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

TTS027-ELECTRICAL WIRING TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

TTS027-01 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) I saw a beggar near _____ bus stop

2) The tiger _____ A deer

3) A cat is _____ the table.

4) ALU stand for _____

5) Function keys are _____

6) Mouse is an _____ device

7) In Dos To change the name _____ command.

8) In Windows _____ function key used to get help

9) Windows 98 allows to start an application in _____

10) Computer is an electronic _____

11) The tool bar contains _____ related to the _____

12) To colour a picture _____ is used

13) _____ generation computer used to integrated circuits.

14) _____ is the first computer programmer

15) I _____ eaten food.

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

1) What are the types of letters?
2) Define proper noun?
3) What is meant by weak verbs?
4) Subordinate clauses
5) MS access
6) What is the difference between Notepad and Wordpad
7) Explain any five functions in MS Excel
8) MS Access
9) MS office
10) Insert column and insert chart
11) Define Mouse
12) Define Object
13) Define Adverbs?
14) Define keyboard?
15) Informal letter

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

1) Write a letter to a book seller ordering some prize books?
2) Explain types of computer
3) Edit
4) Tool bar
5) Shift+functions of the keys
6) What is sentence? Define its classification
7) Give 5 examples of interrogative sentence
8) Write about simple and compound sentences?

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

1) Write a letter to the station master requesting him to reserve two coaches for your school excursion party
2) Write what in complex sentence
3) Explain a computer and draw a block diagram
4) Explain the MS word and its applications
5) What is Internet what are its advantages

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TTS027-ELECTRICAL WIRING TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

TTS027-02 BASIC ELECTRICAL - 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) _____ Powder is used for heater coil
2) _____ system wiring is used now a days
3) Heater element is made of _____ wire
4) Electroplating is an example for a _____ effect of current
5) Ohms law of R = _____
6) _____ meters are more accurate.
7) _____ produce rotation.
8) _____ produce magnetic field.
9) _____ is produced due to resistance.
10) _____ is used to regulate current.
11) _____ maintain current at nominal level
12) _____ do not conduct electricity.
13) _____ conduct electricity.
14) _____ makes soldering perfect.
15) _____ avoids shock from cables.

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

1) Test Lamp
2) M.C.B
3) I.C.D.P
4) Insulator
5) Tungsten
6) Define a solenoid coil.
7) What is magnetic field?
8) Explain electric field.
9) Define a grid.
10) Define a sensor.
11) What is simple switch?
12) Define earthing.
13) Define digital and analog.
14) What are the steps to be followed before earthing.
15) What is feed back.

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

1) Briefly sketch the hospital wiring and write the procedure
2) Give five examples of heating effect of current
3) Briefly explain three conductors. Why are they used in electric field?
4) Neatly draw the diagram the D.O.L Starter
5) Neatly draw the diagram of the pressure type water heater
6) Explain simple circuit.
7) Explain a parallel circuit.
8) Explain types of energy meter.

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

1) Draw and Explain a combination of simple and parallel circuit.
2) Draw and explain combination of series and parallel circuit.
3) Draw and explain a two way wiring switch.
4) Draw and explain feed back monitoring system.
5) Draw and explain electrical safety equipments.

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TTS027-ELECTRICAL WIRING TECHNICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

TTS027-03 ELECTRICAL WIRING TECHNIQUES

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) Normal relative humidity is _____ to _____ % in the air

2) Wash basins normally fix at the height of _____ cm above from the GL

3) In a plumbing system _____ pipe is used to exhaust the foul gases

4) During the time of billing we add _____ % of the total cost as wastage

5) False ceiling in offices are most commonly made up of _____

6) _____ is the normal size of plywood available

7) _____ is a tube used to protect electrical wires

8) Comfort zone is the _____ range suitable to majority of the people _____

9) Types of current are _____ and _____

10) _____ electricity is used in cars and bike.

11) Electricity elements are _____, _____ and _____

12) _____ current is used in industries.

13) Low voltage is below _____ V

14) High voltage is above _____ V.

15) It should be a _____ to conduct electicity.

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

1) Voltage stabilizer
2) Series testlamp
3) D.L.P
4) Refrigerant control
5) Micro meter
6) Define a conductor.
7) What is non conductor?
8) Explain insulator.
9) What are types of current.
10) Which current is used in electricity.
11) What is a generator?
12) Define earthing.
13) Define stepper motor.
14) What are carbon brushes.
15) What is shaft.

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

1) How many types of condensors are there? Briefly explain their functions
2) Draw a diagram of electrical circuit of allwyn single door refrigerator
3) Draw a neat diagram of 'DOL' starter
4) Earthling and its importance
5) What are the commonly used protection devices in electrical wiring
6) Explain about tube light choke.
7) Draw and explain transformer.
8) Explain a sensor.

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

1) Draw a neat sketch of a commercial mechanical refrigeration cycle & Breifly explain its functions
2) Draw a neat sketch of evacaution using vacum pump and explain briefly
3) What do you understand by earthing? What is the importance of earthing a refrigerator or A/c? Briefly explain pipe earthing & draw the sketch
4) Draw and Explain a wiring for 2 rooms with earthing.
5) Draw and explain single phase electric motor.