FORM 2  

GRAPHERICAL COMMUNICATION  

Time: 2 hours

Name: ________________________________  
Class: ________________

Instructions

- Write your name and class on all sheets.
- Attempt ALL questions.
- Answer all questions accurately, using instruments, unless otherwise stated.
- All construction lines MUST be left on each solution to show the method used.
- Drawing aids may be used.

Information

- All dimensions are in millimetres.
- Estimate any missing dimension.
- Marks will be awarded for accuracy, clarity and construction.

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<tr>
<th>Question</th>
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<th>2</th>
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<th>4</th>
<th>5</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Max. mark</td>
<td>36</td>
<td>16</td>
<td>18</td>
<td>12</td>
<td>18</td>
<td>100</td>
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<td>Mark</td>
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1. The figure below shows a pictorial view of a ‘CHILDRENS’ SLIDE’.

Draw full size, in first angle orthographic projection:
(a) a front elevation as seen from arrow ‘A’, 14 marks
(b) a complete plan. 13 marks

Show all hidden details.
Include the following in your drawing:
(i) the symbol of projection used 2 marks
(ii) in the Name Block provided, print in all the missing items: Name, Date, Title, Scale, etc. 7 marks

Total 36 marks
2. Three orthographic views in first angle orthographic projection and an isometric projection of a bracket are shown below. Using the given start lines, draw full size, an oblique projection of the bracket, putting face ‘A B’ in the foreground.

3. The drawing shows an incomplete front elevation and a plan of a hexagonal pyramid. Draw full size:
   (a) a complete front elevation,
   (b) a one piece development of the whole pyramid. Do not include the base.
4. The drawing below on the left shows the logo of an archery club. Complete the unfinished logo given on the starter sheet by:
   (a) finding the centre of the target using the necessary construction
   (b) drawing two concentric circles, having diameters of 30mm and 60mm respectively.

5. A seaside village has a small sandy beach. The local council has decided that fishing will not be permitted any more from the beach area and a prohibition sign shall be fixed nearby. Within the given circle on the starter sheet, draw a **Prohibition Sign** indicating that **fishing is not allowed** (no fishing).
   Colour your sign according to standard specifications.
QUESTION No.1

NOTE: THE GIVEN PICTORIAL VIEW IS NOT DRAWN TO SCALE

PROJECT SYMBOL: ————
QUESTION No. 2

FRONT ELEVATION

END ELEVATION

ISOMETRIC VIEW

PLAN
QUESTION No. 3

VERTICAL HEIGHT OF
HEXAGONAL PYRAMID: 85