

THE INSTITUTE OF CARPENTERS



Fellowship Examination

15th - 19th June 1998

Paper 1: JOINERY PRACTICE

TIME ALLOWED: THREE HOURS

The following instructions should be read by all CANDIDATES before they commence work.

To obtain full marks Candidates must answer SIX questions. The answer to each question should be submitted on a separate sheet of paper.

The question number and your candidate number must be clearly written in the top right-hand corner of each answer sheet.

1. Explain the uses and methods of application for the following timber treatments :-
 - (a) Preservatives;
 - (b) Exterior wood stains;
 - (c) Varnish;
 - (d) Paints.
2. A pentagonal on plan timber shelter for a Golf club is to be constructed, with internal wind-breaks, a pitched roof and open sides. Describe with the aid of sketches the constructional details to include a plan of the layout.
3. The installation of dust extraction plant in a woodworking machinery shop is now a statutory requirement.
 - (a) State :-
 - i) Reasons why this is necessary;
 - ii) The advantages to be gained by its use.
 - (b) Draw a line diagram of a suitable layout and list the component parts.
4.
 - (a) In relation to the forming of curved timber members,
 - i) List three methods of forming the curved timber;
 - ii) State the factors which effect the choice of method used.
 - (b) Describe with the aid of sketches the work necessary in the preparation of a handrail wreath for a quarter turn staircase. Include a method of obtaining the section of timber.
5. A workshop supervisor requires a report for use in woodcutting machinist training sessions, detailing a number of statutory requirements included in the current woodworking machines regulations. Write the report with references to :-
 - a) Lighting;
 - b) Noise;
 - c) Temperature;
 - d) Floor condition;
 - e) Working space.

6. On inspection of a timber merchants catalogue a number of abbreviations were noted. Explain the meaning of **FIVE** of those listed below :-
- a) CLS Spruce;
 - b) Flooring T & G and EM;
 - c) FAS;
 - d) One FD60 door;
 - e) WBP Glue;
 - f) Teak Plywood G/S.
7. A bar and fitments for a restaurant have been prepared in a Joinery workshop. State the precautions necessary to protect these items when they are :-
- a) Stored at the works awaiting despatch to the site;
 - b) Being transported to the site;
 - c) Fixed in their respected positions.
8. Explain the duties of each of the following employees within a Joinery organisation :-
- a) Setter-Out;
 - b) Foreman;
 - c) Manager.