



Participant ID	
Participant Name	
Test Center Name	
Test Date	29/09/2024
Test Time	1:30 PM - 3:30 PM
Subject	Junior Engineering Assistant IV P and U

Section : Subject Knowledge

**Q.1** The ratio of mass flow rate and volume flow rate gives the unit of:

Ans  A. specific volume

B. weight density

C. mass density

D. specific gravity

Question ID : 6306801010519

Option 1 ID : 6306803965566

Option 2 ID : 6306803965568

Option 3 ID : 6306803965567

Option 4 ID : 6306803965569

Status : Answered

Chosen Option : B

**Q.2** When starting the condensate extraction pump (CEP) in a steam turbine system, which of the following actions should be performed if there is a vacuum inside the condenser?

Ans  A. Close the condensate inlet and outlet valves

B. Increase the differential pressure of the strainer

C. Start the pump without any additional steps

D. Open the vacuum balance valve

Question ID : 630680996449

Option 1 ID : 6306803909528

Option 2 ID : 6306803909530

Option 3 ID : 6306803909531

Option 4 ID : 6306803909529

Status : Answered

Chosen Option : D

**Q.3** Pressure (p) is the force per unit area applied in a direction perpendicular to the surface of an object. It is the resultant effect of

Ans  A. kgf/m<sup>2</sup>

B. lbf/in<sup>2</sup>

C. Pascal (Pa)

D. bar

**Q.4** The permissible limit of the boiler water TDS is 60 mg/L. If the TDS of boiler feedwater is 10 mg/L, then what is the percentage blowdown? (TDS total dissolved solids)

- Ans  A. 20%
- B. 10%
- C. 30%
- D. 40%

Question ID : 6306801008775  
 Option 1 ID : 6306803958623  
 Option 2 ID : 6306803958622  
 Option 3 ID : 6306803958624  
 Option 4 ID : 6306803958625  
 Status : Answered  
 Chosen Option : C

**Q.5** Read the given descriptions of pressure-sensing elements.

1. Utilises a curved, flexible tube that straightens under applied pressure
2. Involves a piston that compresses a spring when pressure is applied
3. Employs an expandable component resembling an accordion to measure pressure
4. Uses a thin, flexible membrane that deforms when pressure is exerted on it

Which of these descriptions matches the pressure-sensing element commonly used in process pressure measurement, specifically suited for detecting small pressure changes with high accuracy?

- Ans  A. Only description 3 is correct
- B. Only description 4 is correct
- C. Only description 1 is correct
- D. Descriptions 1 and 2 are correct

Question ID : 630680996764  
 Option 1 ID : 6306803910790  
 Option 2 ID : 6306803910791  
 Option 3 ID : 6306803910788  
 Option 4 ID : 6306803910789  
 Status : Answered  
 Chosen Option : D

**Q.6** Why are both ID fan and FD fan important in a boiler system?

- Ans  A. ID fan generates electricity, while FD fan transfers heat.
- B. ID fan and FD fan both supply combustion air but at different stages.
- C. ID fan evacuates combustion products, while FD fan supplies combustion air.
- D. ID fan and FD fan both evacuate combustion products but in different directions.

Question ID : 630680996702  
 Option 1 ID : 6306803910541  
 Option 2 ID : 6306803910542  
 Option 3 ID : 6306803910540  
 Option 4 ID : 6306803910543  
 Status : Answered  
 Chosen Option : C

**Q.7** What is the primary characteristic that distinguishes wet steam from dry, saturated steam?

- Ans  A. Wet steam contains water particles, while dry steam does not.
- B. Wet steam is visible and contains water droplets.
- C. Wet steam has a higher temperature than dry steam.
- D. Wet steam is heavier and more dense than dry steam.

Question ID : 630680996429  
 Option 1 ID : 6306803909450  
 Option 2 ID : 6306803909448  
 Option 3 ID : 6306803909449  
 Option 4 ID : 6306803909451  
 Status : Answered  
 Chosen Option : D

**Q.8** What is the primary effect of heating the sensor in a liquid expansion type temperature-measuring device?

- Ans
- A. The liquid inside the sensor solidifies, causing a decrease in pressure.
  - B. The liquid inside the sensor remains unchanged, with no effect on pressure.
  - C. The liquid inside the sensor contracts and its density increases.
  - D. The liquid inside the sensor expands or evaporates, increasing pressure.

Question ID : 630680996649  
 Option 1 ID : 6306803910331  
 Option 2 ID : 6306803910330  
 Option 3 ID : 6306803910328  
 Option 4 ID : 6306803910329  
 Status : Answered  
 Chosen Option : C

**Q.9** What happens to the boiler efficiency when the economiser is removed?

- Ans
- A. It becomes optimal.
  - B. It increases.
  - C. It remains the same.
  - D. It decreases significantly.

Question ID : 6306801004178  
 Option 1 ID : 6306803940759  
 Option 2 ID : 6306803940757  
 Option 3 ID : 6306803940758  
 Option 4 ID : 6306803940760  
 Status : Answered  
 Chosen Option : D

**Q.10** As per the Indian Boiler Act, 1923, the boiler which is used for generating steam under pressure is any closed vessel:

- Ans
- A. having 8.75 L to 14.75 L capacity
  - B. having less than 8.75 L capacity
  - C. exceeding 22.75 L capacity
  - D. having 14.75 L to 22.75 L capacity

Question ID : 6306801008741  
 Option 1 ID : 6306803958487  
 Option 2 ID : 6306803958486  
 Option 3 ID : 6306803958489  
 Option 4 ID : 6306803958488  
 Status : Answered  
 Chosen Option : C

**Q.11** How is waste heat recovered in an economiser?

- Ans
- A. By using the heat of the flue gases to preheat the boiler fuel
  - B. By transferring flue gas heat to feedwater through convection
  - C. By transferring heat from pressurised feedwater to flue gases
  - D. By generating steam from the heat of the flue gases

Question ID : 6306801004239  
 Option 1 ID : 6306803940932  
 Option 2 ID : 6306803940930  
 Option 3 ID : 6306803940929  
 Option 4 ID : 6306803940931  
 Status : Answered  
 Chosen Option : A

**Q.12** How can a user align the text within a text box in MS PowerPoint?

- Ans
- A. By using the 'Paragraph' group in the 'Home' tab
  - B. By pressing Ctrl + A
  - C. By dragging and dropping the text to the desired position
  - D. By right-clicking on the text and selecting 'Align'

Question ID : 630680745630  
 Option 1 ID : 6306802922695  
 Option 2 ID : 6306802922698  
 Option 3 ID : 6306802922696  
 Option 4 ID : 6306802922697  
 Status : Answered  
 Chosen Option : D

**Q.13** In a boiler power plant, a pressure gauge is calibrated to read 0-1000 kPa. The gauge is installed to measure the steam pressure. If the gauge reads 650 kPa, what is the range of the actual steam pressure? (Assume an accuracy of 1% for this gauge.)

