



## CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

### Technical and Vocational Education Examination

JUNE XXXX

INTERMEDIATE LEVEL

|                  |                                           |
|------------------|-------------------------------------------|
| Subject Title    | <b>SHEET METAL CONSTRUCTION DRAWING 2</b> |
| Subject Code No. | 5400                                      |
| Paper No.        | <b>TWO</b>                                |

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**DURATION  
THREE HOURS**

#### INSTRUCTIONS TO CANDIDATES

1. The paper is presented as Part 1 and Part 2
2. Part 1 is construction drawing and Part 2 is marking out development.
3. Answer the question on Part 1 and Part 2.
4. Carefully read the instructions on each section before commencing.
5. Written answers should be brief and to the point.
6. This paper carries 60% of the total marks.
7. Candidates should have the following for this examination:
  - a. Drawing Board and Tee square
  - b. Drawing instruments and calculator
8. For question 2, work directly on the answer sheets .

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

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### AUTHORIZED DOCUMENTS

- Only non-programmable electronics calculators are acceptable

### RECOMMENDATIONS

- Before you start this paper, check to be sure that you have been given all the required documents

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## I. SUBJECT PRESENTATION

This subject evaluates the candidate's skill on:

- Pattern development of composed surfaces whose inferior orifices are linked to oblique cylinder.
- Graphical representation of objects and/or views of an object

This paper is composed of two independent parts that the candidate will solve in order of his or her choice.

### Part1: Marking-out /30marks

#### I- Geometrical study. /5mrks

I-1 Name the working piece.

I-2 State two projections that can be used when representing an object.

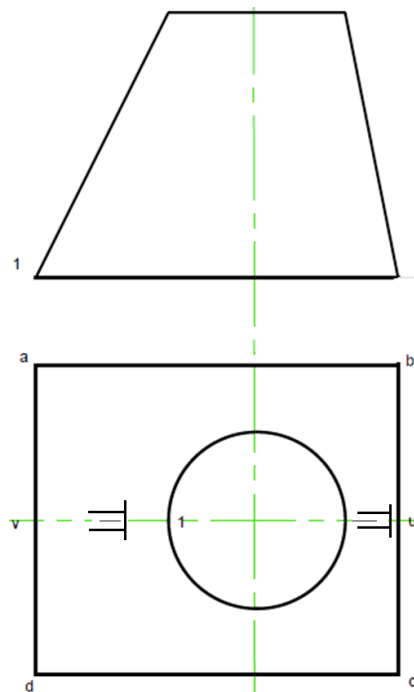
#### II- Graphical study. /25mrks

The drawing below represents a technical object used in sheet metal work. . It is entirely projected from the front and top views.

On the answer sheet1 given below.

- Complete the working drawing;
- Find the true length;
- Develop the Half part of the solid ;

### Working piece



### III- Marks distribution

|                                |        |
|--------------------------------|--------|
| Frontal elevation .....        | 5mks   |
| Top elevation .....            | 5mks   |
| True length .....              | 5mks   |
| Development of the solid ..... | 9mks   |
| Presentation .....             | 1mk    |
| Total .....                    | 30mrks |

#### Part2: Technical drawing /30marks

##### I- Geometrical study. /5mrks

- I-1 State the name of piece 3.  
 I-2 Give the function of this same piece 3.  
 I-3 Explain the designation Screw HM10-25

##### II- Graphical study. /25mrks

The drawing below represents a casing used to guide the shaft which transmit motion from the electric motor ( which is not represented) by the intermediate of the elastic linking sleeve 3 to the centrifugal pump.

