COCHIN SHIPYARD LIMITED

(A Govt. of India Enterprise)

KOCHI -15

OBJECTIVE TYPE WRITTEN TEST TO THE POST OF PROJECT ASSISTANT (MECHANICAL)

07 MARCH 2026

DURATION OF THE TEST : 65 Minutes

MAXIMUM MARKS : 80

> **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**

OBJECTIVE TYPE TEST FOR THE POST OF PROJECT ASSISTANT (MECHANICAL) ON CONTRACT BASIS FOR CKSRU, KOLKATA

GENERAL KNOWLEDGE (1 mark each)

1. Which is the largest state in India by area?

   a) Maharashtra

   b) Madhya Pradesh

   c) Rajasthan

   d) Uttar Pradesh

2. Who wrote Gitanjali?

   a) Rabindranath Tagore

   b) Sarojini Naidu

   c) Bankim Chandra Chatterjee

   d) Premchand

3. National Maritime Day in India is observed on

   a) 1 April

   b) 5 April

   c) 15 August

   d) 26 January

4. "Playing It My Way" is the autobiography of:

   a) Kapil Dev

   b) M. S. Dhoni

   c) Sunil Gavaskar

   d) Sachin Tendulkar

5. ISRO headquarters is located at

    a) Chennai

    b) Hyderabad

    c) Bengaluru

    d) Thiruvananthapuram

REASONING (1 mark each):

6. What is the next number in the sequence 1, 4, 9, 16, ___.

    a) 20

    b) 24

    c) 25

    d) 36

7. If CAT is written as DBU, how is DOG written in same code ?

    a) EPH

    b) EPF

    c) DOH

    d) EOG
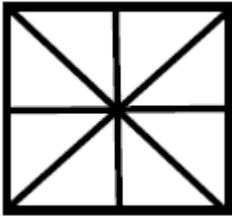

8. A is the father of B. B is the mother of C. How is A related to C?

    a) Grandfather

    b) Grandmother

    c) Uncle

    d) Father

9. Find the odd one out

    a) Square

    b) Rectangle

    c) Triangle

    d) Circle

10. How many straight lines are there in the figure given below?

    a) 14

    b) 8

    c) 4

    d) 9

Quantitative Aptitude : (1 mark each)

11. How many prime numbers are there between 1 and 20?

    a) 6

    b) 7

    c) 8

    d) 9

12. A train 200 m long passes a pole in 10 seconds. What is its speed?

    a) 60 km/hr

    b) 36 km/hr

    c) 54 km/hr

d) 72 km/hr

13. A cyclist covers a distance of 60 km in 4 hours. What is his speed?

      a) 12 km/hr

      b) 18 km/h

      c) 15 km/hr

      d) 20 km/hr

14. A sum of ₹8000 is invested at 5% simple interest per annum for 3 years. What is the interest earned.

      a) ₹1200

      b) ₹1500

      c) ₹ 2000

      d) ₹ 1800

15. If A : B = 3 : 5 and B = 40, then A is?

      a) 20

      b) 30

      c) 24

      d) 35

16. The HCF of 12 and 18 is?

      a) 3

      b) 6

      c) 9

      d) 12

17. In an examination, 40% students failed in English, 35% failed in Maths and 15% failed in both. What percentage of students passed both subjects?

      a) 40%

      b) 35%

      c) 30%

      d) 25%

18. Sixty-five percent of a number is 21 less than four-fifths of that number. What is the number?

      a) 15

      b) 2300

      c) 1005

      d) 140

19. The ratio of boys to girls in a class is 3 : 2. If there are 18 boys, how many girls are there?

      a) 10

      b) 12

      c) 15

      d) 20

20. Find the simple interest on ₹4000 at 5% per annum for 3 years.

      a) ₹500

      b) ₹600

      c) ₹700

      d) ₹800

General English: (1 mark each)

21. What is the synonym of the word" Brave"

      a) Cowardly

      b) Fearful

      c) Courageous

      d) Weak

22. Which is the correct form of the verb in this sentence

      "He _____ to school every day."

      a) Go

      b) Goes

      c) Going

      d) Gone

23. Complete the sentence.

      " They _____ the work before the deadline."