- Ans
- A. 645 kPa to 665 kPa
  - B. 635 kPa to 655 kPa
  - C. 650 kPa to 670 kPa
  - D. 640 kPa to 660 kPa

Question ID : 6306801003881  
 Option 1 ID : 6306803939747  
 Option 2 ID : 6306803939745  
 Option 3 ID : 6306803939748  
 Option 4 ID : 6306803939746  
 Status : Answered  
 Chosen Option : C

**Q.14** Which of the following sums up an IBR boiler the best?

- Ans
- A. A boiler that must comply with specific design and material standards under the Indian Boiler Regulations
  - B. A boiler primarily used for residential heating
  - C. A boiler that operates without any need for periodic inspection
  - D. A boiler that does not require any formal certification for operation

Question ID : 6306801010865  
 Option 1 ID : 6306803966922  
 Option 2 ID : 6306803966923  
 Option 3 ID : 6306803966924  
 Option 4 ID : 6306803966921  
 Status : Answered  
 Chosen Option : D

**Q.15** Which of the following devices is designed to increase the thermal efficiency of a boiler system by recovering residual heat from the flue gases?

- Ans
- A. Air preheater
  - B. Boiler drum
  - C. Superheater
  - D. Economiser

Question ID : 6306801003814  
 Option 1 ID : 6306803939458  
 Option 2 ID : 6306803939460  
 Option 3 ID : 6306803939459  
 Option 4 ID : 6306803939457  
 Status : Answered  
 Chosen Option : D

**Q.16** What is the typical range of excess air or oxygen levels at which a boiler is expected to operate for the highest efficiency?

- Ans
- A. 5 - 10% excess air or 1 - 2% oxygen
  - B. 30 - 40% excess air or 6 - 8% oxygen
  - C. 20 - 30% excess air or 4 - 6% oxygen
  - D. 10 - 20% excess air or 2 - 4% oxygen

Question ID : 630680996632  
 Option 1 ID : 6306803910260  
 Option 2 ID : 6306803910263  
 Option 3 ID : 6306803910262  
 Option 4 ID : 6306803910261  
 Status : Answered  
 Chosen Option : C

**Q.17** A gas has a temperature of 27°C. What is its temperature in Kelvin and Rankine?

- Ans
- A. 300.15 K and 850.67°R
  - B. 273.15 K and 491.67°R
  - C. 300.15 K and 540.27°R
  - D. 273.15 K and 509.67°R

Question ID : 630680996665  
 Option 1 ID : 6306803910394  
 Option 2 ID : 6306803910392  
 Option 3 ID : 6306803910393  
 Option 4 ID : 6306803910395  
 Status : Answered  
 Chosen Option : A

Q.18 Which of the following mountings is used in high-pressure boilers, specifically designed to release steam automatically when the pressure exceeds a safe limit?

- Ans  A. Water level indicator  
 B. Safety valve  
 C. Pressure gauge  
 D. Temperature gauge

Question ID : 6306801002346  
Option 1 ID : 6306803933482  
Option 2 ID : 6306803933483  
Option 3 ID : 6306803933484  
Option 4 ID : 6306803933481  
Status : Answered  
Chosen Option : B

Q.19 If, during operation of the boiler, the pressure gauge reads zero pressure, what should be done?.

- Ans  A. Increase the fuel flow to the boiler  
 B. Open parts of boiler to vary the risk of explosion  
 C. Check for water level issues and potential boiler shutdown  
 D. Reduce the load on the boiler

Question ID : 6306801006847  
Option 1 ID : 6306803951122  
Option 2 ID : 6306803951125  
Option 3 ID : 6306803951123  
Option 4 ID : 6306803951124  
Status : Answered  
Chosen Option : C

Q.20 Why is an IBR boiler mandated to have a pressure gauge and safety valve?

- Ans  A. To reduce fuel consumption  
 B. To ensure operational safety and compliance with regulations  
 C. To increase steam output  
 D. To improve boiler efficiency

Question ID : 6306801004615  
Option 1 ID : 6306803942348  
Option 2 ID : 6306803942346  
Option 3 ID : 6306803942347  
Option 4 ID : 6306803942345  
Status : Answered  
Chosen Option : B

Q.21 DRAM stands for \_\_\_\_\_.

- Ans  A. Digital Random Access Memory  
 B. Dual Random Access Memory  
 C. Dynamic Random Access Memory  
 D. Direct Random Access Memory

Question ID : 6306801035721  
Option 1 ID : 6306804065794  
Option 2 ID : 6306804065793  
Option 3 ID : 6306804065795  
Option 4 ID : 6306804065792  
Status : Answered  
Chosen Option : C

Q.22 Which of the following valves is used to quickly shut off sections of a boiler system?

- Ans  A. Gate valve  
 B. Needle valve  
 C. Check valve  
 D. Ball valve

Question ID : 6306801010000  
Option 1 ID : 6306803963479  
Option 2 ID : 6306803963480  
Option 3 ID : 6306803963481  
Option 4 ID : 6306803963482  
Status : Answered  
Chosen Option : A

Q.23 What kind of media is utilised to pressurise the boiler during a hydraulic test?

- Ans  A. Steam  
 B. Water  
 C. Compressed air  
 D. Oil

Question ID : 6306801006749  
Option 1 ID : 6306803950735  
Option 2 ID : 6306803950736  
Option 3 ID : 6306803950734  
Option 4 ID : 6306803950737  
Status : Answered  
Chosen Option : B

Q.24 The force a flowing fluid exerts on a body in the flow direction is called:

- Ans  A. pressure force  
 B. surface tension force  
 C. drag force  
 D. elastic force

Question ID : 6306801010512  
Option 1 ID : 6306803965545  
Option 2 ID : 6306803965542  
Option 3 ID : 6306803965544  
Option 4 ID : 6306803965543  
Status : Answered  
Chosen Option : A

Q.25 Which of the following file formats for workbooks in MS Excel is compatible with other types of spreadsheet software?

- Ans  A. .csv  
 B. .pdf  
 C. .xlsb  
 D. .xlsx

Question ID : 630680782087  
Option 1 ID : 6306803065258  
Option 2 ID : 6306803065259  
Option 3 ID : 6306803065257  
Option 4 ID : 6306803065256  
Status : Answered  
Chosen Option : C

Q.26 What is the primary purpose of conducting a hydraulic test on a boiler?

- Ans  A. To verify thermal performance  
 B. To inspect safety valve operation  
 C. To detect leaks and ensure pressure integrity  
 D. To evaluate refractory condition

Question ID : 6306801003898  
Option 1 ID : 6306803939797  
Option 2 ID : 6306803939799  
Option 3 ID : 6306803939798  
Option 4 ID : 6306803939800  
Status : Answered  
Chosen Option : C

Q.27 Under the Indian Boilers Act, 1923, the maximum period between successive inspections of a boiler is typically \_\_\_\_\_.

