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

CAE003-BSS DIPLOMA IN CIVIL DRAUGHTS MAN

ONE YEAR EXAMINATION NOVEMBER-2025

CAE003-01 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) Pronouns are used instead of _____

2) _____ Lotus is lovely flowers

3) It is good _____ health.

4) She knows English _____

5) www stand for _____

6) Windows 98 is a _____ loading system

7) Hybrid computer is used for _____

8) _____ is called father of computer

9) Paint has a _____ box

10) Who is invented slide rule _____

11) The servant _____ (wait) on me all day.

12) The bird _____ made his nest by itself

13) Japan is _____ Asia country

14) Rita is older _____ Sita.

15) That is _____ Parrot.

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

1) Define kinds of noun?
2) Define types of sentences?
3) Define some relative adverbs?
4) Define kinds of verbs?
5) Define abstract noun?
6) Define material noun?
7) Digital computer
8) computer
9) Explain Header and Footer
10) Prepare a leave application to your head of department
11) Language
12) Active form
13) Insert column and insert chart
14) MS Access
15) Desk top

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

1) Define kinds of adjectives
2) Define kinds of participle?
3) Explain RAM and ROM
4) Explain RAM and ROM
5) Explain types of computer
6) Time sharing
7) Importance of information technology
8) Symbols and pictures

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

1) Write a letter to your father asking permission join the N.C.C?
2) Briefly explain storage unit
3) Introduction to Pagemaker? Explain
4) Describe the relevance of computerization in hospital field
5) What is Internet what are its advantages

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CAE003-BSS DIPLOMA IN CIVIL DRAUGHTS MAN

ONE YEAR EXAMINATION NOVEMBER-2025

CAE003-02 FUNDAMENTALS OF CIVIL ENGINEERING

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) What are the constituent materials of bricks?

2) Define Surveying.

3) What are the uses of stones in building construction?

4) Define Leveling.

5) Define Magnetic Bearing:

6) State any two types of cement and concrete.

7) Mention the Classification of surveying:

8) Define Plane Surveying

9) What is meant byObjectives of Surveying?

10) What are the four distinct operations of brick manufacturing?

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

1) What is cement concrete.
2) List the uses of cement.`
3) Statethe various types of cement.
4) Statethe various types of steel.
5) Define Objectives of foundation:
6) Which types of Failures occur in foundation?
7) List out the few types of specialCement concrete.
8) How to select the site for foundation?
9) What are the diferent types ofdam?
10) What are the diferent types of bridges?

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

1) Describe briefly the various methods of concrete curing.
2) In case if concrete box girder bridges how is the number of cells determined?
3) What reinforcements are used in the process of prestressing?
4) What do you understand by "preset" during the installation process of bridge bearings?
5) What are the different types of steel? Explain the properties and uses?
6) What are the different types of cement? Explain the properties and uses?
7) What are the requirements of good building stone & state important varieties of Building stones
8) Why are steel plates inserted inside bearings in elastomeric bearings?

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

1) What are the steps involved in the concreting process, explain?
2) Write short notes on the following : (i) Raft or mat foundation (ii) Marble flooring (iii) Purpose of dams
3) What are the engineering properties of good building stones?
4) State the composition of brick earth to make good quality bricks?
5) Expalain the Diesel power plant.

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CAE003-BSS DIPLOMA IN CIVIL DRAUGHTS MAN

ONE YEAR EXAMINATION NOVEMBER-2025

CAE003-03 ENGINEERING DRAWING & ESTIMATING

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 expected out turn of 2.5 cm cement concrete floor per manson per day _____

2) While preparing a detailed estimate _____

3) The expected out turn of cement concrete 1 : 2 : 4 per mason per day is _____

4) The height of the sink of wash basin above floor level is kept _____

5) Brick walls are measured in sq. m if the thickness of the wall is _____

6) The brick work is measured in sq metre, in case of _____

7) Pick up the item of work not included in the plinth area estimate _____

8) As per Indian Standard Specifications, the peak discharge for domestic purposes per capita per minute, is taken _____

9) The order of booking dimensions is _____

10) The correct prismoidal formula for volume is _____

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

1) Where and why a cutting plane is drawn in a drawing?
2) What are the different methods of dimensioning?
3) What is the RepresentativeF raction (R.F.) or ScaleF actor (S.F.)?
4) Name the principal planes of projections.
5) What is a sectional view? Why sectional views are used in drawing?
6) What do you understand by V.T. and H.T. of section plane?
7) When the auxiliary planes are used?
8) What are the apparent angles of inclinations?
9) Draw a symbol of third angle projections.
10) What is the difference between a quadrilateral and a polygon?

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

1) How many minimum dimensions solid planes have?
2) Draw a free hand sketch of a stool which you have seen in your drawing room?
3) Write in double stroke vertical and inclined style, the following statements
4) What do you understand by V.T and H.T of section plane?
5) What is the trace of a straight line?
6) Give the difference between reducing and increasing scale.
7) What do you understand by thickness of lines and various line groups?
8) What is the principle of development of surfaces?

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

1) Section of solids and Development of surfaces of sectioned solid
2) What is difference between prism and pyramid?
3) What are the different methods of dimensioning?
4) What are the standard sizes of drawing sheets accbrding to I.S.I and which is suitable for drawing work?
5) Write freehand the following sentence using inclined capital letters of 8 mm size in single stoke using 7.5 ratio