

# MINISTRY OF EDUCATION, HERITAGE & ARTS

## WORKSHEET 6 YEAR 13 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 except where stated otherwise
3. Show all construction lines clearly

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| NAME: |
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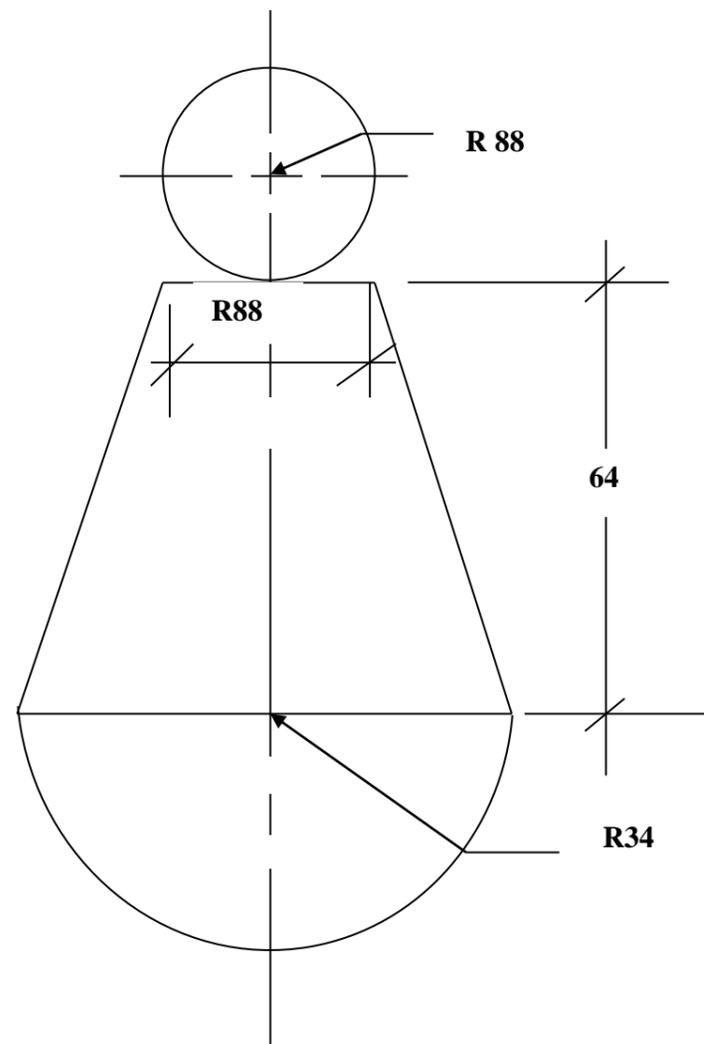
**SECTION B**

**QUESTION 1**

**(20 marks)**

**Given:** The sphere, the cylindrical stand and a hemispherical base of a Soccer Trophy.

**Required:** Draw the pictorial drawing in isometric projection. Use the measurements given.



| BQ1 |  |   |  |
|-----|--|---|--|
| 1   | Correct hemispherical base drawn         | 3 |  |
| 2   | Correct cylindrical stand                | 3 |  |
| 3   | Correct sphere drawn                     | 3 |  |
| 4   | Correct Methods on both top and bottom   | 3 |  |
| 5   | Correct method to draw isometric circles | 3 |  |
| 6   | Overall drawing                          | 3 |  |
| 7   | Correct line work                        | 1 |  |
| 8   | Accuracy                                 | 1 |  |