- Ans  A. two years  
 B. one year  
 C. five years  
 D. six months

Question ID : 6306801004662  
Option 1 ID : 6306803942530  
Option 2 ID : 6306803942529  
Option 3 ID : 6306803942531  
Option 4 ID : 6306803942532  
Status : Answered  
Chosen Option : B

Q.28 Which of the following valves is a quick closing valve and stops the steam entry into the turbine immediately when it closes?

- Ans
- A. Safety valve
  - B. Pressure regulating valve
  - C. Governing valve
  - D. Emergency stop valve

Question ID : 6306801010340  
 Option 1 ID : 6306803964866  
 Option 2 ID : 6306803964867  
 Option 3 ID : 6306803964869  
 Option 4 ID : 6306803964868  
 Status : Answered  
 Chosen Option : C

Q.29 In a reaction turbine, what is the primary function of the fixed blades attached to the casing?

- Ans
- A. To increase the pressure of the steam
  - B. To decrease the velocity of the steam
  - C. To guide the steam into the moving blades
  - D. To produce a reaction force on the steam

Question ID : 6306801003386  
 Option 1 ID : 6306803937683  
 Option 2 ID : 6306803937684  
 Option 3 ID : 6306803937682  
 Option 4 ID : 6306803937681  
 Status : Answered  
 Chosen Option : D

Q.30 Which kind of boiler system has the highest likelihood of having an economiser installed for waste heat recovery?

- Ans
- A. High-pressure water-tube boiler
  - B. Steam generator
  - C. Small residential boiler
  - D. Low-pressure fire-tube boiler

Question ID : 6306801004707  
 Option 1 ID : 6306803942698  
 Option 2 ID : 6306803942699  
 Option 3 ID : 6306803942700  
 Option 4 ID : 6306803942697  
 Status : Answered  
 Chosen Option : A

Q.31 Which of the following methods of external water treatment easily removes scale forming calcium and magnesium ions from the water by ion exchange process using resins?

- Ans
- A. Degasser
  - B. Cation exchanger
  - C. Demineralising
  - D. Softener

Question ID : 6306801011122  
 Option 1 ID : 6306803967936  
 Option 2 ID : 6306803967935  
 Option 3 ID : 6306803967934  
 Option 4 ID : 6306803967933  
 Status : Answered  
 Chosen Option : C

Q.32 Which type of valve is used to control the flow rate in a pipeline that is typically operated by an external power source or pneumatic signal?

- Ans
- A. Regulation valve
  - B. Control valve
  - C. Isolation valve
  - D. Check valve

Question ID : 6306801002356  
 Option 1 ID : 6306803933538  
 Option 2 ID : 6306803933539  
 Option 3 ID : 6306803933537  
 Option 4 ID : 6306803933540  
 Status : Answered  
 Chosen Option : B

Q.33 Which of the following devices removes the entrained water particles from the steam conveyed to the steam engine or turbine?

- Ans  A. Superheater  
 B. Steam separator  
 C. Air heater  
 D. Economiser

Question ID : 6306801011072  
 Option 1 ID : 6306803967737  
 Option 2 ID : 6306803967740  
 Option 3 ID : 6306803967738  
 Option 4 ID : 6306803967739  
 Status : Answered  
 Chosen Option : A

Q.34 What is the primary function of a Programmable Logic Controller (PLC) in power plant automation?

- Ans  A. To continuously measure process inputs and generate output signals  
 B. To replace the need for human operators in all power plant processes  
 C. To store large amounts of data for processing  
 D. To serve as a memory storage device similar to RAM and ROM

Question ID : 6306801004329  
 Option 1 ID : 6306803941222  
 Option 2 ID : 6306803941223  
 Option 3 ID : 6306803941221  
 Option 4 ID : 6306803941224  
 Status : Answered  
 Chosen Option : B

Q.35 Which of the following components is opened after draining the water and isolating the other connected pipeline valves during the inspection of a boiler?

- Ans  A. Hand hole cap of water header  
 B. Economiser  
 C. Steam drum manhole  
 D. Superheater

Question ID : 6306801008781  
 Option 1 ID : 6306803958646  
 Option 2 ID : 6306803958649  
 Option 3 ID : 6306803958647  
 Option 4 ID : 6306803958648  
 Status : Answered  
 Chosen Option : C

Q.36 A venturi meter is inserted in a vertical pipe carrying water, flowing in the upward direction. A differential mercury manometer connected to the inlet and throat gives a reading of 20 cm. What will be the differential pressure head? Take specific gravity of mercury = 13.5.

- Ans  A. 250 cm of water  
 B. 100 cm of water  
 C. 200 cm of water  
 D. 150 cm of water

Question ID : 6306801010538  
 Option 1 ID : 6306803965637  
 Option 2 ID : 6306803965634  
 Option 3 ID : 6306803965636  
 Option 4 ID : 6306803965635  
 Status : Answered  
 Chosen Option : B

Q.37 Which of the following characteristics of a computer system refers to its ability to process multiple tasks concurrently by rapidly switching between them?

- Ans  A. Distributed computing  
 B. Real-time processing  
 C. Parallel processing  
 D. Multitasking

Question ID : 630680806832  
 Option 1 ID : 6306803160954  
 Option 2 ID : 6306803160956  
 Option 3 ID : 6306803160953  
 Option 4 ID : 6306803160955  
 Status : Answered  
 Chosen Option : D

**Q.38** Which of the following influences an economiser's performance in waste heat recovery the most?

- Ans  A. The temperature difference between the flue gases and the feedwater  
 B. The size of the economiser  
 C. The type of fuel used in the boiler  
 D. The ambient air temperature

Question ID : 6306801004716  
Option 1 ID : 6306803942734  
Option 2 ID : 6306803942733  
Option 3 ID : 6306803942735  
Option 4 ID : 6306803942736  
Status : Answered  
Chosen Option : B

**Q.39** What is the minimum airflow required for purging a furnace to prevent the accumulation of explosive mixture before starting a boiler?

