



BHARAT SEVAK SAMAJ

NATIONAL DEVELOPMENT AGENCY, PROMOTED BY GOVERNMENT OF INDIA
CENTRAL BOARD OF EXAMINATIONS
BSS NATIONAL VOCATIONAL EDUCATION MISSION

FSS007-BSS DIPLOMA IN FIRE FIGHTING

ONE YEAR EXAMINATION NOV-2015

FSS007-01 COMMUNICATIVE ENGLISH AND COMPUTER FUNDAMENTALS

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) Pronouns are used instead of
- 2) He travelled Ticket.
- 3) 'Speak' is verb.
- 4) I seen the Tajmahal.
- 5) It is cold today.....
- 6) -----is a copy of the files on the computer typically it is stored o harddisk.(backup)
- 7) Windows 98 allows to start an application in.....
- 8) Function keys are
- 9) Redo option is in menu
- 10) The word computer is comes from the word-----

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Define the formation of Adjectives?
- 2) What is meant by verb?
- 3) Define some relative adverbs?
- 4) Define uncountable nouns?
- 5) Hardware
- 6) Enter
- 7) MS office
- 8) Formating tool bar
- 9) MS Access
- 10) Explain Cut, Copy and 'Paste'

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

- 1) Explain informal letter?
- 2) Define phrase
- 3) Windows 98
- 4) Work area
- 5) Icons
- 6) Use of 'has' and 'have' in sentences
- 7) Edit
- 8) Curve Tool

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) Write about the conversation to two person?
- 3) What are the advantages available in MS-WORD?
- 4) Write the types of Charts in EXCEL.
- 5) Create a worksheet using fill command



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ONE YEAR EXAMINATION NOV-2015

FSS007-03 BASIC SAFETY ENGINEERING

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) An injury by which, if an employee cannot join back for the job within 48 hrs, it is known as _____
- 2) _____ is the largest single organ in the body of fibrous tissues.
- 3) The colour of cold work permit is _____
- 4) What are the different types of ladder
- 5) Write about hydraulic jack
- 6) _____ are hazards which are caused because of natural phenomena
- 7) _____ is representing the approximate fire load on a square of floor area
- 8) A transport index relates to products that are..
- 9) Containment rules are rules that _____
- 10) A properly prepared uniform hazardous waste manifest _____

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) The color code for CO₂ Extinguisher in other countries?
- 2) What is emergency preparedness?
- 3) What is supervisor's accident report?
- 4) Mention the types of droughts?
- 5) What is meant by bio-terrorism?
- 6) What Precautionary measures have to be taken by the authorities before opening a dam for discharging the excess water into a canal/river?
- 7) What is danger?
- 8) Identify three major mitigation measures to reduce earthquake risk?
- 9) Is a 'hazardous substances' register the same as a 'dangerous goods' manifest?
- 10) How do we know if we need to measure the levels of chemicals in air at my workplace?

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

- 1) What are the types of hazop?
- 2) Explain the occupational health & hygiene?
- 3) What are the safety promotional activities?
- 4) For what purpose the accident investigation report is prepared?
- 5) Write about the different types of lines
- 6) What is vulnerability? Explain its two categories?
- 7) Describe the importance of insurance to men and machinery of an Industry dealing with dangerous jobs.
- 8) Explain the application of accident causation models?

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

- 1) Explain the types of occupational health hazards?
- 2) a) What are the reasons for safety stock? b) How will you conduct a safety survey?
- 3) Explain Mr.hepburn's twenty five groups of dangerous parts of machinery?
- 4) What are earthquakes? List out the causes of an earthquake.
- 5) Explain Man-made Disaster



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FSS007-BSS DIPLOMA IN FIRE FIGHTING

ONE YEAR EXAMINATION NOV-2015

FSS007-04 FIRE PREVENTION AND CONTROL

TIME: 3 Hours

Marks: 100

INSTRUCTIONS

- * 33 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

1 x 10 = 10

- 1) _____ have positive charge
- 2) _____ have no positive and negative charge.
- 3) Define safety management
- 4) What is safety education
- 5) What is meant by safety organization
- 6) Supporting documents are procured to satisfy a permit user regarding safety precautions are a) Clearance for excavation certificate b) Confined space entry certificate c) Isolation confirmation certificate d) All of the above
- 7) ILO was inaugurated in the year a) 1914 b) 1918 c) 1919 d) 1927
- 8) _____ is an electrical charge that accumulates on the surfaces of two materials that have been brought together and then separated.
- 9) _____ State receives more than 3000mm of rainfall every year.
- 10) Hazards can be grouped into broad categories namely _____ and _____

II. DEFINE THE FOLLOWING

2 x 10 = 20

- 1) Name some of knots using fire fighting flame?
- 2) What two elements produces complete combustion?
- 3) Mention the period when the ropes should be tested?
- 4) Where the branches and nozzles used at?
- 5) What are the types of water spray system?
- 6) What is stand-by pump?
- 7) Define Heat detectors?
- 8) What is a landslide?
- 9) Describe the systems approach to risk management?
- 10) What is danger?

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

- 1) Explain about any two extinguishing agents?
- 2) Explain about portable fire extinguishers?
- 3) Write a short note on Double acting force pump?
- 4) How might you minimize the risk of fire in a wood working area?
- 5) what should one do in case of fire?
- 6) Explain fire safety in go downs?
- 7) Explain the necessity of disaster warning systems in Industries.
- 8) What is meant by Emergency Plan Rehearsal? What are the advantages of such Rehearsals?

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

- 1) What are the precautions to be taken while recharging?
- 2) Explain the rescue operation in case of five emergencies?
- 3) Explain safety measures after electric fire?
- 4) Explain types of Disasters
- 5) How tremors are occurring? Describe the safe design of building to over come this?