





**OBJECTIVE TYPE TEST TO THE POST OF OUTFIT ASSISTANT  
(AIR CONDITIONER TECHNICIAN) ON CONTRACT BASIS FOR CSL**

**PART A**

- 1) How many states are there in India (2026)?
  - a) 25
  - b) 28
  - c) 29
  - d) 30
  
- 2) ISO standard for safety?
  - a) ISO 9001
  - b) ISO 14001
  - c) ISO 45001
  - d) ISO 50001
  
- 3) Engineer's Day in India (September 15) celebrates the birthday of which Bharat Ratna recipient?
  - a) Dr. APJ Abdul Kalam
  - b) J. R. D. Tata
  - c) M. Visvesvaraya
  - d) Dr. C. V. Raman
  
- 4) A hockey team has \_\_\_\_\_ players on the field.
  - a) 7
  - b) 11
  - c) 9
  - d) 8

- 5) The headquarters of RBI is in?
- a) Delhi
  - b) Chennai
  - c) Mumbai
  - d) Kolkata
- 6) The author of 'Malgudi Days' is
- a) R.K. Narayan
  - b) K.R. Narayanan
  - c) R.K. Narayanan
  - d) R.K. Laxman
- 7) The ozone layer protects us from:
- a) Rain
  - b) Heat
  - c) Ultraviolet rays
  - d) Wind
- 8) The International Yoga Day is celebrated on:
- a) June 21
  - b) July 1
  - c) August 15
  - d) May 5
- 9) The Planning Commission of India was replaced by:
- a) RBI
  - b) NITI Aayog
  - c) UPSC
  - d) Finance Commission

10) Who is the current Vice President of India?

- a) OM Birla
- b) Rajendra Arlekar
- c) Jagdeep Dhankhar
- d) C. P. Radhakrishnan

**PART B**

11) Which component in the refrigeration cycle increases the pressure of the refrigerant gas?

- a) Compressor
- b) Condenser
- c) Evaporator
- d) Expansion valve

12) How is absolute humidity in the psychrometric process defined?

- a) Mass of Actual vapor pressure at wet bulb temperature
- b) Mass of Saturated vapor pressure at dry bulb temperature
- c) Mass of water vapor present in 1 cubic metre of dry air
- d) Mass of water vapor present in 1 cubic metre of wet air

13) Which gas is eco-friendly among the following?

- a) R12
- b) R22
- c) R134a
- d) R11

- 14) In a refrigeration system, why are expansion devices located closer to the evaporator?
- a) To avoid the flow of the refrigerant
  - b) To minimise the heat gain
  - c) To ease the flow of the refrigerant
  - d) To maximise the heat gain
- 15) Non positive displacement compressor is
- a) Centrifugal compressor
  - b) Reciprocating compressor
  - c) Rotary compressor
  - d) Scroll compressor
- 16) What is the name of insulation material used inside the modern refrigerator?
- a) Fibre
  - b) P.U.F
  - c) Cork
  - d) Glass wool
- 17) What is the temperature of fresh food compartment of frost free refrigerator?
- a) 0 degree C
  - b) 2 degree C
  - c) 4 degree C
  - d) -5 degree C
- 18) Heat rejection capacity of the condenser should be
- a) Same as that of cooling capacity
  - b) Higher than cooling capacity
  - c) Lower than cooling capacity
  - d) Same as that of compressor cooling capacity

- 19) Which of the following refers to the term C.O.P. of refrigeration?
- a) Cooling for Performance
  - b) Coefficient of Performance
  - c) Capacity of Performance
  - d) Co-efficient of Plant
- 20) If the Coefficient of performance of a heat pump is 5, then what is the value of the Coefficient of performance of the refrigerator operating under the same conditions?
- a) 0.2
  - b) 3
  - c) 4
  - d) 6
- 21) Why is the evaporator used?
- a) To absorb heat
  - b) To decrease the refrigeration effect
  - c) To reject heat
  - d) To improve C.O.P
- 22) One ton of the refrigeration is
- a) the standard unit used in refrigeration problems
  - b) the cooling effect produced by melting of 1 ton of ice
  - c) the refrigeration effect to freeze 1 ton of water  $0^{\circ}\text{C}$  into ice at  $0^{\circ}\text{C}$  in 24 hours
  - d) the refrigeration effect to produce 1 ton of ice at NTP conditions
- 23) In the S.I unit, one ton of refrigeration is equal to
- a) 210 kJ/min
  - b) 21 kJ/min
  - c) 3.5 kJ/min
  - d) 420 kJ/min

- 24) Most of the domestic refrigerators work on the following refrigeration system
- a) Vapour compression
  - b) Vapour absorption
  - c) Carnot cycle
  - d) All of the above
- 25) Refrigerant enters the condenser as
- a) low pressure gas
  - b) high pressure gas
  - c) low pressure liquid
  - d) high pressure liquid
- 26) Which part of AC absorbs heat from room air?
- a) Condenser
  - b) Compressor
  - c) Evaporator
  - d) Receiver
- 27) What happens to refrigerant pressure in condenser?
- a) Increases
  - b) Decreases
  - c) Remains same
  - d) Becomes zero
- 28) What causes icing of evaporator coil?
- a) High airflow
  - b) Low refrigerant charge
  - c) High ambient temperature
  - d) Clean filter

29) Which part separates liquid and vapor refrigerant?

- a) Receiver
- b) Accumulator
- c) Condenser
- d) Evaporator

30) Which fire extinguisher is suitable for electrical fires?

- a) Water
- b) Foam
- c) CO<sub>2</sub>
- d) Sand

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