- Ans  A. 20% for 5-10 minutes  
 B. 30% for 5-10 minutes  
 C. 40% for 10-15 minutes  
 D. 10% for 2-5 minutes

Question ID : 6306801003405  
Option 1 ID : 6306803937778  
Option 2 ID : 6306803937779  
Option 3 ID : 6306803937780  
Option 4 ID : 6306803937777  
Status : Answered  
Chosen Option : C

**Q.40** Where is a mud drum placed in a boiler?

- Ans  A. In the bottom portion  
 B. In the middle portion  
 C. In the corner  
 D. In the upper portion

Question ID : 6306801004468  
Option 1 ID : 6306803941775  
Option 2 ID : 6306803941774  
Option 3 ID : 6306803941776  
Option 4 ID : 6306803941773  
Status : Answered  
Chosen Option : B

**Q.41** From the steam table, one can obtain the values of various properties of:

- Ans  A. superheated steam only  
 B. saturated water only  
 C. steam only  
 D. saturated water and steam as well as for the superheated steam

Question ID : 6306801011099  
Option 1 ID : 6306803967843  
Option 2 ID : 6306803967841  
Option 3 ID : 6306803967842  
Option 4 ID : 6306803967844  
Status : Answered  
Chosen Option : B

**Q.42** Which type of fire is caused by flammable liquids, such as gasoline and oil, and should never be extinguished with water?

- Ans  A. Class C  
 B. Class K  
 C. Class A  
 D. Class B

Question ID : 6306801004371  
Option 1 ID : 6306803941391  
Option 2 ID : 6306803941392  
Option 3 ID : 6306803941389  
Option 4 ID : 6306803941390  
Status : Answered  
Chosen Option : B

Q.43 Steaming Economiser is the one where the rise in feedwater temperature is greater than:

- Ans  A. 57% of the difference between the feedwater inlet and saturation temperature  
 B. 43% of the difference between the feedwater inlet and saturation temperature  
 C. 67% of the difference between the feedwater inlet and saturation temperature  
 D. 33% of the difference between the feedwater inlet and saturation temperature

Question ID : 6306801008663  
Option 1 ID : 6306803958173  
Option 2 ID : 6306803958172  
Option 3 ID : 6306803958170  
Option 4 ID : 6306803958171  
Status : Answered  
Chosen Option : C

Q.44 What safety measure must be taken first before igniting a boiler?

- Ans  A. Ensure the fuel supply is adequate  
 B. Check the water level  
 C. Inspect the boiler for any visible leaks or damage  
 D. Open all safety valves

Question ID : 6306801010878  
Option 1 ID : 6306803966975  
Option 2 ID : 6306803966974  
Option 3 ID : 6306803966976  
Option 4 ID : 6306803966973  
Status : Answered  
Chosen Option : D

Q.45 Which of the following Sections of the Boiler Code provides requirement for all methods of electric boilers?

- Ans  A. Non-destructive examination  
 B. Power boilers  
 C. Heating boilers  
 D. Materials

Question ID : 6306801008653  
Option 1 ID : 6306803958133  
Option 2 ID : 6306803958130  
Option 3 ID : 6306803958132  
Option 4 ID : 6306803958131  
Status : Answered  
Chosen Option : C

Q.46 The maximum flow that is obtained from a centrifugal pump without damaging the pump is called:

- Ans  A. stage  
 B. gland  
 C. pump run out  
 D. shutoff head

Question ID : 6306801010351  
Option 1 ID : 6306803964909  
Option 2 ID : 6306803964908  
Option 3 ID : 6306803964906  
Option 4 ID : 6306803964907  
Status : Answered  
Chosen Option : D

Q.47 In a scenario where an economiser is not functioning correctly, what is the immediate action to be taken?

- Ans  A. Open the economiser bypass valve.  
 B. Increase the firing rate of the boiler.  
 C. Stop the feedwater pump.  
 D. Increase the water level in the boiler.

Question ID : 6306801006549  
Option 1 ID : 6306803949947  
Option 2 ID : 6306803949946  
Option 3 ID : 6306803949948  
Option 4 ID : 6306803949949  
Status : Answered  
Chosen Option : D

Q.48 The economiser heating surface is around:

- Ans  A. 200% to 250% of the boiler heating surface  
 B. 125% to 150% of the boiler heating surface  
 C. 80% to 90% of the boiler heating surface  
 D. 25% to 40% of the boiler heating surface

Question ID : 6306801008717  
Option 1 ID : 6306803958385  
Option 2 ID : 6306803958384  
Option 3 ID : 6306803958383  
Option 4 ID : 6306803958382  
Status : Answered  
Chosen Option : B

Q.49 In which of the following mechanical gauges is the tube filled with a liquid that is in contact with the fluid in pipe or vessel across a diaphragm?

- Ans  A. Diaphragm  
 B. Dead weight  
 C. Bellow  
 D. Bourdon tube

Question ID : 6306801010451  
Option 1 ID : 6306803965302  
Option 2 ID : 6306803965304  
Option 3 ID : 6306803965305  
Option 4 ID : 6306803965303  
Status : Answered  
Chosen Option : B

Q.50 Which kind of fire extinguisher is inappropriate for use in boiler rooms during electrical fires?

- Ans  A. Dry powder  
 B. Foam  
 C. CO<sub>2</sub>  
 D. Water

Question ID : 6306801010862  
Option 1 ID : 6306803966909  
Option 2 ID : 6306803966911  
Option 3 ID : 6306803966910  
Option 4 ID : 6306803966912  
Status : Answered  
Chosen Option : D

Q.51 Which type of fitting is used to connect two pipes of different sizes in a boiler plant piping system?

- Ans  A. Coupling fitting  
 B. Union fitting  
 C. Elbow fitting  
 D. Reducer fitting

Question ID : 6306801002334  
Option 1 ID : 6306803933434  
Option 2 ID : 6306803933433  
Option 3 ID : 6306803933436  
Option 4 ID : 6306803933435  
Status : Answered  
Chosen Option : C

Q.52 In a cooling tower, the difference between the wet bulb temperature and the outgoing cooling water temperature is known as \_\_\_\_\_.

- Ans  A. evaporation rate  
 B. heat transfer coefficient  
 C. cooling tower approach  
 D. cooling tower range

Question ID : 630680996620  
Option 1 ID : 6306803910214  
Option 2 ID : 6306803910215  
Option 3 ID : 6306803910213  
Option 4 ID : 6306803910212  
Status : Answered  
Chosen Option : B

Q.53 If the dryness fraction of steam is 0.75, then the wetness fraction of steam will be:

- Ans  A. 0.75  
 B. 0.25  
 C. 0.88  
 D. 1.75

Question ID : 6306801008771  
Option 1 ID : 6306803958609  
Option 2 ID : 6306803958607  
Option 3 ID : 6306803958608  
Option 4 ID : 6306803958606  
Status : Answered  
Chosen Option : C

Q.54 Which of the following steps is NOT correct for normalising the high-water level in a boiler drum?

- Ans  A. Try to increase the drum pressure  
 B. Open the blow down valve  
 C. Control feedwater flow manually  
 D. Increase the steaming rate

Question ID : 6306801008813  
Option 1 ID : 6306803958776  
Option 2 ID : 6306803958777  
Option 3 ID : 6306803958774  
Option 4 ID : 6306803958775  
Status : Answered  
Chosen Option : C

Q.55 Which of the following methods is NOT adopted to control the flow of an ID fan?

