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

CCS004-BSS DIPLOMA IN COMPUTER APPLICATIONS

SIX MONTHS EXAMINATION NOVEMBER-2025

CCS004-01 COMMUNICATIVE ENGLISH & 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) A cat is _____ the table.

2) Call out _____

3) www stand for _____

4) I waited for _____ hours

5) Paint has a _____ box

6) Mouse is an _____ device

7) The letters in computer application is called _____

8) RAM stands for _____

9) _____ is a copy of the files on the computer typically it is stored o harddisk.(backup)

10) You can enlarge a document using _____

11) Monitor of a computer is a _____ device

12) _____ key is also used to select spelling command

13) In Ms Excel individual file is known as _____

14) Ctrl + S is the short cut for _____

15) Esc used for _____

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

1) Define the adjectives words?
2) What is meant by transitive verb?
3) Define what are exclamatory words?
4) Define adjectives of number?
5) What is meant by neuter Gender?
6) Key board
7) What is Internet
8) Explain Header and Footer
9) Enter
10) Chart elements
11) View
12) Briefly explain the table menu in MS Excel
13) Walking areas of computer?
14) Write about characteritics of computer?
15) Define shortcut keys for UNDO and REDO?

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

1) Explain few sentences using "may, among, before"?
2) Write a letter to the inspector of police about the theft of your bicycle
3) Explain RAM and ROM
4) Write short notes on 'macro'
5) Memory
6) Shutdown the computer
7) What are the procedures of merging cells in excel
8) Explain in detail about Degrees of comparison?

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

1) What are the advantages of using computer in the Modern Field.
2) Explain Internet, Intranet, search engine and Website?
3) Functions of Word Processing?
4) Explain 'Mail Merge'
5) Explain about mail merge

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CCS004-BSS DIPLOMA IN COMPUTER APPLICATIONS

SIX MONTHS EXAMINATION NOVEMBER-2025

CCS004-02 OPERATING SYSTEM CONCEPT USING WINDOWS AND LINUX

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) A _____ is a flash memory storage device that plugins into a USB port.

2) Which operating system doesn't support networking between computers?

3) The number of character contained in primary name (DOS)?q

4) A user-interface that is easy to use is considered to be _____

5) A _____ is a named location on a disk where files are stored

6) The operating system creates _____ from the physical computer

7) The operating system creates _____ from the physical computer

8) Which operating system can you give smallest file name?

9) Linux is a(n) _____ operating system

10) What is the function of radio button?

11) _____ is the program run on a computer when the computer boots up.

12) The operating system is the most common type of _____ Software

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

1) What is CLI?
2) The ..contains commands associated with the My Computer window.
3) Which is the layer of a computer system between the hardware and the user program?
4) What are the basic components of Linux?
5) Does the Ctrl+Alt+Del key combination work on Linux?
6) How do you change permissions under Linux?
7) What is the basic difference between BASH and DOS?
8) What is the importance of the GNU project?

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

1) List the four computer system vulnerabilities.
2) Discuss the advantages and disadvantages o Bus and Mesh topologies.
3) What is the need of a firewall? What are its limitation?
4) Discuss file management subsystems of Linux.
5) What are the differences between IP class addresses: A, B, C, D, E?
6) What is the basic philosophy of X-Windows? How is ii different from the rest of GUI?
7) Write a shell script (in Linux) to calculate a factorial of any given number.
8) Define the essential difference between the following: (a) Spooling (b) Buffering

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

1) What are multiprocessor systems? Give advantages.
2) Briefly describe all the steps in installing the Linux operating system.
3) What are the goals of computer security? Discuss the main issues in Windows security management.
4) What are the 3 main purposes of an Operating System?
5) Explain the concept of virtual machines.

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CCS004-BSS DIPLOMA IN COMPUTER APPLICATIONS

SIX MONTHS EXAMINATION NOVEMBER-2025

CCS004-03 PROGRAMMING IN C & C++

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 process of allocating memory at compile time is called _____

2) _____ function is used to find the absolute value of a variable.

3) A function can be invoked by _____

4) C language was implemented in the year _____

5) C language was implemented at the _____ laboratories.

6) _____ is an example of linear data structure

7) The operator "++" is known as _____ operator.

8) In _____ all data elements are stored in the same memory location.

9) A child class is said to be _____ from the base class.

10) A pre-processor always have _____ symbol

11) Maximum number of arguments that can be passed to destructor function is _____

12) The output of the code is _____ int f = 1, i = 2; while (++i<5) f* = i; cout<<f;

13) _____ function takes objects as arguments

14) abs () is included in the _____ header file.

15) A pre-processor always have _____ symbol.

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

1) What is inheritance in C++ and name the different types of inheritance?
2) What are the different features of c++?
3) Explain constructor?
4) What is implicit and explicit type conversion?
5) What is inheritance in C++ and name the different types of inheritance?
6) What is friend function?
7) Explain structure.
8) Explain 4 characteristics of c language.
9) What is function overloading?
10) What is implicit and explicit type conversion?

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

1) Explain data types available in C.
2) Explain logical and relational operators in C.
3) What is the difference between structure and union?
4) Write a program to generate the Fibonacci series.
5) Write a program to check whether a number is even or odd.
6) Write a program to find the sum of digits of a number.
7) What is a function? Give an example.
8) Write a program to reverse a string.

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

1) Explain the file operations in C++.
2) What is inheritance? Explain the various types of inheritance with syntax.
3) Write notes on different file Functions in C
4) What is OOPS? Explain the basic concepts of OOPs
5) Write a C++ program to find the product of two matrices.