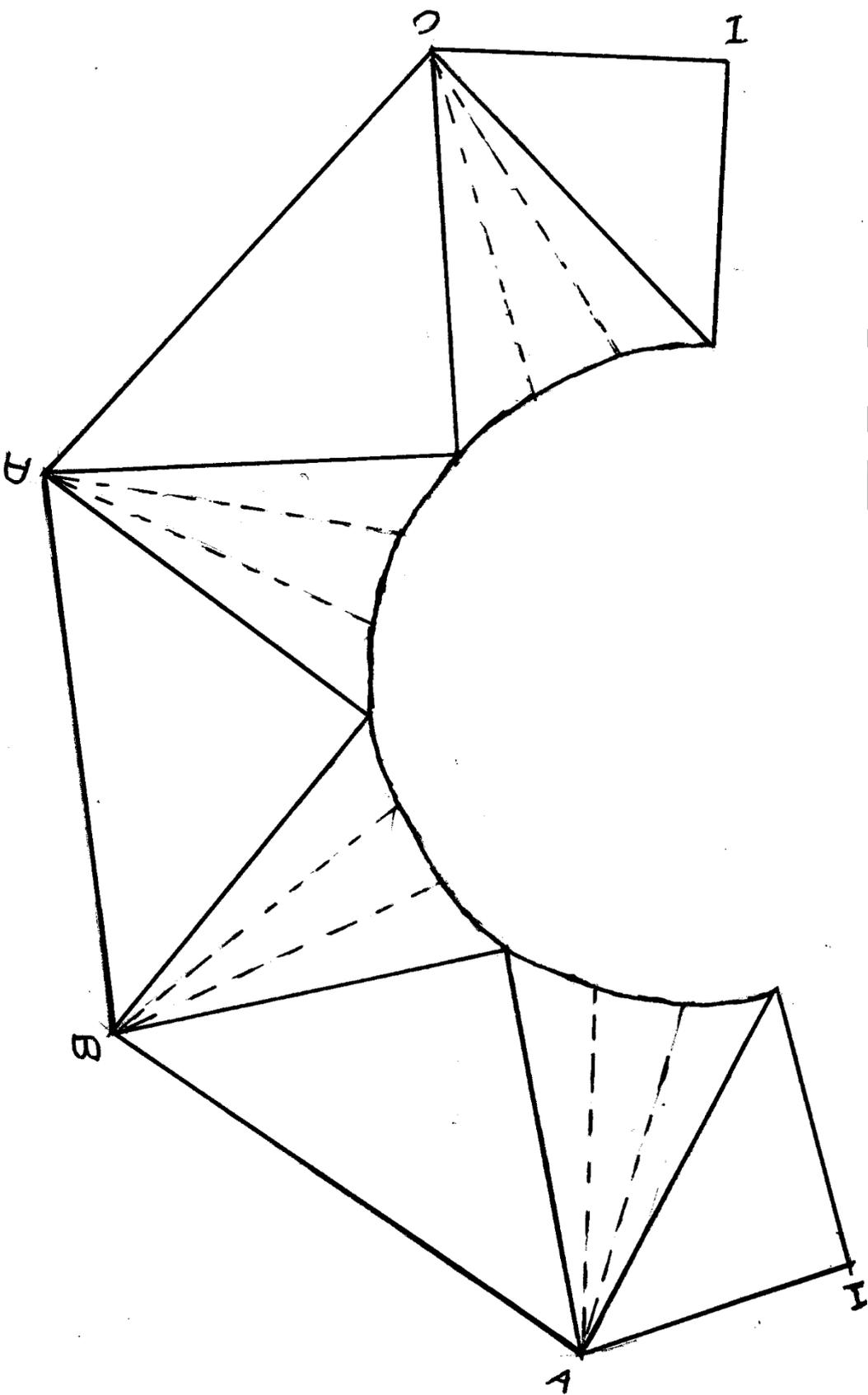
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**IV. ADVANCE EQUIPEMENTS AND TOOLS FOR THE CENTERS  
WORKING MATERIALS PER CANDIDATES.**

Ref	Materials	Quantity	UP	TP
1	Sheet S235 Of thickness 10/10 and dimension 90/160	01	1500	1500
2	Filler rods of diameter 2.5	01	1500	1500
3	Gas welding or oxyacetylene	01		
4	Welding plane			
5	Set of files			
6	Hack saw	01		
7	Steel ruler			
8	Welding goggles			
9	Mallet			
10	Marking out tools			
11	Hammer			
12	Centre punch			





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