X033/13/01

NATIONAL QUALIFICATIONS 2014  GRAPHIC COMMUNICATION
THURSDAY, 8 MAY  1.00 PM – 4.00 PM  ADVANCED HIGHER

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Date of birth

Day  Month  Year

Scottish candidate number

Number of seat

80 marks are allocated to this paper.

1 Answer all questions.

2 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 Question 1 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; join 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).
Design Elements/Principles have been given below.

Please refer to “Moray Monster Trails” leaflet.

For the terms below:

- circle to show whether a Design Element or Design Principle;
- describe with direct reference to the leaflet, how the design element or design principle has been used in the leaflet.

(i) White space: Design Element/Design Principle
   Description:

(ii) Balance: Design Element/Design Principle
   Description:

(iii) Shape: Design Element/Design Principle
   Description:

(iv) Colour: Design Element/Design Principle
   Description:

(v) Contrast: Design Element/Design Principle
   Description:

(vi) Value: Design Element/Design Principle
   Description:

Total (12) ___
The graphic shown below is a page out of a magazine. Rule off and annotate the given page to show the Desktop Publishing terms listed below:

- Column structure
- Gutters
- Body text
- Text run-around
- Reverse text
- Sub Headline
3. Typefaces generally fall into one of three categories or groups. Explain, with the aid of sketches, each of these three groups.

(i)

(ii)

(iii)

4. Explain the following printing terms.

(i) Camera-ready copy

(ii) Calendaring

(iii) Paper opacity

Total (3)
The following commands are associated with Computer Aided 3D Modelling.

(i) Boolean Intersection
(ii) Surface of Revolution
(iii) Solid Primitive

Describe, with the aid of sketches, these 3D modelling commands.

(i) 

(ii) 

(iii) 

Lighting in 3D modelling techniques is important to add realism to your models. Explain, with sketches, the following CAD lighting terms.

(i) Distant light:

(ii) Spotlight:

(iii) Ambient light:

Total (6)  

Total (3)  

Candidate’s Name ________________________________
The complete elevation and incomplete plan of a solid right cone are given below.

**Draw**, the complete:

(a) plan;
(b) end elevation.

**Show all hidden detail.** (12 marks)
The plan and incomplete elevation of an intersecting triangular and cylindrical pipe are given below.

**Draw**, in the positions shown:

(a) the complete elevation;

(b) the end elevation to the right of the elevation.

Show all hidden detail. (14 marks)
The complete elevation and incomplete plan of a solid oblique cone are given. Draw:

(a) the complete plan;
(b) the surface development along seam AB.

Show all hidden detail. (11 marks)
The elevation and plan of a transition piece attached to a cylinder are shown. Draw, starting at AB, the surface development of the transition piece only, with the seam in the position given.

(10 marks)
ACKNOWLEDGEMENTS

Section A Question 2 – Page from Sainsbury's Magazine – “A little place we know – Casa Alla Scala, Sicily” (Page 135 of the Travel Section, Words: Sarah Randell, Photographs: Jan Baldwin). Published by Seven. Reproduced by kind permission of Seven.


Leaflet for use with Question 1 – Leaflet – Logo and reference to The Outdoor Access Code.

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