

**COCHIN SHIPYARD LIMITED**

(A Govt. of India Enterprise)

KOCHI -15

**OBJECTIVE TYPE TEST FOR THE POST OF  
ASSISTANT FIRE OFFICER FOR CSL**

**21 FEBRUARY 2025**

***DURATION OF THE TEST : 45 Minutes***

***MAXIMUM MARKS : 40 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.**

<b>Name of Candidate</b>	
<b>Registration No.</b>	
<b>Name of Post</b>	
<b>Signature of candidate</b>	
<b>Signature of invigilator</b>	

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



**OBJECTIVE TYPE TEST FOR THE POST OF**  
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**PART A**

1. An international, high-speed passenger ferry service started on September 14, 2023, between
  - a) Nagapattinam (Tamil Nadu) and Kankesanthurai (Jaffna of Sri Lanka)
  - b) Haldia - Port Blair
  - c) Haldia - Chittagong (Bangladesh)
  - d) Chennai - Colombo (Sri Lanka)
  
2. Ministry of Defence signed a contract with which company for the acquisition of first-of-its-kind five Fleet Support Ships (FSS) of 44000 tonnes for the Indian Navy?
  - a) Hindustan Shipyard Ltd., Vishakhapatnam
  - b) Garden Reach Shipbuilders & Engineers Ltd., Kolkata
  - c) Mazagon Dock Shipbuilders Ltd., Mumbai
  - d) Naval Ship Repair Yard, Kochi
  
3. Who found the first organised labour union in India ?
  - a) S.S Bengalee
  - b) M N Lokhande
  - c) B P Wadia
  - d) V.V Giri

4. In technology, what does "HTTP" stand for?

- a) Hyperlink Transfer Protocol
- b) Hypertext Transmission Protocol
- c) Hypertext Transfer Protocol
- d) Hypertext Technical Protocol

5. Where is 2028 Olympics going to be held?

- a) Los Angeles
- b) Tokyo
- c) Paris
- d) Qatar

6. Select the most appropriate option to replace the italic word with the adverb of time.

I went to Paris *regularly*.

- a) Twice
- b) Often
- c) Yesterday
- d) Happily

7. Identify the incorrect plural.

- a) Sheep
- b) Swine
- c) Aircrafts
- d) Species

8. Antonym for **Impediments**

- a) Obstacles
- b) Obstructions
- c) Hindrances
- d) Promoters

9. There are ----- views on the issue of giving bonus to the employees.

- a) Independent
- b) Divergent
- c) Modest
- d) Adverse

10. Order to form meaningful sentence.

**They tell us,**

(P) in some places

(Q) there must have been

(R) that when the great glaciers of the Ice Age melted

(S) vast steppes or wide treeless plains

- a) QRPS
- b) QRSP
- c) RQPS
- d) RQSP

11.A # B means 'A is the sister of B'.

A @ B means 'A is the son of B'.

A & B means 'A is the father of B'.

A % B means 'A is the mother of B'.

If W@Q#T&Y@M%K, then how is Q related to K?

- a) Mother's sister
- b) Sister
- c) Mother
- d) Father's sister

12.The door of my house is towards east direction. From the backside of my house I drove straight 100 meters, then turned towards right and drove for 100 meters and then turned towards left and drove for 50 meters and reached my destination. In which direction am I from the straight point?

- a) North-East
- b) North-West
- c) South-East
- d) South-West

13.If all the symbols are removed from the series, what will be the eleventh element from left?

@ 8 M 6 B 4 # 7 N V % 6 ! H 8 # 3 J 5 V D 8 V & B 4 @

- a) J
- b) 5
- c) V
- d) 8

14. In a certain code language, '743' means 'mangoes are good'; '657' means 'eat good food' and '934' means 'mangoes are ripe'. Which digit means 'ripe' in that language?

- a) 4
- b) 9
- c) 5
- d) 7

15. What will come in the place of question mark?

2816, ?, 176, 44, 11

- a) 704
- b) 1408
- c) 352
- d) 2640

16. In a room there are 120 members. Two-thirds are men and rest are women. All members are married except 12 women members. How many married women are there in the room?

