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

EEE009-ELECTRICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

EEE009-01 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) One day _____ Old man came to my village.

2) You _____ Loved me.

3) ALU stand for _____

4) _____ is father of computer

5) www stand for _____

6) I have _____ car

7) The expanded form of MS Word is _____

8) Windows 98 allows to start an application in _____

9) _____ is the most widely used sprea sheet package

10) _____ are where the text is typed

11) _____ key is also used to select spelling command

12) Below the menu bar _____ bar appears

13) The extension of word file is _____

14) Mega Byte is _____ KB

15) Shortcut key for paste is _____

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

1) Define formation of noun words?
2) Define Gender?
3) What are the types of letters?
4) Define kinds of adjectives?
5) Adjective
6) Verb
7) Subordinate clauses
8) Write short notes on Super Computer
9) Explain Header and Footer
10) Computer
11) Subordinate clause
12) Write short notes on 'macro'
13) Explain Cut, Copy and 'Paste'
14) Define Internet?
15) What are Question tags?

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

1) Define usage of interjection
2) Explain Arithmetic logic unit
3) Classification of the computer
4) Explain any five options for the format 'menu'
5) Title bar
6) Print preview
7) What are the characteritics of computer?
8) What are the procedures to insert range of cells in excel

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

1) Write a letter to a sports company ordering some sports goods?
2) Briefly explain storage unit
3) Create a worksheet using fill command
4) Describe status bar
5) Explain in detail about articles?

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EEE009-ELECTRICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

EEE009-02 ELECTRICAL MAINTENANCE

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) Which one of the following gives DC supply?
2) A12 V lead acid battery consists of?
3) Select the equivalent value of power, 1 HP _____
4) Select the resistance value across both ends of a conductor with a cut _____
5) In pure capacitive circuit of A.C. supply current always: _____
6) Decrease in the ambient temperature will be _____
7) Identify and select the circuit, which is a path of zero/very low resistance compared to the normal circuit resistance _____
8) Select the switch type from the group which is most commonly used _____
9) Select the capacitor type which has the available capacitance range of 5PF-5000PF _____
10) Select the reason for LEDs are always cool when glowing even for long time _____
11) D.C.Generator can be used as _____
12) Large three phase induction motor starts on _____ connection and runs on connections.
13) A diode is used for converting _____
14) Unit of work is _____
15) For Charging Battery _____ Generator used.

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

1) Define the unit "volt"?
2) Define Ohm's law?
3) What is a multimeter?
4) What are insulator?
5) Give at least three reasons why copper is popularly used as conductor?
6) What may happen if the terminals of an electrical joint are loose?
7) Name the semi conductor materials generally used to make transistors?
8) What are the types of capacitors?
9) What is coil lead?
10) What is coil group?
11) What is skein winding?
12) Types of naming the transistor terminals?
13) Types of sinusoidal oscillations?
14) Types of generating station?
15) Write the poles?

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

1) Write the effects of electric current?
2) Write the Die-electric strength?
3) Write the generator?
4) Explain the physical effect?
5) Write the volt?
6) Write the Tin?
7) Write the Lead?
8) Define Basic Electrical Atoms.

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

1) Explain and draw the standard wire gauge?
2) Difference between electromagnet and permanent magnet?
3) Difference between lab winding and wave winding?
4) Write the concealed conduit wiring?
5) Explain and draw the tunnel lighting circuit?

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EEE009-ELECTRICIAN

ONE YEAR EXAMINATION NOVEMBER-2025

EEE009-03 WIRING SYSTEMS

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) The unit of capacitance is?

2) Which one of the following is a semi-conductors?

3) No current will flow in?

4) Identify a good conductor from the following _____

5) Select the switch type from the group which is most commonly used?

6) Select the transformer type is designed to operate over the frequency range of 20HZ-20KHZ _____

7) The power in a 3-phase delta connection is _____

8) The unit to measure the energy is : _____

9) Select the switch type from the group which is most commonly used _____

10) Select the cut in voltage of silicon diode _____

11) The specific gravity of a fully charged lead acid battery is _____

12) The generating station working on steam is called is _____

13) Motor used in a home hold fried is _____

14) Capacitors are connected to the A.C.line to improve _____

15) The Unit of Power _____

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

1) What is the difference between a series circuit and a parallel circuit?
2) What is a wattmeter? What is it used for?
3) What is a multimeter?
4) What are insulator?
5) What may happen if the terminals of an electrical joint are loose?
6) What is the material composition of a Timan's solder.
7) Name the instrument which is designed to measure extremely high values of resistance?
8) What is line current?
9) What is coil lead?
10) What is phase connection?
11) Types of filter circuit?
12) What is line triggering?
13) Types of guarding?
14) Define the nanded gate truth table.
15) Type of alternator.

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

1) What is In phase?
2) Write the phase angle?
3) What is inductance?
4) Write the auto transformer?
5) Types of single phase preventer?
6) Write the repulsion motor?
7) Write the single layer winding?
8) Write the lead swing?

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

1) Write the R, C & C parallel circuit?
2) Write the star connection?
3) Explain and draw the Open type slot?
4) Explain and draw the fluid friction damping?
5) Write the Substitution method?