      a) Complete

      b) Completed

      c) Completing

      d) Completes

24. Identify the correct preposition. "He has been working here _____ five years"

      a) Since

      b) For

      c) By

      d) In

25. Choose the correct article. "He is _____ European citizen."

      a) A

      b) An

      c) The

      d) None

26. Synonym of Meticulous is

      a) Careless

      b) Careful

      c) Lazy

      d) Hasty

27. Antonym of Scarcity is

      a) Shortage

      b) Rarity

      c) Abundance

      d) Famine

28. Fill in the blank: He is ___ honest man.

      a) a

      b) an

      c) the

      d) no article

29. Choose the correctly spelt word

    a) Definately

    b) <mark>Definitely</mark>

    c) Definetly

    d) Definatly

30. Passive voice of "She writes a letter"

    a) Letter was written

    b) <mark>Letter is written by her</mark>

    c) Letter is being written

    d) Letter has written

SUBJECT BASED (2 mark each)

31. Which test is used to detect internal defects in a weld?

    a) Bend test

    b) Tensile test

    c) Nick break test

    d) <mark>Radiographic test</mark>

32. Magnetic particle inspection is suitable for detecting defects in

    a) Non-metallic materials

    b) Non-ferrous metals

    c) <mark>Ferromagnetic materials</mark>

    d) All materials

33. The open circuit voltage (OCV) of an arc welding set is generally

    a) 5–10 V

    b) 20–30 V

    c) 50–100 V

    d) 200–300 V

34. Which is the most effective method to prevent hydrogen crack in weld joint ?

    a) Increasing welding current

    b) Preheating and using low-hydrogen electrodes

    c) Using larger electrodes

    d) Reducing travel speed

35. Which element increases hardenability of steel and promotes cold cracking in welds?

    a) Silicon

    b) Manganese

    c) Carbon

    d) Nickel

36. Feeler gauge is used for measuring.

    a) Depth

    b) Diameter

    c) Gap

    d) Length

37. What is the function of a flywheel?

    a) Increase power

    b) Reduce friction

    c) Maintain uniform crankshaft speed

    d) Cool the engine

38. A four-stroke diesel engine does not have.

    a) Cooling system

    b) Ignition coil

    c) Cam shaft

    d) Piston rings

39. The main function of a nozzle in a steam turbine is to

    a) Increase pressure

    b) Reduce velocity

    c) Convert pressure energy into kinetic energy

    d) Change steam direction only

40. What is the unit of shear force.

    a) Newtons (N)

    b) Meters (m)

    c) Pascals (Pa)

    d) Joules (J)

41. The main function of a condenser in a steam power plant is to?

    a) Increase boiler pressure

    b) Reduce steam velocity

c) Maintain vacuum at turbine outlet

d) Increase steam temperature

42. The relationship between stress and strain in the elastic region of a material is described by which law.

a) Hooke's Law

b) Newton's Law

c) Bernoulli's Principle

d) Pascal's Law

43. Young's modulus is the ratio of

a) Stress to strain (within elastic limit)

b) Strain to stress

c) Shear stress to shear strain

d) Lateral strain to longitudinal strain

44. At the point of maximum bending moment

a) Shear force is maximum

b) Shear force is zero

c) Shear force is minimum

d) Bending stress is zero

45. In a refrigeration cycle, which component is responsible for absorbing heat from the space to be cooled.

a) Condenser

b) Evaporator

c) Compressor

d) Expansion valve

46. Priming of a centrifugal pump is done to

    a) Lubricate bearings

    b) Remove air and fill pump with liquid

    c) Reduce flow

    d) Increase pump speed

47. Which among the following methods is best suited for stainless steels?

    a) Electric butt welding

    b) Seam welding

    c) Flux coated arc welding

    d) Oxy-hydrogen welding

48. In Annealing, cooling is done in which of the following medium?

    a) Furnace

    b) Water

    c) Oil

    d) Air

49. Deformation per unit length in the direction of force is known as

    a) Strain

    b) Lateral strain

    c) Unit strain

    d) Linear strain

50. The main advantage of two-stroke engines over four-stroke engines is

  a) Lower fuel consumption at low speed

  b) Higher power-to-weight ratio

  c) Ability to use petrol

  d) Lower vibration

51. Bending stress is maximum at

  a) Neutral axis

  b) Outer fibres

  c) Centre

  d) Any point

52. Instrument used for accurate internal diameter measurement

  a) Vernier caliper

  b) Micrometer

  c) Bore gauge

  d) Steel rule

53. Cutting tool used on milling and broaching machine is

  a) Single point

  b) Two point

  c) Three point

  d) Multi point

54. Which metal is non-ferrous?

        a) Steel

        b) Cast iron

        c) Aluminium

        d) Wrought iron

55 . Which is a positive displacement pump?

        a) Centrifugal

        b) Gear

        c) Propeller

        d) Jet

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