- Ans  A. Variable frequency drive (VFD)  
 B. Uniform speed hydraulic coupling  
 C. Damper control  
 D. Two-speed electric motor

Question ID : 6306801010459  
Option 1 ID : 6306803965332  
Option 2 ID : 6306803965330  
Option 3 ID : 6306803965331  
Option 4 ID : 6306803965333  
Status : Answered  
Chosen Option : B

Q.56 During feedwater fill-up in the boiler, after the economiser is filled up with feedwater, water enters into the:

- Ans  A. evaporator  
 B. water wall  
 C. boiler drum  
 D. preheater

Question ID : 6306801008670  
Option 1 ID : 6306803958198  
Option 2 ID : 6306803958200  
Option 3 ID : 6306803958199  
Option 4 ID : 6306803958201  
Status : Answered  
Chosen Option : C

Q.57 Which type of condenser is most commonly used in large power plants?

- Ans  A. Evaporative condenser  
 B. Jet condenser  
 C. Surface condenser  
 D. Air cooled condenser

Question ID : 6306801007091  
Option 1 ID : 6306803952090  
Option 2 ID : 6306803952091  
Option 3 ID : 6306803952089  
Option 4 ID : 6306803952088  
Status : Answered  
Chosen Option : B

Q.58 What is the principle of operation of a bimetallic temperature gauge?

- Ans  A. Difference in melting point of dissimilar metals  
 B. Viscosity change of a fluid with temperature  
 C. Electrical resistance change in a metal alloy  
 D. Mechanical deformation of a composite metal strip

Question ID : 630680996656  
Option 1 ID : 6306803910356  
Option 2 ID : 6306803910359  
Option 3 ID : 6306803910357  
Option 4 ID : 6306803910358  
Status : Answered  
Chosen Option : D

Q.59 What does a dark emission in the stack indicate, and how can it be corrected?

- Ans  A. Incomplete combustion; reduce air supply  
 B. Incomplete combustion; optimise fuel mix  
 C. Excess fuel; increase air flow rate  
 D. Complete combustion; no adjustment needed

Question ID : 6306801003767  
Option 1 ID : 6306803939254  
Option 2 ID : 6306803939255  
Option 3 ID : 6306803939256  
Option 4 ID : 6306803939253  
Status : Answered  
Chosen Option : D

Q.60 A boiler system generates 100 tons of steam per hour at a pressure of 20 bar. The feedwater enters the economiser at a temperature of 100°C and exits at 150°C. The specific heat capacity of water is 4.18 kJ/kg°C. The amount of heat recovered by the economiser per hour is:

- Ans  A. 15,900,000 kJ/hr  
 B. 10,900,000 kJ/hr  
 C. 20,900,000 kJ/hr  
 D. 12,900,000 kJ/hr

Question ID : 6306801003846  
Option 1 ID : 6306803939595  
Option 2 ID : 6306803939593  
Option 3 ID : 6306803939596  
Option 4 ID : 6306803939594  
Status : Answered  
Chosen Option : C

Q.61 The theoretical temperature at which all the molecular motions stop and substances possess no thermal energy, is called:

- Ans  A. steam point  
 B. absolute zero temperature  
 C. ice point  
 D. triple point

Question ID : 6306801010470  
Option 1 ID : 6306803965375  
Option 2 ID : 6306803965377  
Option 3 ID : 6306803965374  
Option 4 ID : 6306803965376  
Status : Answered  
Chosen Option : B

Q.62 How will the utilisation of preheated air for the combustion process be helpful to reduce smoke emission in the boiler system?

- Ans  A. By cooling down the fuel before burning  
 B. By increasing the temperature of the flue gases  
 C. By enhancing the combustion process and reducing incomplete combustion  
 D. By decreasing the efficiency of the burner

Question ID : 6306801009936  
Option 1 ID : 6306803963229  
Option 2 ID : 6306803963227  
Option 3 ID : 6306803963230  
Option 4 ID : 6306803963228  
Status : Answered  
Chosen Option : C

Q.63 A high-pressure steam boiler plant experiences an unexpected increase in makeup water usage. What is the most appropriate immediate action to take regarding water analysis?

- Ans
- A. Analyse the water immediately to identify potential changes in water quality
  - B. Continue with the existing water analysis schedule
  - C. Reduce the frequency of water analysis to monthly
  - D. Suspend water analysis until the makeup water usage returns to normal

Question ID : 630680996355  
Option 1 ID : 6306803909154  
Option 2 ID : 6306803909153  
Option 3 ID : 6306803909152  
Option 4 ID : 6306803909155  
Status : Answered  
Chosen Option : C

Q.64 What is the typical method used to perform intermittent blowdown?

- Ans
- A. Automatic pressure relief
  - B. Continuous removal of water
  - C. Manually removing water at intervals
  - D. Relieving steam through a valve

Question ID : 6306801006929  
Option 1 ID : 6306803951452  
Option 2 ID : 6306803951450  
Option 3 ID : 6306803951451  
Option 4 ID : 6306803951453  
Status : Answered  
Chosen Option : C

Q.65 Which of the following statements is/are correct about overcurrent relays in generator protection?

Statement 1: Instantaneous overcurrent relays operate without intentional time delay for high fault currents.  
Statement 2: Time lag overcurrent relays are designed to operate instantly for low fault currents.  
Statement 3: The pickup value of the instantaneous overcurrent relay is always lower than the time lag overcurrent relay.  
Statement 4: Overcurrent relays are used to protect the generator from under voltage conditions.

- Ans
- A. Only Statement 1 is correct.
  - B. Statements 2 and 4 are correct.
  - C. Statements 3 and 4 are correct.
  - D. Statements 1 and 3 are correct.

Question ID : 6306801004317  
Option 1 ID : 6306803941173  
Option 2 ID : 6306803941175  
Option 3 ID : 6306803941176  
Option 4 ID : 6306803941174  
Status : Answered  
Chosen Option : B

Q.66 A boiler uses a shell-and-tube heat exchanger with a heat transfer area of  $50 \text{ m}^2$  and a heat transfer coefficient of  $130 \text{ W/m}^2\text{-K}$ . If the temperature difference between the hot and cold fluids is  $40^\circ\text{C}$ , what is the rate of heat transfer through the heat exchanger?

