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

FSS011-CERTIFICATE IN FIRE & SAFETY ENGINEERING TECHNIQUES

SIX MONTHS EXAMINATION NOVEMBER-2025

FSS011-01 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) He _____ well in the stage.

3) He is running _____ the road.

4) Get up _____

5) www stand for _____

6) I read _____ Indian express

7) I have _____ car

8) Word pad is an _____

9) The repair and maintenance of computer devices is called _____

10) _____ is example for network operating system.(windows nt)

11) The short cut for Italic is _____

12) I am _____ (eat) food.

13) Mouse is an _____ device.

14) This is _____ food

15) Have mercy _____ the poor

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

1) Define interjection?
2) What is meant by adverb?
3) Define kinds of adjectives?
4) Font
5) Digital computer
6) What is input and output unit
7) What is Internet
8) MS access
9) What are the types of data
10) Explain Cut, Copy and 'Paste'
11) Conjunction
12) Insert column and insert chart
13) Briefly explain the table menu in MS Excel
14) Explain Cut, Copy and 'Paste'
15) Explain Header and Footer

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

1) Define kinds of adjectives
2) Write a letter to the inspector of police about the theft of your bicycle
3) Write a letter to a book seller ordering some prize books?
4) Key board
5) Explain Header and Footer
6) Use of 'has' and 'have' in sentences
7) Windows explorer
8) Write about simple and compound sentences?

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

1) Explain how you write a resignation letter
2) Write all Internal Commands in dos and explain it.
3) What are the advantages available in MS-WORD?
4) Describe MS Windows
5) Define Control Panel?

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FSS011-CERTIFICATE IN FIRE & SAFETY ENGINEERING TECHNIQUES

SIX MONTHS EXAMINATION NOVEMBER-2025

FSS011-02 BASIC SAFETY 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) _____ can be defined as a harmful condition sustained by the body as the result of an accident.
2) _____ is an unplanned or unexpected event which causes or is likely to cause injury to a person, damage to property or environment.
3) _____ prevent serious accidents that cause loss of fingers, hands and other parts of the body.
4) What is meant by thermal cutting equipment
5) A disaster is a result from the combination of _____, _____ and _____
6) WHMIS workplace labels are required when _____
7) Which of the following best describes how propane should be handled?
8) A vehicle placarded for Division 1.1, 1.2, or 1.3 explosives _____
9) Some hazardous materials may not be loaded together with other hazardous materials. The prohibited combinations are listed in the _____
10) Entries in the hazardous materials table are shown _____
11) When transporting explosives, flammable liquid or flammable gas you may not _____
12) _____ are born not made.
13) CV stands for _____
14) The first stage of Interview is _____
15) Leadership is a quality which only a few others possess but not themselves _____

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

1) Define accident?
2) What are the causes of accident theory?
3) NEBOSH stands for
4) The color code for CO2 Extinguisher in other countries?
5) Define Injury?
6) Explain Accident?
7) Write the different levels of disasters?
8) List out any two roles of media during disaster?
9) What is a cyclone shelter? When and where it is provided? What are its requirements?
10) Can you predict earthquake?
11) What is disaster response?
12) What id drought?
13) What is natural gas?
14) What is a pesticide?
15) Explain Requirements Relating to Chains?

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

1) Explain WIC?
2) Explain on-site emergency planning?
3) List out some of the emergency objectives?
4) Explain the requirements of water tender
5) Describe different fire fighting arrangements to be provided in an Industry.
6) What precautionary measures have to be taken to avoid accidents to labourers in the Industry in a workshop / during handling of dangerous Chemicals / during construction of buildings / during the building maintenance works.
7) What action you will take when your employees could not reach the factory site because of continuous strike by Public Transport workers?
8) Describe the importance of insurance to men and machinery of an Industry dealing with dangerous jobs.

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

1) Give a brief explanation on safety Rules for mobile crane Drivers?
2) Explain safety policy and safety terminology
3) Explain Management of Natural Disaster.
4) Explain causative agent for Typhoid and How to prevent Typhoid fever.
5) How cost effectiveness of risk assessment is identified?

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FSS011-CERTIFICATE IN FIRE & SAFETY ENGINEERING TECHNIQUES

SIX MONTHS EXAMINATION NOVEMBER-2025

FSS011-04 OCCUPATIONAL HEALTH AND CONTROL

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) NFPA stands for _____

2) _____ hazards due to entering into pit, well etc.

3) Write the two types of plastic

4) The term environmental hazard can also refer to _____ hazard

5) which of Following is Methods of Ergonomics? _____

6) Heat production is increased by combination of _____ in body.

7) Whenever there is no hot work, which permit is issued? _____

8) Resource lists comprise of _____

9) Air supply rate for the work place should be, per occupant _____

10) An acceptable temp range should be when strenuous work is taking place _____

11) As per Indian standard IS : 3646, the interior of illumination level for fine work is _____

12) Which of the following statements is not correct? _____

13) Fall protection shall be used at unprotected elevation meters and above _____

14) TVL stands for _____

15) _____ has to play an important role by suggeting safe machine guarding.

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

1) Mention the three groups of chemical pollutant with example?
2) What are the types of world wide pollutions?
3) What is a Secondary pollution?
4) Define Nuisance effects?
5) What are the biological pollutants?
6) What do you mean by effective dosage?
7) Define Industrial health?
8) Define Epidemiology?
9) List out the classification of Guards?
10) Define Electromagnetic sensor?
11) What is mechanical handling?
12) Define automatic guard?
13) What is the use of optical sensor?
14) What are included in hazard analysis?
15) Diseases of health hazards caused by physical conditions may be broadly classed Follows what?

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

1) What is noise and explain the health effects of noise?
2) Mention the factor of off the Job types of accident?
3) Explain the classification of fire with their extinguishing agents
4) Mention the application of ergonomics practice?
5) What are the simple steps for safe and productive workplace?
6) Why we need the ventilation and temperature control?
7) What are the factors affecting heat-balance of the body?
8) What ate all the steps come under vulnerability analysis?

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

1) Explain about the methods of Environment protection?
2) What is occupational health & safety and what it is aims at?
3) Explain about the type of hazard and Source of hazard for home safety?
4) Explain the types of landslide?
5) Explain about the artifical and mechanical venfilation?