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

EEE029-BSS DIPLOMA IN ELECTRICAL MOTOR REWINDING

ONE YEAR EXAMINATION NOVEMBER-2025

EEE029-01 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) They are ready _____ the work.

2) I _____ seen the Tajmahal.

3) He is _____ the room.

4) The cat is _____ the wall.

5) Babu is as _____ Ramu.

6) The letters in computer application is called _____

7) Joystick is a _____ device

8) Key board shortcut for undo command is _____

9) Computers can only understand _____ language

10) Who is invented slide rule _____

11) Rama was _____ ideal student

12) Full form of CPU is _____

13) Keyboard shortcut for UNDO command is _____

14) Esc used for _____

15) Mouse is an _____ device.

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

1) Define what is demonstrative pronoun?
2) Define the adjectives words?
3) What are the types of letters?
4) What is meant by intransitive verb?
5) Define punctuation?
6) Define collective noun?
7) Define vowels?
8) Digital computer
9) MS access
10) Storage device
11) Prepare a leave application to your head of department
12) Language
13) Active form
14) Conjunction
15) Write short notes on 'macro'

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

1) Explain few sentences using "shall, will"?
2) Explain few sentences using "behind, beneath"?
3) Explain few sentences using "may, among, before"?
4) Write any two types of job application?
5) Explain telephone ediquette?
6) Explain Arithmetic logic unit
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) Functions of Word Processing?
2) Write a mailmerge to invite your friend in your family function what are the procedure of the merge?.
3) Create a worksheet using fill command
4) Describe MS Windows
5) Write a letter to your friend inviting her to spend a few days with you during the summer vocation?

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

EEE029-BSS DIPLOMA IN ELECTRICAL MOTOR REWINDING

ONE YEAR EXAMINATION NOVEMBER-2025

EEE029-02 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) Generator works on the principle of _____

2) In a motor _____ energy is converted in to _____ energy

3) Total opposition offered in AC circuit, including Resistance , inductive reactance and capacitive reactance is called _____

4) Transformer works on the principle of _____

5) Rectifier is a device which covert AC in to _____

6) In Ohms law I = _____

7) The value of red color in color coding of resister is _____

8) _____ is used to measure current.

9) The unit of inductance is _____

10) Emf stands for _____

11) The unit of current is _____

12) In generator _____ energy is converted in to _____

13) _____ is used to measure voltage.

14) _____ is a device converting DC into AC

15) In transistor the arrow indicates _____ terminal

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

1) What are the properties of magnet?
2) Explain Faradays Laws of Electromagnetic Induction
3) What are the parts of Transistors?
4) What are the types of Rectifiers?
5) What is LED?
6) De fine specific resistance.
7) What is back emf?
8) Define power factor.
9) What is thermal efficiency?
10) Explain joules law.
11) The potential difference across a conductor is 10v and its resistance is 10000 ohms. Find the current passing through it.
12) What is Residual magnetism or retentively.
13) What are the Indications of a fully charged Lead Acid battery?
14) What are the types of semiconductor diodes?
15) What are the adv advantages of Full wave Bridge Rectifier?

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

1) What are the losses in Generator?
2) What are the advantages of AC over DC?
3) What are the types of DC generators?
4) What are the types of Transformers?
5) What are the indications of fully charged battery.
6) What are the checks to be carried on DG sets before starting?
7) Draw a NPN transistor and explain.
8) Draw a LC filter circuit and explain the operation.

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

1) a) Explain Kirchhoff's Law? b) What are the types of Resistors? c) What is the equivalent of 2, 3&8 ohms resistances connected in a) PARRALLEL b) SERIES
2) a) What are the active components in electronic circuit b) What are the types of resistors? c) Explain combination of capacitors d) What are the most common faults in capacitors? e) What are the advantages of full wave rectitifier?
3) Explain briefly a) SCR b) Oscillators c) Amplifiers d) Filter circuits e) Alternator
4) a) what are the advantages of paralleling of generator b) What are the types of DC motors, explain briefly c) What are the advantages of ICs?
5) a) An LCR series circuit has a resistance of 300ohms; Inductive reactance is 1000ohms and capacitive reactance of 600 ohms and is connected across 200 volt 50Hz AC supply. Calculate the current and power factor of the circuit.