- Ans
- A. 240 KW
  - B. 520 KW
  - C. 480 KW
  - D. 260 KW

Question ID : 6306801009981  
Option 1 ID : 6306803963404  
Option 2 ID : 6306803963406  
Option 3 ID : 6306803963405  
Option 4 ID : 6306803963403  
Status : Answered  
Chosen Option : C

**Q.67** In congruent phosphate treatment, the ratio of sodium to phosphate ions ( $\text{Na}/\text{PO}_4$ ) is maintained from:

- Ans  A. 0.3 : 1 to 0.9 : 1  
 B. 2.3 : 1 to 2.6 : 1  
 C. 1 : 1 to 1 : 1.5  
 D. 3.5 : 1 to 5 : 1

Question ID : 630680101149  
 Option 1 ID : 6306803968037  
 Option 2 ID : 6306803968036  
 Option 3 ID : 6306803968038  
 Option 4 ID : 6306803968039  
 Status : Answered  
 Chosen Option : C

**Q.68** Where should automatic air vents for steam systems be fitted to ensure effective removal of air?

- Ans  A. In a central location, to vent air from the entire system  
 B. Above the condensate level, at the end of the steam mains  
 C. Below the condensate level, to capture steam and air  
 D. At the start of the steam mains, before steam enters

Question ID : 6306801003443  
 Option 1 ID : 6306803937960  
 Option 2 ID : 6306803937959  
 Option 3 ID : 6306803937958  
 Option 4 ID : 6306803937957  
 Status : Answered  
 Chosen Option : C

**Q.69** The difference between the temperature of cold water leaving the cooling tower and the wet bulb temperature of atmospheric air is known as:

- Ans  A. drift  
 B. fill  
 C. approach  
 D. cooling range

Question ID : 6306801010556  
 Option 1 ID : 6306803965707  
 Option 2 ID : 6306803965708  
 Option 3 ID : 6306803965706  
 Option 4 ID : 6306803965705  
 Status : Answered  
 Chosen Option : A

**Q.70** Given an RTD (Resistance Temperature Device) with a resistance of  $R_0 = 100 \Omega$  at  $0^\circ\text{C}$  and a temperature coefficient of resistance  $\alpha = 0.004/^\circ\text{C}$ , which of the following equations correctly represents the resistance  $R$  of the RTD at a temperature  $T$ ?

- Ans  A.  $R = 100 + 0.004T$   
 B.  $R = 100(1 + 0.004T)$   
 C.  $R = 100(1 + 0.04T)$   
 D.  $R = 100(1 - 0.004T)$

Question ID : 630680996642  
 Option 1 ID : 6306803910300  
 Option 2 ID : 6306803910301  
 Option 3 ID : 6306803910302  
 Option 4 ID : 6306803910303  
 Status : Answered  
 Chosen Option : B

**Q.71** Which of the following equations gives the relation among flow rate, pressure and area of fluid flow?

- Ans  A. Buoyancy equation  
 B. Froude equation  
 C. Hagen-Poiseuille equation  
 D. Continuity equation

Question ID : 6306801010531  
 Option 1 ID : 6306803965607  
 Option 2 ID : 6306803965609  
 Option 3 ID : 6306803965608  
 Option 4 ID : 6306803965606  
 Status : Answered  
 Chosen Option : D

Q.72 Which of the following features of MS Word CANNOT be changed using the Font dialog box?

- Ans  A. Font size  
 B. Line spacing  
 C. Font style  
 D. Font color

Question ID : 6306801046245  
 Option 1 ID : 6306804107073  
 Option 2 ID : 6306804107075  
 Option 3 ID : 6306804107076  
 Option 4 ID : 6306804107074  
 Status : Answered  
 Chosen Option : B

Q.73 What is the primary purpose of a boiler feedwater pump in a thermal power plant?

- Ans  A. To provide a constant and controlled flow of water to the boiler  
 B. To circulate cooling water through the condenser and heat exchangers  
 C. To inject chemicals and treatments into the boiler feedwater system  
 D. To regulate steam pressure and flow rate entering the turbine

Question ID : 6306801004418  
 Option 1 ID : 6306803941579  
 Option 2 ID : 6306803941578  
 Option 3 ID : 6306803941580  
 Option 4 ID : 6306803941577  
 Status : Answered  
 Chosen Option : D

Q.74 What should be done right away if a boiler exhibits signs of a water shortage?

- Ans  A. Open the safety valve to release steam  
 B. Add cold water to the boiler quickly  
 C. Increase the fuel supply to maintain pressure  
 D. Shut down the boiler immediately

Question ID : 6306801009881  
 Option 1 ID : 6306803963009  
 Option 2 ID : 6306803963010  
 Option 3 ID : 6306803963007  
 Option 4 ID : 6306803963008  
 Status : Answered  
 Chosen Option : C

Q.75 In a spray condenser, why is high-purity water required for cooling?

- Ans  A. To prevent corrosion of the condenser shell  
 B. To prevent thermal shock in the turbine exhaust  
 C. To prevent scaling and fouling of the cooling tower  
 D. To prevent contamination of the feedwater supply

Question ID : 6306801002364  
 Option 1 ID : 6306803933577  
 Option 2 ID : 6306803933580  
 Option 3 ID : 6306803933578  
 Option 4 ID : 6306803933579  
 Status : Answered  
 Chosen Option : A

Section : Numerical Ability

Q.76 यदि  $(x-2)$ ,  $(x^2 + 3kx - 8k)$  का एक गुणखंड है, तो  $k$  का मान क्या है?

- Ans  A. 1  
 B. 3  
 C. 4  
 D. 2

Question ID : 630680218070  
 Option 1 ID : 630680846187  
 Option 2 ID : 630680846189  
 Option 3 ID : 630680846190  
 Option 4 ID : 630680846188  
 Status : Answered  
 Chosen Option : D

Q.77 वार्षिक साधारण ब्याज की समान दर पर चेतन ₹5400 की राशि का निवेश करता है और विपुल ₹10200 की राशि का निवेश करता है। यदि 5 वर्ष के अंत में, विपुल को चेतन से ₹960 अधिक ब्याज मिलता है, तो वार्षिक ब्याज की दर (प्रतिशत में) ज्ञात कीजिए।

- Ans  A. 3  
 B. 2  
 C. 4  
 D. 6

Question ID : 630680613596  
Option 1 ID : 6306802401119  
Option 2 ID : 6306802401117  
Option 3 ID : 6306802401116  
Option 4 ID : 6306802401118  
Status : Answered  
Chosen Option : C

Q.78 428 और 433 के बीच स्थित अभाज्य संख्याओं की संख्या क्या है?