- a) 28
- b) 30
- c) 26
- d) 32

17. The single discount equivalent to two successive discounts of 15% and 12% on an article is .....

- a) 3%
- b) 25.2%
- c) 74.8%
- d) 27%

18. Rs. 720 was divided among A, B, C, D, E. The sum received by them was in ascending order and in arithmetic progression. E received Rs. 40 more than A. How much did B receive?

- a) Rs. 154
- b) Rs. 144
- c) Rs. 134
- d) Rs. 124

19. The number of employees is reduced in the ratio 3: 2 and the salary of each employee are increased in the ratio 4: 5. By doing so, the company saves Rs. 12000/-. What was the initial expenditure on the salary?

- a) Rs. 62000
- b) Rs. 60000
- c) Rs. 50000
- d) Rs. 72000



20. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

- a) 3.6
- b) 7.2
- c) 8.4
- d) 10

**PART B**

21. What is the pressure rating range of horizontal centrifugal pumps?

- a) 26 to 510 psi
- b) 40 to 394 psi
- c) 20 to 100 psi
- d) 30 to 230 psi

22. Which valve is installed on top of pump casing to release trapped air in the casing and to minimize pump cavitation?

- a) Relief valve
- b) Hose valve
- c) Automatic air release valve
- d) Circulation relief valve

23. Chemical used to depress the freezing points of water in portion of water suppression system connected to public water supplies?

- a) Pure glycerine
- b) Sodium Hydroxide
- c) Sodium Nitrate
- d) Phenoyl

24. Maximum travel distance or actual walking distance allowed for Class A fire extinguishers is.....

- a) 23 meter
- b) 22 meter
- c) 25 meter
- d) 30 meter

25. Maximum discharge time permitted for halocarbon clean agent system is ....

- a) 10 seconds
- b) 5 seconds
- c) 2 seconds
- d) 1 minute

26. Instrument used to measure the intensity of radiation from a hot object

- a) Nanometer
- b) Thermometer
- c) Pyrometer
- d) Thermocouple

27. A slow exothermic surface reaction characterized by a glowing or incandescence, smoke production and without flaming is....

- a) Pyrolysis
- b) Smoldering
- c) Melting
- d) Combustion

28.The quantity of combustible contents of a building space or fire area, including interior finish and trim is .....

- a) Fire Load
- b) Fuel Load
- c) Fire Point
- d) Flammable ratio

29.Fixed temperature heat detectors are not suitable for fires that have the potential for developing quickly because

- a) They can only respond to rate of rise of temperature
- b) In a quick fire, heat does not transfer to the device properly
- c) They can only detect heat coming from a fixed temperature
- d) The air reaches a higher temperature before the device

30.Why is a tight seal important when wearing the SCBA face mask?

- a) To increase oxygen supply
- b) To reduce pressure inside the mask
- c) To prevent contaminants from entering the mask
- d) To enable radio communication

31.Which method of heat transfer occurs through direct contact between materials?

- a) Convection
- b) Radiation
- c) Conduction
- d) Diffusion

32. What is the primary purpose of a priming system in fire pumps?

- a) To increase water pressure
- b) To monitor pump performance
- c) To regulate water flow
- d) To remove air from the pump casing

33. In the context of explosives, what does the term "detonation" refer to?

- a) A slow burn of an explosive material
- b) A rapid chemical reaction resulting in an explosion
- c) The process of safe disposal of explosives
- d) The phase of an explosive material that is unstable

34. BIS code for extension ladder

- a) IS-4671
- b) IS-95683
- c) IS-4471
- d) IS-4571

35. No. of types of buildings as per General classification of buildings as per NBC part-4?

- a) 12
- b) 10
- c) 8
- d) 9

36. Yellow colour in fusible bulb means the bulb breaks at a temperature of

- a) 79 degree
- b) 57 degree
- c) 68 degree
- d) 93 degree

37. As per IS 636, non-percolating delivery hoses are classified into \_\_\_\_\_ types.

- a) 2
- b) 3
- c) 4
- d) 5

38. Hydraulic combi tool is used in rescue operation to .....

- a) lift heavy objects
- b) separate and push apart materials
- c) locate victims
- d) deliver oxygen

39. Which component is essential for the proper operation of a drencher system?

- a) Portable fire extinguisher
- b) A reliable water supply
- c) Fire hose
- d) Personal protective equipment

40. What is the reason behind the use of water as the best extinguishing media?

- a) high latent heat
- b) high specific heat
- c) high boiling point
- d) high freezing point

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