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

AME003-FOUR WHEELER MECHANIC (LMV)

ONE YEAR EXAMINATION NOVEMBER-2025

AME003-01 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) It is good _____ health.

4) He travelled _____ Ticket.

5) My school is _____ the church.

6) It is believed that _____ Apple _____ day keeps the doctor away.

7) ALU stand for _____

8) I read _____ Indian express

9) _____ is called father of computer

10) RAM stands for _____

11) In MS Word print is in _____ menu

12) CPU stands for _____

13) Ctrl + S is the short cut for _____

14) _____ is used for storing temporarily deleted files.

15) Vowels are _____

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

1) Define punctuation?
2) Define collective noun?
3) Define vowels?
4) What is meant by neuter Gender?
5) CPU
6) Memory unit
7) What is input and output unit
8) MS access
9) What is hardware & Software
10) Chart elements
11) Pattern
12) Explain any five options for the format 'menu'
13) Define Control unit?
14) Define Adverbs?
15) Explain Cut, Copy, Paste

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

1) Explain few sentences using "across, at"?
2) Define common conjunctions
3) Define phrase
4) Digital computer
5) Symbols and pictures
6) Hybrid computer
7) Importance of information technology
8) Define HTML

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) Describe MS Windows
3) Prepare an essay on women empowerment
4) Write briefly about generations of computer?
5) Write briefly about MS Excel?

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

AME003-FOUR WHEELER MECHANIC (LMV)

ONE YEAR EXAMINATION NOVEMBER-2025

AME003-02 FOUR WHEELER MECHANISM

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 purpose of piston rings is to control
2) The engine vale closed by
3) The sequence of coolant circulation is
4) The cooling temperature should not be below at
5) The most important characteristics of a lubricating oil is its
6) From the oil pump the oil goes directly to
7) The drive for the mechanical fuel pump is taken from the
8) The throttle valve controls the supply of
9) When the electronic control unit (ECU) has failed the normal procedure is to
10) Diesel engine as compared to petrol engine required
11) _____ is the most popular firing order in four stroke inline ic engine
12) When the chock is applied the fuel come out from the _____
13) The output of on ignition coil is _____ V
14) The engine minimum heat maintained by _____ valve
15) _____ is type nozzle is used in DI engine

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

1) TDC, BDC
2) Vibration damper
3) Lubrication
4) Petrol injection system
5) Distributor
6) What is the purpose of valve mechanism
7) What is meant by exhaust muffler
8) Why we need cooling system
9) Write the types of lubrication system in automobile
10) Short note on fuel feed pump
11) What is meant by combustion chamber
12) What is magnet? Write there types

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

1) How do you rectify the starting trouble in engine
2) Draw and explain working principle of impeller thermosyphon system
3) Why does the pressure relief valve used in oil pump draw and explain it
4) Why carburetor provided on a petrol engine? Sketch the any one type carburetor
5) Explain with simple layout of MPFI system
6) Explain the working principle four stroke diesel engine with neat sketch
7) What is the different between diesel and engines

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

1) Draw and explain the side and over head valve mechanism
2) What is the purpose of lubrication? Draw and explain the pressure type lubrication
3) Draw and explain the carter type carburetor
4) Draw sketches showing the constructional features of difference type of nozzles used in automotive diesel engines, explain the function of each.

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

AME003-FOUR WHEELER MECHANIC (LMV)

ONE YEAR EXAMINATION NOVEMBER-2025

AME003-03 AUTOMOBILE ELECTRONICS(LMV)

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 purpose of tire rotation on Automobile is to

2) Another name of torsion bar is

3) The most popular manual gear for cars today is

4) Brake lining consist of mainly of

5) The hand brake usually operate on

6) The clutch is located between the transmission and the

7) Spur gear used in

8) Which is used for four wheel drive

9) The crown wheel and pinion is called

10) The function of universal joint is to allow the propeller shaft to

11) The first spring leaf is called _____

12) The brake lining mounted on _____

13) The release bearing which are usually of two type i.e _____ and _____

14) When the cutch engaged the power flows from _____ to _____

15) _____ avoid the necessity of double de clutching

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

1) Stub axle
2) Stop watch test
3) Clutch
4) Gear selector mechanism
5) Propeller shaft
6) What are the main components of an automobile
7) What are the functions of automobile wheel
8) Write shirt notes on helper spring
9) What's meant by vehicle wonder
10) Why the free ply needed in steering wheel
11) What are the requirements of brake
12) Why slip joint used in propeller shaft

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

1) What are causes for type wear
2) What is the purpose of independent suspension? Explain with neat sketch of the front independent suspension system
3) Explain the terms of Camber, caster, king pin inclination and to- in. What are the effect of each steering characteristics of a vehicle
4) Draw and explain the working principle of tandem master cylinder?
5) What are the causes and remedies for following troubles i. Excessive pedal pressure required ii. Vehicle skid while braking iii. Vehicle pull to one side
6) Draw and explain the single plate diaphragm clutch
7) State the reason for noisy gear box

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

1) Draw and explain the construction of integral type power steering
2) Explain clearly working of hydraulic brake system with sketch
3) Draw a simple diagram of synchromesh gear box. Explain its function and advantage
4) What are the causes and remedies for differential and rear axle?