- Ans  A. 2  
 B. 7  
 C. 4  
 D. 3

Question ID : 630680740967  
Option 1 ID : 6306802904456  
Option 2 ID : 6306802904459  
Option 3 ID : 6306802904457  
Option 4 ID : 6306802904458  
Status : Answered  
Chosen Option : A

Q.79 ₹12975 को S, B और C के बीच इस प्रकार बांटा गया है कि यदि उनके हिस्सों से क्रमशः ₹62, ₹18 और ₹15 की कटौती कर ली जाए, तो उनके पास 2 : 3 : 11 के अनुपात में धनराशि बचती है। S का हिस्सा ज्ञात कीजिए।

- Ans  A. ₹1610  
 B. ₹1560  
 C. ₹1710  
 D. ₹1760

Question ID : 6306801063176  
Option 1 ID : 6306804175063  
Option 2 ID : 6306804175065  
Option 3 ID : 6306804175064  
Option 4 ID : 6306804175066  
Status : Answered  
Chosen Option : C

Q.80 एक शिविर में 54 व्यक्तियों के लिए 15 दिनों का राशन है। यदि शिविर में व्यक्तियों की संख्या बढ़ाकर 90 कर दी जाए, तो वही राशन कितने दिनों में समाप्त हो जाएगा?

- Ans  A. 12  
 B. 9  
 C. 7  
 D. 8

Question ID : 6306801063165  
Option 1 ID : 6306804175022  
Option 2 ID : 6306804175019  
Option 3 ID : 6306804175021  
Option 4 ID : 6306804175020  
Status : Answered  
Chosen Option : B

Q.81 एक नाविक 40 km दूर एक स्थान तक नाव चलाकर 20 घंटे में वापस आता है। उसने पाया कि वह जितने समय में धारा की दिशा में 10 km तक नाव चला सकता है, उतने ही समय में धारा की विपरीत दिशा में 4 km तक नाव चला सकता है। धारा की चाल (km/h में) ज्ञात कीजिए।

- Ans  A. 2.3  
 B. 3.6  
 C. 2.1  
 D. 3.2

Question ID : 630680609395  
Option 1 ID : 6306802386298  
Option 2 ID : 6306802386300  
Option 3 ID : 6306802386297  
Option 4 ID : 6306802386299  
Status : Answered  
Chosen Option : A

Q.82 यदि ₹28700 को 8% वार्षिक ब्याज दर से 2 वर्षों के लिए जमा किया जाता है, तो चक्रवृद्धि ब्याज (वार्षिक रूप से चक्रवृद्धित होने वाला), और साधारण ब्याज के बीच अंतर कितना है?

- Ans
- A. ₹185.92
  - B. ₹176
  - C. ₹193.9
  - D. ₹183.68

Question ID : 630680855831  
 Option 1 ID : 6306803352027  
 Option 2 ID : 6306803352029  
 Option 3 ID : 6306803352028  
 Option 4 ID : 6306803352026  
 Status : Answered  
 Chosen Option : A

Q.83 समानुपात समीकरण (proportion equation)  $57 : 15 :: 19 : x$  में  $x$  का मान ज्ञात कीजिए।

- Ans
- A. 2
  - B. 7
  - C. 4
  - D. 5

Question ID : 630680850426  
 Option 1 ID : 6306803330863  
 Option 2 ID : 6306803330864  
 Option 3 ID : 6306803330862  
 Option 4 ID : 6306803330861  
 Status : Answered  
 Chosen Option : D

Q.84 प्रथम 89 विषम प्राकृत संख्याओं का औसत कितना है?

- Ans
- A. 90
  - B. 88
  - C. 89
  - D. 44.5

Question ID : 630680551963  
 Option 1 ID : 6306802158078  
 Option 2 ID : 6306802158079  
 Option 3 ID : 6306802158077  
 Option 4 ID : 6306802158080  
 Status : Answered  
 Chosen Option : D

Q.85 एक आयत की लंबाई 6% बढ़ाई जाती है और चौड़ाई 7% घटाई जाती है। आयत के क्षेत्रफल में कितना परिवर्तन हुआ?

- Ans
- A. 1.42% की कमी
  - B. 0.42% की वृद्धि
  - C. 0.24% की वृद्धि
  - D. 1.24% की कमी

Question ID : 630680636457  
 Option 1 ID : 6306802491565  
 Option 2 ID : 6306802491562  
 Option 3 ID : 6306802491563  
 Option 4 ID : 6306802491564  
 Status : Answered  
 Chosen Option : A

Q.86 एक वस्तु की सूची-कीमत ₹2000 है और सूची-कीमत पर 10% की छूट प्रदान की जाती है। नेट विक्रय मूल्य को ₹828 तक लाने के लिए ग्राहक को पहले से ही बटुआगत कीमत पर कितने प्रतिशत अतिरिक्त छूट प्रदान की जानी चाहिए?

- Ans
- A. 56
  - B. 57
  - C. 50
  - D. 54

Question ID : 630680802611  
 Option 1 ID : 6306803144603  
 Option 2 ID : 6306803144601  
 Option 3 ID : 6306803144602  
 Option 4 ID : 6306803144600  
 Status : Answered  
 Chosen Option : D

Q.87 एक ठोस घनाभ के तीन आसन्न फलकों का क्षेत्रफल  $96 \text{ cm}^2$ ,  $24 \text{ cm}^2$  और  $144 \text{ cm}^2$  है। घनाभ का आयतन ( $\text{cm}^3$  में) ज्ञात कीजिए।

- Ans
- A. 727
  - B. 631
  - C. 506
  - D. 576

Question ID : 630680837036  
 Option 1 ID : 6306803278874  
 Option 2 ID : 6306803278873  
 Option 3 ID : 6306803278872  
 Option 4 ID : 6306803278871  
 Status : Answered  
 Chosen Option : C

Q.88 अमित ने एक पंखा 15% के लाभ पर बेचा। यदि क्रय मूल्य 8% अधिक होता और विक्रय मूल्य ₹419 अधिक होता, तो 22% का लाभ होता। 20% का लाभ अर्जित करने के लिए अमित को पंखा किस मूल्य पर बेचना चाहिए?

- Ans
- A. ₹2,500
  - B. ₹2,640
  - C. ₹3,000
  - D. ₹2,850

Question ID : 630680615288  
 Option 1 ID : 6306802407826  
 Option 2 ID : 6306802407827  
 Option 3 ID : 6306802407829  
 Option 4 ID : 6306802407828  
 Status : Answered  
 Chosen Option : B

Q.89 एक कार का ओडोमीटर, यात्रा की शुरुआत में 12100 km और यात्रा की अंत में 12460 km प्रदर्शित करता है। यदि यात्रा में 4 घंटे लगे, तो कार की औसत चाल m/sec में ज्ञात कीजिए।

- Ans
- A. 25
  - B. 30
  - C. 33
  - D. 20

Question ID : 6306801063187  
 Option 1 ID : 6306804175107  
 Option 2 ID : 6306804175109  
 Option 3 ID : 6306804175110  
 Option 4 ID : 6306804175108  
 Status : Answered  
 Chosen Option : A

Q.90 दो मित्रों, अजय और अमित, की मासिक आय क्रमशः 5:7 के अनुपात में है और इनमें से प्रत्येक ₹99000 प्रति माह बचाता है। यदि इनके मासिक व्यय का अनुपात 2:3 है, तो अजय की मासिक आय (₹ में) ज्ञात करें।

