COCHIN SHIPYARD LIMITED
(A Govt. of India Enterprise)
KOCHI -15

PHASE - I
OBJECTIVE TYPE TEST FOR THE POST OF
FIREMAN FOR CSL

26 September 2025

DURATION OF THE TEST : 35 Minutes
MAXIMUM MARKS : 30 Marks

DO NOT OPEN THIS QUESTION PAPER-CUM-ANSWER BOOKLET UNTIL ASKED TO DO SO

GENERAL INSTRUCTIONS

1. **ANSWER ALL QUESTIONS**. There shall be no negative marks.
2. **Answers are to be marked using ✓ mark against the most appropriate option among the options provided in the Question Booklet using BALL POINT PEN**.
3. Rough work, if any, is to be done on space provided in the Question Booklet only. No separate sheet will be provided for rough work.
4. **Calculators, Mobile, Electronic items etc., are not permitted inside the examination hall.**
5. Candidates seeking, receiving and /or giving assistance during the test will be disqualified.
6. The right to exclude any question (s) from final evaluation rests with CSL.
7. Do not seek any clarification on any item in the Question Booklet. Use your judgment.

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Please fill in the following details using ball point pen.

Name of Candidate	
Registration No.	
Name of Post	
Signature of candidate	
Signature of invigilator	

THIS QUESTION PAPER-CUM-ANSWER BOOKLET SHOULD BE HANDED OVER TO THE INVIGILATOR ON COMPLETION OF THE TEST

PHASE - I

OBJECTIVE TYPE TEST FOR THE POST OF FIREMAN FOR CSL

PART A

1. Who is the father of Indian Space programme?

   a) Vikram Sarabhai

   b) Homi J Bhabha

   c) C V Raman

   d) Satish Dhawan

2. In which year did India win its first Cricket World Cup ?

   a) 1975

   b) 1983

   c) 1992

   d) 2011

3. Information in a computer is stored as ?

   a) Analog Data

   b) Modern data

   c) Digital Data

   d) None of the above

4. The First President of India ?

   a) Pt. Jawahar Lal Nehru

   b) Dr. Zakir Hussain

   c) Dr. S Radha Krishnan

   d) Dr. Rajendra Prasad

5. Who is the Director General of the Sports Autority of India (SAI), appointed on October 2024 ?

    a) Sandeep Pradhan

    b) Sujata Chaturvedi

    c) Neelam Kapoor

    d) Rajiv Saxena

6. If 150 is 20% of a number, then 120% of that number will be .....

    a) 750

    b) 900

    c) 180

    d) 800

7. Reshma is 40 years old and Monisha is 60 years old. How many years ago was the ratio of their ages 3:5 ? .

    a) 10 Years

    b) 15 Years

    c) 5 Years

    d) 37 Years

8. If a pen costs ₹15, how many pens can you buy with ₹150?

    a) 5

    b) 10

    c) 15

    d) 20

9. What is the next number in the series?

5, 10, 15, 20, ...

a) 25

b) 22

c) 30

d) 35

10. Simplify

(12×3)+(6÷2)

a) 42

b) 40

c) 39

d) 21

PART B

11. What is the primary chemical reaction that occurs when wood burns in a fire?

a) Oxidation

b) Reduction

c) Dehydration

d) Hydrolysis

12. In a fire pump system, what does cavitation refer to?

a) A failure in the pump's motor

b) A condition where air pockets form in the pump, causing loss of efficiency

c) A water shortage in the firefighting system

d) A buildup of sediment in the pump

13. Which of the following is an example of a passive fire protection system?

a) Fire extinguishers

b) Fire detection alarms

c) Fire-resistant walls and doors

d) Sprinkler systems

14. A device that senses visible or invisible particles of combustion

a) Flame detector

b) Smoke detector

c) Heat detector

d) Ionization detector

15. The amount of combustibles present per unit area of a room or building enclosure

a) Combustible Load Density

b) Cooling Load Density

c) Fire Load Density

d) Discharge Load Density

16. A catastrophic rupture of a pressurized vessel containing a liquid at a temperature above its normal boiling point with the simultaneous ignition of the vaporizing fluid is called .....

a) UVCE

b) BLEVE

c) Boilover

d) Backdraft

17. An explosion resulting from the sudden introduction of air into a confined space containing oxygen deficient superheated products of incomplete combustion is called

a) Burn Back
b) Backdraft
c) Backfire
d) Flashback

18. Foam extinguishes fires by

a) Only smothering effect
b) Smothering and cooling effect
c) Only cooling effect
d) Starvation effect

19. Sodium bi-carbonate based Dry Chemical powder is not suitable for

a) Class A fire
b) Class B fire
c) Class C fire
d) None of the above

20. An exothermic reaction is one in which _____

a) Heat is released
b) Gas is released
c) Heat is absorbed
d) Volume is increased

21. The process by which a fire becomes self-sustaining once started, due to the continuous release of heat, is known as

a) Pyrolysis

b) Convection

c) Auto-ignition

d) Flashover

22. According to Indian Standards, which class of fire involves magnesium?

a) Class A

b) Class B

c) Class C

d) Class D

23. What is the primary function of a fire hose in firefighting operations?

a) To store water for later use

b) To transport water from the source to the fire

c) To maintain water pressure during firefighting

d) To reduce friction loss in water supply systems

24. When performing CPR on an adult, what is the recommended compression-to-breath ratio if you are performing hands-only CPR (without mouth-to-mouth)?

a) 15 compressions to 2 breaths

b) 30 compressions to 2 breaths

c) Continuous compressions with no breaths

d) 20 compressions to 1 breath

25. What is the main purpose of using a thermal imaging camera during a fire rescue operation?

a) To locate fire sources and heat pockets

b) To detect gas leaks

c) To measure water temperature

d) To monitor the temperature of rescue equipment

26. Which of the following is a commonly used clean agent in fire suppression systems?

a) AFFF

b) Carbon dioxide (CO_2)

c) FM-200

d) Halon 1301

27. What is the primary function of an active fire protection system?

a) To prevent the spread of fire by containing it within a specific area

b) To extinguish or suppress fires actively when they occur

c) To isolate fire-prone areas to avoid ignition

d) To alert building occupants and emergency services about the fire

28. Which of the following is an example of a passive fire protection measure used in the construction of buildings?

a) Compartmentation using fire-resistant materials

b) Smoke control systems

c) Fire alarm systems

d) Emergency lighting systems

29. When a 35 ft aluminium extension ladder for fire service is fully extended, how much length of main part and extended part will overlap each other when the length of each part is 21 ft.

a) 3.5 ft

b) 7 ft

c) 3 ft

d) None of the above

30. The GREEN colour glass bulb at sprinkler head breaks at a temperature of

a) 57 degree celsius

b) 68 degree Celsius

c) 93 degree Celsius

d) None of the above

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