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

70 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  Dimensions are given in millimetres or as stated.

6  Orthographic drawings are in third angle projection.

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).
A desktop publishing document is shown below. State the DTP features indicated at:

1. **Who?** Alastair
2. **Invites** Neil
3. **When?** 20/06/15
4. **Where?** My house
5. **How to Design a Party Invite by R.D. Omin

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Why do we use it? It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English.

Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

Where does it come from? Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cities of the word in classical literature.

How to Design magazine

Monster Invite design
A variety of views of a place card holder, which is manufactured from two components, are shown.

(a)  
(i)  Name the type of pictorial view shown at View A.  
................................................................................................................................. (1)
(ii) State the name of another pictorial view which could have been used to represent the place card holder.  
................................................................................................................................. (1)

(b)  Using the four views shown above, state which shows the correct sectional end elevation on A–A of the place card holder.  
................................................................................................................................. (1)

(c)  Using the four views shown above, state which view shows the correct sectional elevation on B–B of the place card holder.  
................................................................................................................................. (1)

(d)  Explain why sectional views are used as part of Orthographic drawings.  
.................................................................................................................................
The various stages in producing a CAD drawing of a DJ mixing desk are shown below. Identify the single CAD command used to produce each stage.
A pictorial view, elevation and end elevation of a party whistle are given below.

(a) Add the following dimensions to the elevation or end elevation, according to British Standards.

(i) Angle $\mathbf{W}$ 30 degrees  
(ii) Breadth of edge $\mathbf{X}$ 50 mm  
(iii) Height of edge $\mathbf{Y}$ 10 mm  
(iv) Radius $\mathbf{Z}$ 45 mm  

(b) Draw on the elevation, according to British Standards, the centre lines to mark the centre of circle $\mathbf{Z}$.  

No hidden detail shown.
The elevation and end elevation of a paper party bag are given.
A pictorial view is also shown.
Draw, **full size**, the plan in the position indicated.
**Show all hidden detail.** (9 marks)
The elevation and end elevation of a paper party bag are given.

Sketch, in good proportion, a 2 point perspective view of the party bag using the given starting point X and vanishing points VP1 and VP2.

(5 marks)
The elevation and plan of a party cup with label are given.

**Draw**, in the position indicated:

(a) the end elevation;

(b) the surface development of the label opened along A–A.

Show all hidden detail. (12 marks)
The elevation, end elevation and plan of a digital camcorder are given.

**Draw** as isometric view in the position indicated.

Do not show hidden detail.  

(13 marks)
Orthographic views of three component parts of a cake display stand are given. An assembled pictorial view is also shown.

**Draw**, in the position indicated the sectional end elevation on **A–A** of the assembled cake display stand.

Do not show hidden detail. (11 marks)