

# MINISTRY OF EDUCATION, HERITAGE & ARTS

## WORKSHEET 8 YEAR 12 2021

### TECHNICAL DRAWING

#### STRAND 1: GEOMETRY

##### INSTRUCTIONS:

1. Use your exercise book to do all the questions given below.
2. All measurements are in millimeters.
3. Show all your construction lines clearly.

NAME:

**SECTION B**

**QUESTION 1**

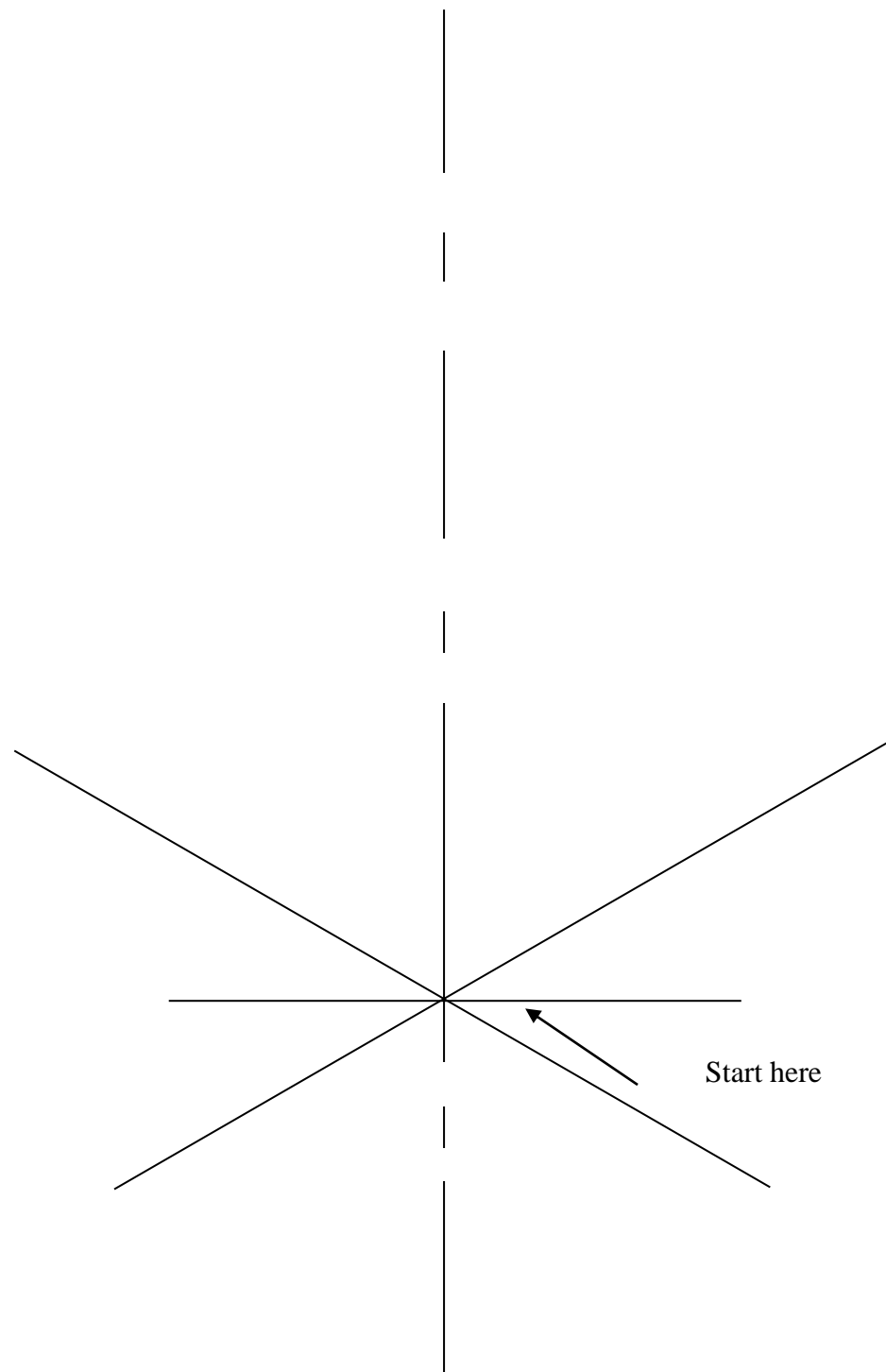
**(10 marks)**

**(20 marks)**

**Given:** The orthographic drawing of the gear housing.

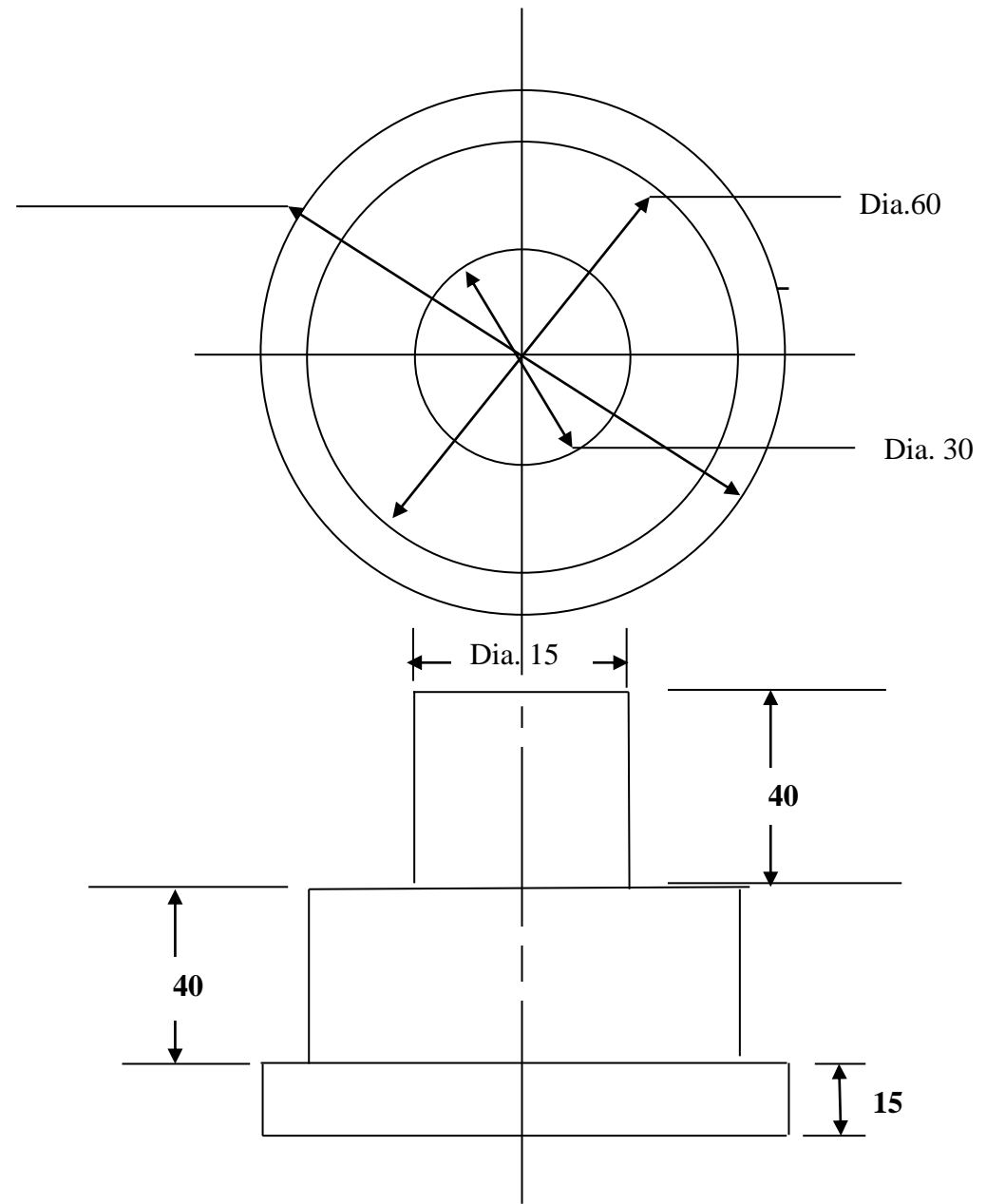
**Required:** Draw an instrumental isometric projection of the shaped block.

**(20marks)**



BQ1			
1	Correct hemispherical base 1	3	
2	Correct hemispherical base 2	2	
3	Correct cylinder height	2	
4	Correct plan	2	
5	Correct measurements.	2	
7	Correct method	2	
8	Correct line work	2	
9	Accuracy	2	
10	Correct isometric scale	2	
11	Correct dimension	1	

Dia.73



Dia.60

Dia. 30

Dia. 15

40

40

15