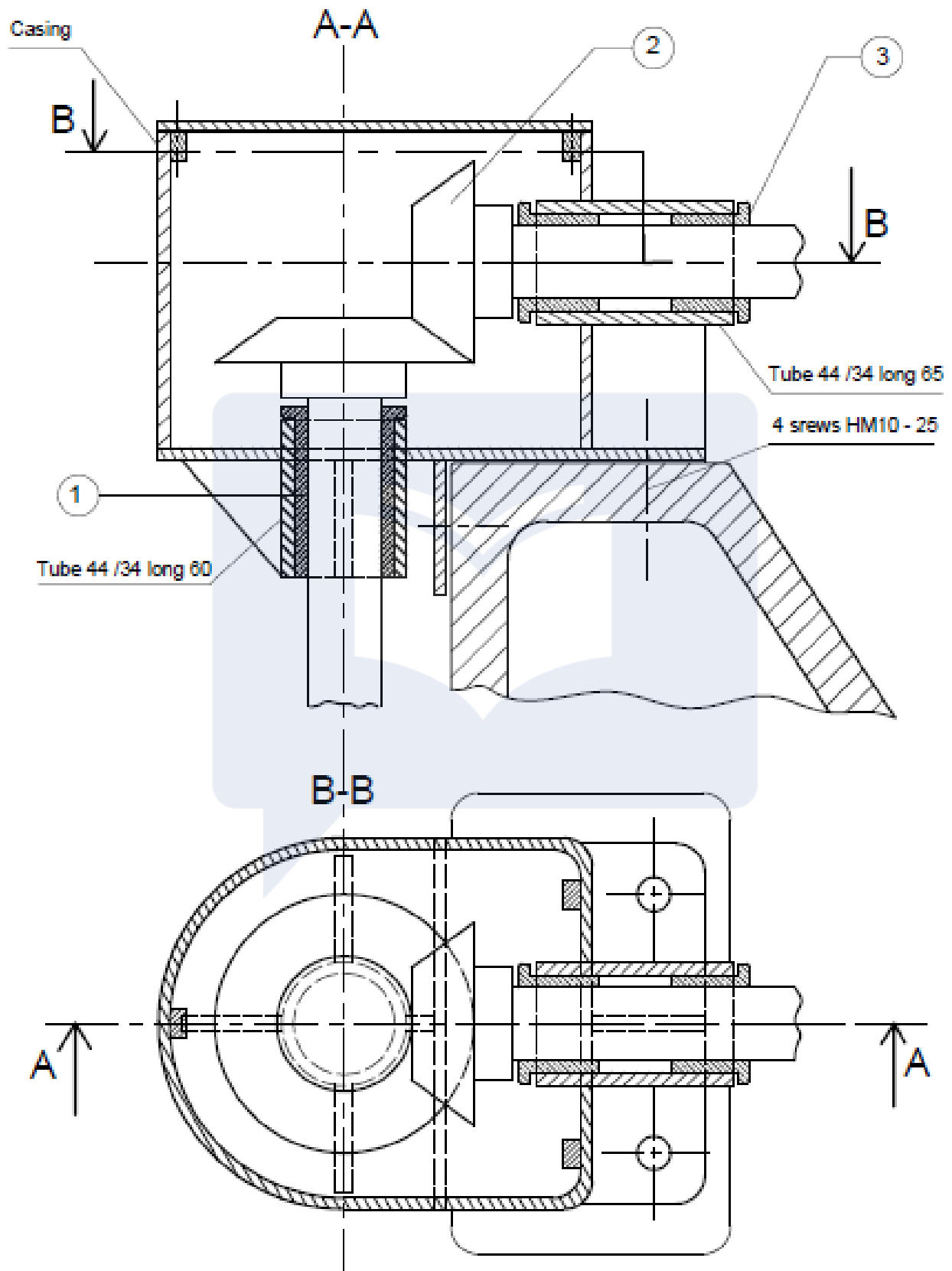
#### Work required :

On an A4V paper using scale 1:1, represent only the Casing in the following views.

- Front view section A-A
- Top view section B-B

*NB : do not represent the cover.*

# ASSEMBLY DRAWING OF THE CAISING



ANSWER SHEET 1

