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

TTS001-BSS DIPLOMA IN GENERAL MACHINIST

ONE YEAR EXAMINATION NOVEMBER-2025

TTS001-01 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) Raju _____ the tallest in our class

2) My school is _____ the church.

3) They are playing _____ the tree.

4) The officer is bold _____ action.

5) _____ You will pass.

6) It is cold today _____

7) Write to the abbreviation PIN.

8) 'WH' type word _____

9) Paint has a _____ box

10) The World first Programmer is _____

11) DOS Means _____

12) Key board shortcut for undo command is _____

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

14) Vowels are _____

15) _____ and _____ sauces used in pasta

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

1) What is conjunction?
2) Define punctuation?
3) Define countable nouns?
4) Hardware
5) CPU
6) Subordinate clauses
7) Degrees of comparison
8) Attrib
9) Noun phrase
10) Clause
11) Walking areas of computer?
12) What is URL?
13) Define Vowel
14) Define keyboard?
15) Informal letter

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

1) Explain 'WH' type question words?
2) Explain few sentences using "do/does"?
3) Symbols and pictures
4) Calculator
5) Edit
6) Print preview
7) Explain the Fourth and Fifth generation of computer?
8) Define Gender and Types

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) Explain briefly the job descriptions
3) Esplain details of Accessories in windows?
4) Create a worksheet using fill command
5) Write a letter to your friend inviting her to spend a few days with you during the summer vocation?

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TTS001-02 SHOP 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) Drilling is performed by _____

2) Grinding is performed by _____

3) Gears are manufactured by _____

4) Expanding the dia of a hole is called _____

5) Joining of two metals by fusion is _____

6) Electrical wires are joined by _____

7) Cutting tools are of two types namely _____ and _____

8) Machining are of two types namely _____ and _____

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

1) Define drill bit.
2) What is a chip?
3) Explain coolant.
4) Define cutting tool.
5) Define die casting.
6) What is hobbing?
7) Explain steps to be followed after machining.
8) Define machining.
9) What are the steps to be followed to be safe during machining.
10) What is a fire extinguisher.

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

1) Explain lathe operations.
2) Draw a vice.
3) Draw a bench drilling machine.
4) Explain drilling operation
5) Explain boring operation.
6) Draw and explain surface grinding
7) Explain threading operation.
8) Explain gas welding.

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

1) Explain a digital screw gauge.
2) Draw and explain a worm and pinion gear.
3) Draw and explain various types of gauges.
4) Draw and explain gear hobbing machine.
5) Draw and explain grinding machine.

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TTS001-BSS DIPLOMA IN GENERAL MACHINIST

ONE YEAR EXAMINATION NOVEMBER-2025

TTS001-03 MACHINE TOOLS AND OTHER MAINTENANCE - I

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) 1cm = _____

2) 1m = _____

3) 1km = _____

4) 1Kg = _____

5) 10Cm = _____

6) Coolant helps in _____ and _____ during machining.

7) Friction means _____

8) _____ is used to measure length.

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

1) What are steps to be done after machining.
2) What is a square thread?
3) Explain knurling.
4) Define chamfering.
5) What is an coolant?
6) Define cutting tool.
7) Define parting.
8) What is calibration.
9) What is priming.

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

1) Explain hobbing.
2) Draw a vice.
3) Draw and explain a hand drilling machine.
4) Explain a Screw gauge
5) Explain Go and no Go gauges.
6) Draw and explain height gauge.
7) Explain types of milling.
8) Explain truing of workpiece.

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

1) Explain a CNC lathe.
2) Draw and explain vernier caliper.
3) Draw and explain Pallet drilling machine.
4) Draw and explain Any six tools.
5) Explain safety to be followed in an Industry.

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TTS001-BSS DIPLOMA IN GENERAL MACHINIST

ONE YEAR EXAMINATION NOVEMBER-2025

TTS001-04 MACHINE TOOLS AND OTHER MAINTENANCE - II

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) Oil is applied to finished product to avoid _____

2) Technical details explains _____

3) Clearance means _____

4) Tolerance means _____

5) Grease is use to reduce _____

6) Distance between two threads is _____

7) 1cm = _____

8) 1m = _____

9) 1km = _____

10) 1Kg = _____

11) 10Cm = _____

12) 1Tonne = _____

13) Coolant helps in _____ and _____ during machining.

14) Friction means _____

15) _____ is used to measure length.

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

1) Define casting.
2) What is an alloy?
3) Define batch number.
4) Define quality check.
5) What are the steps to be followed machining.
6) What is technical specification.
7) What are steps to be done after machining.
8) What is a square thread?
9) Explain knurling.
10) Define chamfering.
11) What is an coolant?
12) Define cutting tool.
13) Define parting.
14) What is calibration.
15) What is priming.

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

1) Explain any two tools.
2) Draw a vice.
3) Draw a bench drilling machine.
4) Explain a vernier caliper
5) Explain types of thread with diagram.
6) Draw and explain surface table.
7) Explain types of turning.
8) Explain chamfering and filleting.

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

1) Explain a lathe.
2) Draw and explain milling machine.
3) Draw and explain radial drilling machine.
4) Draw and explain gear hobbing machine.
5) Draw and explain safety equipments.