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

SS004-BSS DIPLOMA IN SHIP SAFETY MANAGEMENT

ONE YEAR EXAMINATION NOVEMBER-2025

SS004-01 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) The tiger _____ A deer

2) Suresh is sitting _____ Ram and Gopal.

3) He is _____ the room.

4) Write to the abbreviation PIN.

5) Let the door _____ opened.

6) website is group of _____

7) The extension of word file is _____

8) Computer is an electronic _____

9) _____ are where the text is typed

10) _____ key is also used to select spelling command

11) Print preview is visible in _____ menu

12) In MS Word print is in _____ menu

13) Rama was _____ ideal student

14) Ctrl + S is the short cut for _____

15) Vowels are _____

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

1) Define kinds of noun?
2) What is meant by verb?
3) Define adjectives of number?
4) Define abstract noun?
5) Define proper noun?
6) Define kinds of countable Nouns?
7) What is meant by Feminine Gender?
8) What is meant by strong verbs?
9) Verb
10) Write short notes on 'macro'
11) Computer
12) View
13) Conjunction
14) Write the usage of Transformation?
15) Define Verb

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

1) Explain RAM and ROM
2) Explain Arithmetic logic unit
3) Explain types of computer
4) Title bar
5) Explain any five options for the format 'menu'
6) Explain 'find', 'replace' and 'go to'.
7) Curve Tool
8) Define A, B, C in CPR?

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

1) Explain MS Excel
2) Introduction to Pagemaker? Explain
3) Describe the relevance of computerization in hospital field
4) Explain the keyboard
5) Draw the block diagram of basic computer organisation and explain?

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SS004-BSS DIPLOMA IN SHIP SAFETY MANAGEMENT

ONE YEAR EXAMINATION NOVEMBER-2025

SS004-02 SHIPPING SCIENCE

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 is the insert Gas system?
2) What is pour Point?
3) What is the water sprinkler system?
4) Write a note at Threshold limit?
5) Write the types of Fire?
6) What is the element of testing materials?
7) Write the difference between shear stress and compressive stress?
8) Define shear stress.
9) What is the tensile stress?
10) What are Life line signals?

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

1) Name at least 3 parts of an air compressor.
2) List six ways a person can get injured on ship.
3) Write any four parts of a ship.
4) Write the full form of following abbreviations. 1) ISM 2) PSC
5) What is an "EPIRB"?
6) List any 6 sources of pollution from ship.
7) State 3 types of valves in the engine room.
8) State any 3 components of steering gear.
9) Define the term Machine.
10) What is lagging?

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

1) Explain the different stowage factors of cargoes.
2) Explain the steps involved in the voyage estimating?
3) Explain the merits of perul cargoes and carriers?
4) Explain difference between Ship and Cargoes?
5) What are the various costs involved in the Voyage?
6) Explain the process of Ship Registrations
7) Explain the key functions in Ship Management?
8) Point out the main rotes of crude oil?

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

1) Why we required pilot on board ship?
2) Describe the Twilight?
3) What is Ex-Meridian Slights?
4) What is Planetary Motion? Define kepler's First and Second law?
5) What is the procedure for crew management on board ships?

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SS004-BSS DIPLOMA IN SHIP SAFETY MANAGEMENT

ONE YEAR EXAMINATION NOVEMBER-2025

SS004-03 SHIP SAFETY MANAGEMENT

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) Full form of TPN and CABA?
2) Which color co2 Extinguisher and foam type Extinguisher?
3) What is the Casualty?
4) What is the Aim of First Aid?
5) Write two types of Internal Communication?
6) Write the two sign and symptoms of food poisoning?
7) What is ABANDON ship signal?
8) Give the details of life buoy?
9) What is the general emergency alarm signal?
10) What Action have beeb carried out when Gyro/compass failure?

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

1) Define the Autometion?
2) What is viscosity?
3) What is hand cranking?
4) Write the name of safety items in heat exchangers?
5) What is the use of fuel injector?
6) Define the types of Scavenging?
7) What is the difference between compression ignition type and spark ignition type engine?
8) What is lubricanting oil sampling?
9) What is the fuel oil system?
10) What is Error signal?

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

1) Write the difference between External and Internal Bleeding?
2) What are the most common causes of fire on board ships?
3) What is maintenance and servicing statuary for life saving appliances?
4) how many type of shock, Explain the two types of shocks?
5) Give the details of life jacket?
6) Write the 5 types of emergency which occur on ships?
7) What are the qualities of first aider?
8) What are the marking on the container of an life raft?

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

1) Define the THREE security levels identified under the International Ship and Port Facility (ISPS) Code.
2) List and briefly explain any FIVE duties of an SSO (Ship Security Officer).
3) State any FIVE activities on a ship that should be monitored by the Designated Person.
4) Describe the various type of portable fire Extinguisher and the class of fire that they used for?
5) What is the difference between free-fall life boat and totally enclosed life boat?