

CANDIDATE NAME

CANDIDATE No
Sample Paper



The Institute Of Carpenters

FOUNDATION CERTIFICATE

SAMPLE

THEORY PAPER

TIME ALLOWED ONE AND A HALF HOURS

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

To obtain full marks Candidates must answer **ALL** questions
Answers **MUST** be submitted on the question paper
immediately below the question

Your candidate name and number **MUST** be written clearly in
the top right hand corner of this sheet

1. State whether Beech is classified as a Hardwood or Softwood.

2. Name a type of adhesive that would be suitable for external use.

3. Using a compass and ruler, construct an equilateral triangle whose sides are 40 mm long.

4. State why timber components must always be stored under cover on site.

5. Calculate the volume of a length of timber 250 mm x 75 mm x 3.5 m.

6. State **TWO** reasons for seasoning timber.

1.
2.

7. Sketch a section to show the construction of blockboard.

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8. Name the type of roof shown in Fig.1.

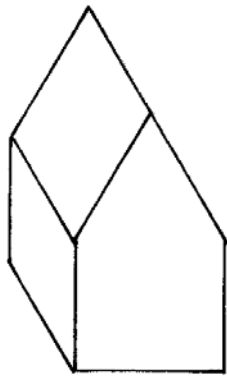


Fig. 1

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9. State the purpose of using architraves around a door frame.

10. Name **TWO** items of safetyware recommended when working on a building site.

1.
2.

11. Give **TWO** examples where a masonry nail may be used as a method of fixing.

1.
2.

12. Name the type of joints used when constructing a panelled door.

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13. State the reason why an orbital electric sander should not be used on a door that is to receive a polish finish.

14. Sketch the type of chisel that would best be suited for cleaning out the bottom a housing joint.

15. State the angle used when constructing a drawing in isometric.

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16. Add together the following :-

1.200 m
34.560 m
.566 mm
.23 mm

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17. Name the top horizontal member of a door frame.

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18. Name the type of joint that would be used to secure the sides to the front of a drawer.

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19. State **ONE** reason why a scribing joint would be used at an internal angle when fitting skirting.

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20. Describe why formwork is coated with a release agent prior to pouring in the concrete.

21. State why working platforms should be stored flat on bearers.

22. Using a compass, bisect the angle shown in Fig.2 to form a 22.5° angle.

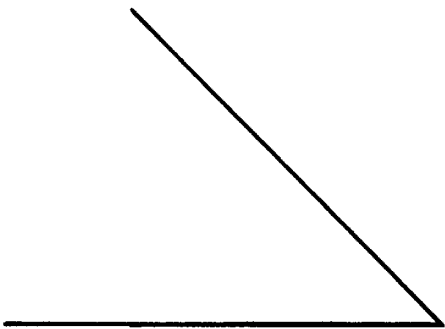


Fig.2

23. Describe the role of an Architect.

24. Sketch **ONE** method of timber conversion.

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25. State the act of 1974 that must be obeyed by both employers and employees.

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26. Name a type of screw that would be used to secure beading around a glazed opening.

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27. State **ONE** situation which would cause an outbreak of Dry Rot.

28. Sketch a type of hinge that would be used on ledged and braced door.

29. State the purpose of the plinth recess at the base of a cupboard unit.

30. State the cause of condensation forming on a single glazed window.

31. Explain the main reason why oil is used on an oilstone when sharpening tools.

32. Describe why a reduced voltage of 110 volts is recommended for portable electric power tools.

33. Calculate the area of a circle with a radius of 50 mm.

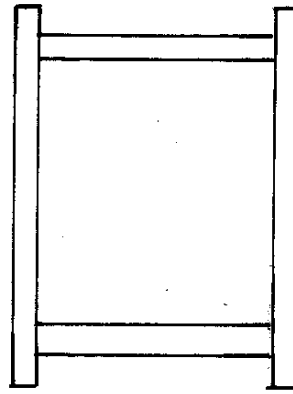
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34. Sketch **TWO** types of screw heads.

35. Fig.3 shows a frame that has been assembled. Indicate on the drawing the method used to check for “square”.

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Fig.3



36. Name the side vertical members of a four panelled door.

37. State the hand tool used to form a groove down the length of a piece of timber.

38. Using notes and sketches, describe **ONE** method to ensure tight fitting floor boards.

39. Describe **ONE** situation where a spirit level would be used.

40. List the ironmongery to be used on a single casement window.

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