- Ans
- A. 494000
  - B. 496000
  - C. 495000
  - D. 693000

Question ID : 630680591846  
 Option 1 ID : 6306802315853  
 Option 2 ID : 6306802315852  
 Option 3 ID : 6306802315851  
 Option 4 ID : 6306802315854  
 Status : Answered  
 Chosen Option : B

Section : General Awareness

Q.91 मनुष्यों में X या Y गुणसूत्र की वंशागति के संबंध में, निम्नलिखित कथनों पर विचार कीजिए और सही विकल्प का चयन कीजिए।

- A. पुरुषों और महिलाओं दोनों में एक X और एक Y गुणसूत्र होता है।  
B. बच्चे का लिंग, पिता द्वारा निर्धारित होता है, जिसमें X या Y गुणसूत्र में से कोई एक गुणसूत्र प्राप्त हो सकता है।

- Ans  A. न तो A और न ही B सही है।  
 B. केवल A सही है।  
 C. केवल B सही है।  
 D. A और B दोनों सही हैं।

Question ID : 630680942446  
Option 1 ID : 6306803694266  
Option 2 ID : 6306803694263  
Option 3 ID : 6306803694264  
Option 4 ID : 6306803694265  
Status : Answered  
Chosen Option : C

Q.92 भारतीय संविधान में निम्नलिखित में से किस संशोधन द्वारा सिंधी को आधिकारिक भाषा के रूप में शामिल किया गया था?

- Ans  A. 21<sup>वें</sup> संशोधन  
 B. 42<sup>वें</sup> संशोधन  
 C. 18<sup>वें</sup> संशोधन  
 D. 31<sup>वें</sup> संशोधन

Question ID : 630680962244  
Option 1 ID : 6306803773262  
Option 2 ID : 6306803773264  
Option 3 ID : 6306803773261  
Option 4 ID : 6306803773263  
Status : Answered  
Chosen Option : A

Q.93 \_\_\_\_\_ सतह से हवा में मार करने वाली मिसाइल (SAM), एक कम दूरी की सतह से हवा में मार करने वाली मिसाइल प्रणाली है, जो सुभेद्य क्षेत्रों और सुभेद्य बिंदुओं की हवाई हमलों से रक्षा करती है, जिसे जुलाई 2024 में DRDO द्वारा विकसित किया गया है।

- Ans  A. अर्जुन  
 B. रुद्रम  
 C. आकाश  
 D. शिवालिक

Question ID : 630680946297  
Option 1 ID : 6306803709911  
Option 2 ID : 6306803709910  
Option 3 ID : 6306803709912  
Option 4 ID : 6306803709909  
Status : Answered  
Chosen Option : B

Q.94 'यंग इंडिया (Young India)' समाचार पत्र के संस्थापक निम्नलिखित में से कौन थे?

- Ans  A. महात्मा गांधी  
 B. सुभाष चंद्र बोस  
 C. जवाहरलाल नेहरू  
 D. बाल गंगाधर तिलक

Question ID : 630680962213  
Option 1 ID : 6306803773116  
Option 2 ID : 6306803773113  
Option 3 ID : 6306803773115  
Option 4 ID : 6306803773114  
Status : Answered  
Chosen Option : B

Q.95 भारतीय संविधान में मौलिक कर्तव्यों को किस संशोधन द्वारा शामिल किया गया?

- Ans  A. 61<sup>वें</sup> संशोधन  
 B. 40<sup>वें</sup> संशोधन  
 C. 42<sup>वें</sup> संशोधन  
 D. 52<sup>वें</sup> संशोधन

Question ID : 630680942529  
Option 1 ID : 6306803694561  
Option 2 ID : 6306803694558  
Option 3 ID : 6306803694559  
Option 4 ID : 6306803694560  
Status : Answered  
Chosen Option : C

Q.96 \_\_\_\_\_, 'द ग्रेट इंडियन क्रिकेट सर्कस' पुस्तक के लेखक हैं।

- Ans
- A. अभिषेक मुखर्जी और अनिच दत्ता
  - B. जॉय भट्टाचार्य और सुरेश सावंत
  - C. अनिच दत्ता और सुरेश सावंत
  - D. जॉय भट्टाचार्य और अभिषेक मुखर्जी

Question ID : 630680946553  
 Option 1 ID : 6306803710931  
 Option 2 ID : 6306803710929  
 Option 3 ID : 6306803710932  
 Option 4 ID : 6306803710930  
 Status : Answered  
 Chosen Option : A

Q.97 भारत की जनगणना 2011 के अनुसार, निम्नलिखित में से किस राज्य में सबसे कम महिला साक्षरता दर दर्ज की गई?

- Ans
- A. आंध्र प्रदेश
  - B. झारखंड
  - C. ओडिशा
  - D. बिहार

Question ID : 630680929738  
 Option 1 ID : 6306803643769  
 Option 2 ID : 6306803643770  
 Option 3 ID : 6306803643768  
 Option 4 ID : 6306803643767  
 Status : Answered  
 Chosen Option : D

Q.98 भारतीय संविधान का कौन-सा अनुच्छेद किसी राज्य की कार्यपालक शक्ति की सीमा से संबंधित है?

- Ans
- A. अनुच्छेद 162
  - B. अनुच्छेद 167
  - C. अनुच्छेद 155
  - D. अनुच्छेद 159

Question ID : 630680942595  
 Option 1 ID : 6306803694820  
 Option 2 ID : 6306803694821  
 Option 3 ID : 6306803694818  
 Option 4 ID : 6306803694819  
 Status : Answered  
 Chosen Option : C

Q.99 फरवरी 2024 में, निम्नलिखित में से किस केंद्रीय मंत्री द्वारा 'आत्मनिर्भर तिलहन अभियान' की घोषणा की गई?

- Ans
- A. अमित शाह
  - B. निर्मला सीतारमण
  - C. नितिन जयराम गडकरी
  - D. राजनाथ सिंह

Question ID : 630680943317  
 Option 1 ID : 6306803697648  
 Option 2 ID : 6306803697647  
 Option 3 ID : 6306803697646  
 Option 4 ID : 6306803697645  
 Status : Answered  
 Chosen Option : A

Q.100 भारत के प्रायद्वीपीय पठार के पश्चिम में कौन-सा सागर है?

- Ans
- A. कैरेबियन सागर
  - B. अरब सागर
  - C. अंडमान सागर
  - D. बंगाल की खाड़ी

Question ID : 630680943333  
 Option 1 ID : 6306803697703  
 Option 2 ID : 6306803697702  
 Option 3 ID : 6306803697701  
 Option 4 ID : 6306803697704  
 Status : Answered  
 Chosen Option : B