## X033/13/01

| NATIONAL | TUESDAY, 21 MAY | GRAPHIC |
| :---: | :---: | :---: |
| QUALIFICATIONS 2013 | 9.00 AM - 12.00 NOON | COMMUNICATION |
|  |  | ADVANCED HIGHER |



## 80 marks are allocated to this paper

Answer all questions.
Read each question carefully before you answer
3 Written answers may be in ink or pencil.
4 Drawings and sketches must be in pencil.
5 Coloured pencils may be used when sketching.
6 Dimensions are given in millimetres or as stated
7 Orthographic drawings are in third angle projection.
8 The leaflet for Questions 1 and 2 has been supplied separately. Please ensure that you have this leaflet

## 9 At the end of the examination

check that your name is on every sheet; put the sheets in correct numerical order;
place this sheet on top of the others;
oin all sheets together by stapling at the top left-hand corner;
before leaving the examination room, you must give these sheets to the Invigilator (if you do not you may lose all the marks for this paper)

| Marks Grid |  |
| :---: | :---: |
| Question | Marks |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 | 7 |
| 8 |  |
| 9 | 10 |
| 11 |  |

Using the "Autodesk Create" leaflet
Identify three Design Principles that are used in the leaflet, and describe how they are used
Design Principle 1 $\qquad$
Description:

Using the "Autodesk Create" leaflet.
Identify three Design Elements that are used in the leaflet, and describe how they are used.
Design Element 1
Description:

Design Principle 2
Description:

Design Element 2
Description:

Design Principle 3
Description:

Design Element 3
Description:

There are three main types of balance used in DTP publications
In the space below, state and sketch two DTP balances.
(a) Balance:

(b) Balance:

$\qquad$

Ambient

1
Total (2) $\square$
$\square$

An advertising leaflet for the game of handball, ready to be sent to the printers, is shown below Correctly identify the features arrowed in the leaflet.
(i)
(ii)
(iii)
(iv)

Edge of paper


The choice of print methods depends on many factors
(a) Describe three such factors.

Disadvantages
(c) Company logo onto polythene using flexography.

Advantages

Disadvantages:
$\qquad$
$\square$

Total (4)

Explain, with the aid of sketches, the following 3D CAD modelling techniques and terms.
(a) solid created through extrusion along a path
(b) surfaces or solids created between two or more entities (eg edge surf, loft)

1
(c) solids created through revolution
(d) union

1

1
(e) intersection

Total (5)

Draw, in the positions indicated:
(a) the end elevation;
(b) the plan.

Show all hidden detail.
(9 marks)



END ELEVATION


| $a$ |  |
| :---: | :--- |
| $b$ |  |
| $c$ |  |
| $d$ |  |
| $e$ |  |
| $f$ |  |
| $g$ |  |
| $h$ |  |
| $i$ |  |
| $j$ |  |
| $k$ |  |
| $l$ |  |
| $m$ |  |
| $n$ |  |
|  |  |

The incomplete elevation and end elevation of an intersecting semi-cylinder and triangular prism are given below.
Draw, the complete:
(a) elevation;
(b) plan;
(c) surface development of the triangular prism.

## Show all hidden detail.



END ELEVATION


DEVELOPMENT

ELEVATION

| $a$ |  |
| :---: | :--- |
| $b$ |  |
| $c$ |  |
| $d$ |  |
| $e$ |  |
| $f$ |  |
| $g$ |  |
| $h$ |  |
| $i$ |  |
| $j$ |  |
| $k$ |  |
| $l$ |  |
| $m$ |  |
| $n$ |  |
|  |  |

The elevation and plan of a transition piece are shown below.
Draw, in the position indicated, the surface development of the transition piece starting at seam $\mathbf{A B}$.

## (14 marks)



ELEVATION

| $a$ |  |
| :---: | :--- |
| $b$ |  |
| $c$ |  |
| $d$ |  |
| $e$ |  |
| $f$ |  |
| $g$ |  |
| $h$ |  |
| $i$ |  |
| $j$ |  |
| $k$ |  |
| $l$ |  |
| $m$ |  |
| $n$ |  |
|  |  |

B
SURFACE DEVELOPMENT

## The elevation, end elevation and plan of a Patio are given below.

The spectator point (SP), plane of projection (PP), ground line (GL) and eye level (EL) are also given.
Draw, from the given views a measured perspective view of the Patio.
Do not show hidden detail
(12 marks)

EL

GL

PP


PLAN



END ELEVATION [END OF QUESTION PAPER] $\square$ date's Name


| $a$ |  |
| :--- | :--- |
| $b$ |  |
| $c$ |  |
| $d$ |  |
| $e$ |  |
| $f$ |  |
| $g$ |  |
| $h$ |  |
| $i$ |  |
| $j$ |  |
| $k$ |  |
| $l$ |  |
| $m$ |  |
| $n$ |  |
|  |  |

## ACKNOWLEDGEMENTS

Question 5-British Handball logo is reproduced by kind permission of the British Handball Association.
Leaflet—Autodesk "Create" Leaflet, October 2009, Issue 08. Permission is being sought from Autodesk Ltd.
Leaflet—Image of Nike Zoom training shoes are reproduced by NIKE, Inc, under their "fair use" policy.

## X033/13/11

$\begin{array}{ll}\text { NATIONAL } & \text { TUESDAY, 21 MAY } \\ \text { QUALIFICATIONS } & 9.00 \mathrm{AM}-12.00 \text { NOON }\end{array}$ GRAPHIC
2013 COMMUNICATION ADVANCED HIGHER
Leaflet for use with
Questions 1 and 2


