

CONTENTS

FOREWORD	1
CDT: DESIGN AND COMMUNICATION	2
GCE Ordinary Level	2
Paper 7048/01 Paper 1 - Structured	2

FOREWORD

This booklet contains reports written by Examiners on the work of candidates in certain papers. **Its contents are primarily for the information of the subject teachers concerned.**

CDT: DESIGN AND COMMUNICATION

GCE Ordinary Level

Paper 7048/01 Paper 1 - Structured

General comments

Candidates are to be congratulated on maintaining the standard of work seen in previous examinations. Although there was a smaller number of candidates who gained very high marks, there were few with low marks.

In general, candidates appeared to find the questions in **Section 1** more accessible than those in **Section 2**.

There was a considerable increase in the number of candidates who attempted more questions than were required and/or attempted an incorrect combination of questions.

As fifteen minutes reading time is allowed for this examination, candidates should be advised to use this time more profitably.

Comments on specific questions

Question 1

Illustration for a Holiday Village

Most candidates answered all parts of this question satisfactorily.

- (a) To gain all three marks, it was expected that the two ideas for the layout of the chalet would be sufficiently different. It was also expected that consideration would be given to suitable positioning of the doors and windows.
- (b) A total of fourteen marks was given for completing the plan showing the chosen layout of rooms in accordance with the given specification. To gain all these marks, the three rooms had to be the correct size and arranged in a suitable layout. Walls had to be an appropriate thickness and doors and windows shown as specified using the given conventions

It was surprising how many candidates ignored the specification and presented a totally independent layout.

- (c)(i) This part of the question was answered well by most candidates. A common error, however, was a failure to reduce lengths along horizontal axes as required in estimated two-point perspective. A total of eleven marks was given in which four marks were given for the correct technique and seven marks for accuracy.
- (ii) Most candidates failed to gain the three marks given for contents of the chalet that would have been suitable for the holiday brochure. It was expected that simple items of furniture and fittings would have been shown.

Colouring was often too heavy and badly applied. Up to three marks were given for the effective use of colour.

Question 2

Island Cycle Race

- (a) Most candidates gained high marks for the logo. As always, simplicity was the keynote of good design and some very good answers were to be seen. Four marks were given for design sketches and eight marks for the chosen design.
- (b) This part of the question, for which fourteen marks were given, was also answered well. To gain all the marks it was expected that the route would be well proportioned and include all required information. More particularly, it was expected that the route would be simplified and yet remain clear to those looking at it and be represented by straight lines wherever possible.

It was common for candidates to lose marks for poor line quality and printing. A mere copy of the given map was penalised.

- (c) By comparison, designs for the eye-shade were poor. To gain the eight marks given, the proposed ideas had to satisfy all elements of the brief and, in addition, communicate the design clearly. In many answers, it was not possible to assess whether either the eye-shade could be produced cheaply or it would be suitable for a child's head of the size given. Materials to be used should have been specified.

Question 3

Table

- (a) One mark was given for regular hexagon.
- (b) Answers to this part of the question produced a very wide range of marks. Three marks were given for sketching quality, one mark for correct scale and three marks for a pictorial view that showed the table to its best advantage.

Fifteen marks were given for accuracy: seven for the top, two for the glass being set into the top correctly, three for the legs and three for the base. Many solutions were badly proportioned.

A number of candidates were unable to interpret the given orthographic views and translate the shape of the table into pictorial form. The incorrect positioning of the legs and the shaping of the glass sheet were common errors.

- (c) Most candidates gained the two marks for shading the wooden parts, a lesser number shaded the glass sheet satisfactorily, but very few gained the two marks for showing the shininess of the metal legs.
- (d) A variety of methods were given for joining the legs to the top, but it should be noted that most of the four marks were given for the clear communication of the idea, rather than for the idea itself.

Many candidates gained very satisfactory marks for this part of the question.

Question 4

Hotel Logo

Although this question was attempted by almost all candidates, few obtained high marks.

- (a) Up to four marks were given for a suitable *graphical* method for enlarging the figure. Very few candidates gained these marks. Most solutions appeared to have been guessed with only a very limited attempt to determine accurately the enlarged sizes and shape. Four marks were given for completing the letter C and eight marks for the octagon. Some credit was given for a calculated solution where there was evidence of the method used.
- (b) By comparison, the number five was generally drawn well. Two marks each were given for the overall size and correct position of the number, two marks for the width of the bars, two for the horizontal slots and the remaining six marks for a good representation of the number five in the same style as the given numbers.

Question 5

Spiral Staircase

- (a) Most candidates were able to construct the helix although a number failed to read the question carefully enough and, as a result showed more than one complete turn on the given view. Four marks were given for line quality of which two were for accuracy of the line of the helix. Nine marks were given for construction in both views, one mark each for the correct start and stop points and two marks for the correct direction of rotation.

Marks were lost for inaccuracies of detail particularly in the direction of rotation and the incorrect division of the vertical height.

- (b)(i) It was surprising how many candidates were unable to identify the curve.
- (ii) Again, as a result of not reading the question carefully enough, many candidates failed to divide the height of the given front view into fourteen equal parts in order to determine the height of each step. Further marks were lost for not scaling the answer. Four marks were given for construction and three marks for the accuracy of the answer.
- (iii) Few candidates gained any of the seven marks given for determining the true length of the inner handrail.

Question 6

Model Fun-fair Stall

This was another question involving the knowledge and application of appropriate constructions in which answers were disappointing.

- (a)(i) Most candidates gave the correct scale of the drawing and gained two marks.
- (ii) Equally, most candidates identified the angle of projection used, but lost one mark for poor quality presentation.
- (b)(i) Most candidates gained the two marks given for drawing the larger pentagon accurately, but omitted to include centre lines necessary to complete the view accurately. Two marks were given for the circle shown as hidden detail, two marks for the smaller pentagon and two marks for the stays. Satisfactory marks were gained for this part of the question.
- (ii) Although four marks were given for this relatively straightforward view projected from the plan, many candidates confused the ordinates of the truncated pyramid with the stays and lost marks. It should be noted that an inaccurate view projected correctly from an inaccurately drawn first view is given credit.
- (c)(i) The development was usually drawn correctly, but inaccurately. Few candidates made any attempt to determine the true length of the ordinates, for which three marks were given, but proceeded to construct the development correctly for which a further seven marks were given.
- (ii) One mark was given for the length of the front half of the base and credit was given for a calculated answer. Two marks were given for the two heights of the curves on the development and a further two marks for suitable curves. Most candidates gained some marks for their answer.