



The Institute Of Carpenters

INTERMEDIATE EXAMINATION

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 20** questions

All questions carry equal marks

Answers **MUST** be submitted on the question paper immediately below the question

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

This question paper remains the property of the

Institute of Carpenters

and all USED AND UNUSED PAPERS **MUST** BE RETURNED after the examination

Name:

Date of Birth:

Occupation:

Region

Age

1. Name **THREE** timbers classified as Softwoods

Mark

1.

2.

3.

2. Describe a situation where dead shoring would be used.

3. Using drawing equipment and the given base line at Fig.1, construct a hexagon.

Fig. 1



4. State the name of the guard which covers the top of the saw on a circular saw bench.

5. Calculate the following materials order adding 17.5% for VAT.

3 No sheets of 2.440 x 1.220 x 18 mm ply @ £11 per sheet.

14 No boxes of 3" x 10 C/S steel screws @ £6.50 per box.

18 m run of 45 x 45 s/wood @ £1.50 per metre.

Total: £

6. State **ONE** method of seasoning timber.

7. Sketch the type of hinge that would be used on a stormproof casement window.

8. A number of door frames are to be delivered to site by lorry. Describe how the frames will be protected during transport.

9. Fig.2 shows a part section through a tread of a staircase. Complete the drawing to include the riser to show how it is secured to the tread.

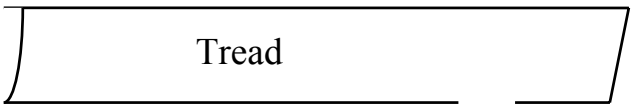


Fig.2

10. State a suitable moisture content for a solid timber shelf to be fixed above a radiator.

--

11. Sketch and name a type of lock that would be used for a ledged and braced door.

12. Describe the sequence of operations when fitting architrave around a door frame.

13. List **TWO** items of information that can be obtained from a setting-out rod

1.	
2.	

14. Give **ONE** example of a site operation and the safety equipment that must be used.

Operation	Safety Equipment

15. Indicate with an arrow on the drawing in Fig.3 which direction the belt should rotate on an electric portable belt sander.

Mark

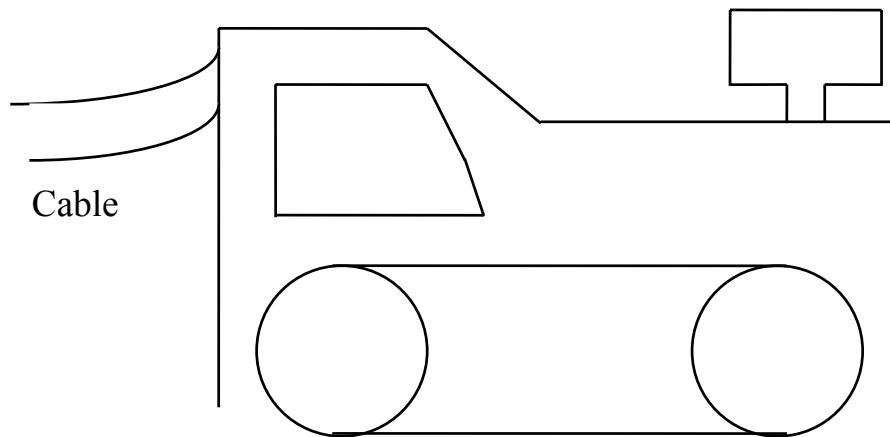


Fig.3

16. State **TWO** reasons why grounds are used when fitting dado wall panelling.

1.
2.

17. State **TWO** reasons why a haunch is used on the middle rail of a four panelled door.

1.
2.

18. Fig.4 shows a part horizontal section through the studwork of a timber partition. Complete the drawing to include a method of sound insulation.

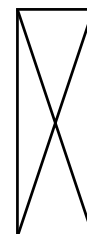
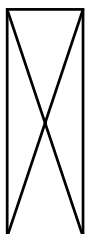


Fig.4

19. State **TWO** reasons why wallplates are used in roof constructions.

Mark

1.
2.

20. Fig.5 shows the vertical section through an inverted concrete cill for an external door frame. Complete the drawing to illustrate a mould box suitable to pre-cast the item.

Fig.5

