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

AME016-BSS DIPLOMA IN ADVANCED DIESEL ENGINE TECHNOLOGY

ONE YEAR EXAMINATION NOVEMBER-2025

AME016-01 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) Babu is as _____ Ramu.

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

3) Write to the abbreviation ICS.

4) website is group of _____

5) I read _____ Indian express

6) Word pad is an _____

7) _____ is called father of computer

8) _____ is a folder, stores the deleted files

9) Ctrl+C is the short cut for _____

10) _____ was the first web browser

11) Shortcut Key for Cut is _____

12) Keyboard shortcut for UNDO command is _____

13) CPU stands for _____

14) He is running _____ the road.

15) Have mercy _____ the poor

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

1) Define what are exclamatory words?
2) Define active and passive voice?
3) Define abstract noun?
4) Define collective noun?
5) Define kinds of countable Nouns?
6) What are the types of Gender?
7) What is meant by neuter Gender?
8) What is meant by weak verbs?
9) Subordinate clauses
10) E-mail use?
11) Explain Cut, Copy and 'Paste'
12) Explain Header and Footer
13) What is colour?
14) Define keyboard?
15) Desk top

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

1) Explain informal letter?
2) Define what is meant by omission of article?
3) Explain analog and hybrid computer
4) Importance of information technology
5) Symbols and pictures
6) Curve Tool
7) Techniques for moving an injured (or) ill person.
8) Explain table menu in MS Excel?

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

1) Explain briefly the job descriptions
2) Explain how you write a resignation letter
3) What are the advantages of using computer in the Modern Field.
4) Describe the relevance of computerization in hospital field
5) Describe status bar

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ONE YEAR EXAMINATION NOVEMBER-2025

AME016-02 OBSERVING SAFETY & PRECAUTIONS

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) _____ is used to control engine speed.

2) _____ measures speed of a car

3) Tyres are of two types namely _____ And _____

4) Brake lining are of two types namely _____ and _____

5) _____ starts a engine

6) Engine speed is measured in terms of _____

7) Diesel is igniteed by _____

8) Petrol is ignited by _____

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

1) Define a pump.
2) What is piston?
3) Explain a radiator.
4) What are types piston and cylinder.
5) Which is connecting rod.
6) What is a crown assembly?
7) Define disc.
8) Define a valve
9) What is a fuel pump.
10) What is carburetor.

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

1) Explain a mufler.
2) Explain a air cooler.
3) Draw a connecting rod.
4) Explain about AC and DC current
5) Explain about exhaust recycle system.
6) Draw and explain a radiator.
7) Explain types engines.
8) Explain a turbo charger.

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

1) Draw and Explain about a starter motor.
2) Draw and explain various parts of a engine.
3) Draw and explain crown mechanism
4) Draw and explain drive system of a car.
5) Draw and explain steps to be followed during oil change

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AME016-BSS DIPLOMA IN ADVANCED DIESEL ENGINE TECHNOLOGY

ONE YEAR EXAMINATION NOVEMBER-2025

AME016-03 PREPARING FOR ENGINE DISMANTLING

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) _____ is a fuel of diesel engine.

2) _____ is grade of engine oil

3) Cooling of engines are of two types namely _____ and _____

4) Chemical name of coolant is _____

5) _____ protect nut from loosening

6) _____ is used to fasten.

7) Engine performance can be increased by _____

8) Diesel is filtered by _____

9) Petrol is injected by _____

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

1) Define front wheel drive.
2) What is brake?
3) Explain gudgent pin.
4) What are types of brakes.
5) Which filters the inlet air.
6) What is a sensor?
7) Define pressure gauge.
8) Define a guide.
9) What is a temperature gauge.
10) What is speedometer.

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

1) Explain a disc brake.
2) Explain a liner and piston.
3) Draw a hydraulic brake assembly
4) Explain about starter motor
5) Explain about exhaust system.
6) Draw and explain air brake assembly.
7) Explain about a battery and a dynamo.
8) Explain about wheel assembly.

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

1) Draw and Explain about a steering box.
2) Draw and explain gear box.
3) Draw and explain universal joint.
4) Draw and explain fuel injection system.
5) Draw and explain timing system in a engine.

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ONE YEAR EXAMINATION NOVEMBER-2025

AME016-04 ADVANCED DIESEL ENGINE TECHNOLOGY

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) _____ is the time period of fitness test for domestic vehicles.
2) _____ is the time period of fitness test for commercial vehicles
3) _____ belt is provided in vehicles for safety of passengers.
4) _____ provides space for engine.
5) _____ provides space for luggage
6) _____ filters oil before sending to the pump.
7) _____ filters diesel before sending to fuel pump.
8) Engine belt should normally be replaced at _____ kms
9) Lubricating oil is normally replaced at _____ kms
10) Gear oil is replaced at _____ kms

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

1) Define a shift rod
2) What is hand brake?
3) Explain clutch.
4) What is a starter motor.
5) Which is a glove box.
6) What is a dash board?
7) Define upholster.
8) Define a bootspace.
9) What is a tyre clearnce.
10) What is joint.

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

1) Explain balancing of wheel.
2) Explain a steering.
3) Draw a nuckle assembly
4) Explain about ball joint.
5) Explain about universal joint.
6) Draw and explain about grease pin assembly.
7) Explain about a tail lights.
8) Explain about fog lamp and rear fog clearance assembly.

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

1) What is wheel alignment.
2) Draw and explain crown assembly.
3) Draw and explain clutch assembly.
4) Draw and explain piston.
5) Draw and explain exhaust system in a engine.