CENTRAL BHARAT SEVAK SAMAJ

NATIONAL DEVELOPMENT AGENCY, ESTABLISHED IN 1952 BY PLANNING COMMISSION, GOVT. OF INDIA

CENTRAL BOARD OF EXAMINATIONS

BSS NATIONAL VOCATIONAL EDUCATION MISSION

TTS012-BSS DIPLOMA IN CARPENTRY

ONE YEAR EXAMINATION NOVEMBER-2025

TTS012-01 COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) Noun is a _____ Word

2) It is good _____ health.

3) _____ is father of computer

4) I have _____ car

5) To colour a picture _____ is used

6) In Windows _____ function key used to get help

7) _____ generation computer used to integrated circuits.

8) Who is invented slide rule _____

9) Shortcut Key for Cut is _____

10) I _____ eaten food.

11) Keyboard shortcut for UNDO command is _____

12) CPU stands for _____

13) Esc used for _____

14) Vowels are _____

15) Mouse is an _____ device.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) What are the types of letters?
2) What is preposition?
3) Define Auxiliary verb?
4) Define some relative adverbs?
5) What is meant by plural number? Example:-
6) What is meant by neuter Gender?
7) Backup
8) Write short notes on Super Computer
9) Explain 'find', 'replace' and 'go to'.
10) Active form
11) Clause
12) Conjunction
13) Explain Header and Footer
14) Explain 'find', 'replace' and 'go to'.
15) Define Internet?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) Explain informal letter?
2) Define usage of interjection?
3) Write any two kind of official letters
4) Explain analog and hybrid computer
5) Work area
6) Time sharing
7) Print preview
8) Define kinds of participle

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) Explain how you write a resignation letter
2) What are the advantages of using computer in the Modern Field.
3) Write a mailmerge to invite your friend in your family function what are the procedure of the merge?.
4) Explain 'Mail Merge'
5) Write briefly about generations of computer?

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TTS012-BSS DIPLOMA IN CARPENTRY

ONE YEAR EXAMINATION NOVEMBER-2025

TTS012-02 CARPENTARY THEORY

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) _____ type of PPE is required for protection of hands
2) _____ tree grows new layers on the outside of the trunk
3) _____ part of wood protects from external destroying agencies
4) Which timber is closely grained, hard and durable
5) _____ timber is used to avoid cracks and knots
6) _____ type of joint is used for fixing shelves
7) _____ is the name of board?
8) _____ board is used for rail, buses and lorry body buildings _____
9) The name of part marked as X _____
10) _____ is the use of portable power disc sander machine
11) _____ operation is to be performed before assembly of stool
12) _____ Sal wood is used for furniture (cot) work
13) The name of portable electric machine _____
14) _____ relies chiefly on figure, grain colour of timber
15) _____ is the advantage of portable electric router machine

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Name the tools used for pulling nails?
2) On what parameters, the strength of the joint depends?
3) Name the various joinery materials used in carpentry?
4) Surface plate?
5) What is the purpose of flux used with the solder?
6) What are the applications of brazing?
7) What is meant by smithy?
8) Define the terms, as applied to smithy shop Swaging?
9) With what, the fuller size is denoted?
10) Fuses and Circuit Breakers?
11) What is a mold and what is meant by molding?
12) What is a pattern?
13) What are the points to be considered while designing a pattern?
14) What is a molding board?
15) Define electric wiring?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) What is the difference between marking gauge and marking knife?
2) What is the difference between c-clamp and bar cramp?
3) Type of file hand file, description and use?
4) Straight-peen hammer?
5) Differentiate between cross-peen hammer and mallet?
6) Classify the tongs and their applications?
7) What is the effect of polarity on weld strength and HAZ?
8) Measuring instruments?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) Describe an open hearth coal fired furnace, along with its working principle?
2) Differentiate between, "natural molding sand" and "synthetic sand"?
3) Describe constructional features of band saw machine?
4) Writes long notes on Pedestal grinding machine?
5) Writes long notes Work holding devices?

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TTS012-BSS DIPLOMA IN CARPENTRY

ONE YEAR EXAMINATION NOVEMBER-2025

TTS012-03 CARPENTARY METHODS

TIME: 3 Hours **Marks: 100**

INSTRUCTIONS

* 43 questions are there in total
* Write answers to each question in proportion to the mark allotted
* During the first 15 minutes read the questions carefully

I. FILL IN THE BLANKS - ANSWER FOR ANY 10 QUESTIONS **1 x 10 = 10**

1) As a Builder, hand and _____ essential parts of your trade
2) A tilt-arbor table bench saw is so named because the saw blade can be tilted for _____ by tilting the arbor
3) Heartwood - _____ which gives strength to the tree
4) Bark - protects and covers inner layer called _____
5) The boards should be stacked 25 or 50 mm apart to form _____
6) The size and the dimension of the _____ will determine the procedure of hand floating concrete
7) Auger bit has a solid centre and can be used with a brace or electric drill. Bits are available in dimensions - _____
8) A _____ is a metal weight with a string attached to a central hole. This instrument is used-to check the plumbness of vertical surfaces.
9) _____ must go from bottom plate to top plate at as low an angle as possible
10) Barge board -The _____ on the gable ends which are fixed to the purlins and cover the ends of the roof timbers.
11) Fascia: The upright board fixed to the feed of the rafters to carry the _____ Any wide board fixed on edge.
12) Purlin or Batten - _____ member supporting the rafters in a roof which in turns is supported off the walls by struts.
13) The _____ is the upright board fixed to the end of the rafters to carry the gutter
14) Ohm is the measurement of _____, which occurs when electric energy is flowing.
15) If plywood is _____, care has to be taken that the plywood sheets are nailed only vertically and the surface of the plywood is in good condition.

II. DEFINE THE FOLLOWING - ANSWER FOR ANY 10 QUESTIONS **2 x 10 = 20**

1) Define Formwork for concrete slab?
2) What are the purpose of a footing and its correct depth and shape?
3) How to identify the different hand saws?
4) Why a profile has to be made and how it is made?
5) Define joints characteristics and uses and be able to make some joints independently?
6) Define the purpose of braces?
7) Stairway?
8) How the height and the number of diagonal members are calculated?
9) What are The purpose of braces and how they are fixed?
10) What are Procedure for making a truss?
11) Joining a window frame?
12) What are the different types of flooring and their characteristics?
13) How many Ampere to secure power points?
14) How to connect light switches and power points?
15) How to install a simple wiring system in a house?

III. WRITE BRIEF ANSWER FOR ANY 5 QUESTIONS **5 x 5 = 25**

1) Describe a strip footing for a concrete block wall, how it is reinforced and the mixture of the concrete used?
2) Explain The procedure for sharpening a plane in theory and practise, on the grinder as well as on the oilstone?
3) How to erect stumps or posts exactly vertical and in line with the other stumps? Explain
4) Describe the procedure of making a wall frame?
5) Explain ceiling joists can also serve as floor joists for a second floor or as part of a roof construction?
6) Distinguish between the different roof shapes and their characteristics?
7) Describe what fibre cement boards are and how they are joined and nailed to the wall?
8) Define technical terms - DC, AC, Active, Neutral, Earthing, Volt, Ampere and Ohm Explain detail?

IV. WRITE LONG ANSWER FOR ANY 3 QUESTIONS **15 x 3 = 45**

1) Explain why scale drawing is necessary?
2) What is meant by seasoning of woods? Explain any One method of seasoning?
3) Explain the purpose of painting?
4) Recommend TWO ways of storing A after use?
5) What aspects would you take into consideration when taking care of B?