



# UTTAR PRADESH POWER CORPORATION LTD.

Participant ID	<b>WWW.ALLEXAMREVIEW.COM</b>
Participant Name	
Test Center Name	
Test Date	03/11/2023
Test Time	9:00 AM - 12:00 PM
Subject	Technician Electrical

Section : Computer Knowledge - CCC Level of NIELIT

**Q.1 Which of the following types of memory is made by using capacitors and transistors?**

- Ans  A. ROM  
 B. DRAM  
 C. PROM  
 D. SRAM

Question ID : **630680417952**  
 Option 1 ID : **6306801630553**  
 Option 2 ID : **6306801630552**  
 Option 3 ID : **6306801630554**  
 Option 4 ID : **6306801630551**  
 Status : **Answered**  
 Chosen Option : **B**

**Q.2 Which of the following is the scale of the row-height and the column-width in 'Normal' view of the MS Excel 2007?**

- Ans  A. Milimetre (mm)  
 B. Points (pt)  
 C. Centimetre (cm)  
 D. Inches (in)

Question ID : **630680417971**  
 Option 1 ID : **6306801630630**  
 Option 2 ID : **6306801630627**  
 Option 3 ID : **6306801630629**  
 Option 4 ID : **6306801630628**  
 Status : **Not Attempted and Marked For Review**  
 Chosen Option : **--**

**Q.3 Who developed the 3D printing technology?**

- Ans  A. Charles Babbage  
 B. Charles Hull  
 C. Scott Crump  
 D. Emanuel Sachs

Question ID : 630680417993  
Option 1 ID : 6306801630717  
Option 2 ID : 6306801630715  
Option 3 ID : 6306801630718  
Option 4 ID : 6306801630716  
Status : Answered  
Chosen Option : C

**Q.4 Which of the following statements is correct about 'Slide Sorter' view in MS PowerPoint 2007?**

- Ans  A. The content of a slide changes when it is in 'Slide Sorter' view.  
 B. By default, the 'Slide Sorter' view command is available in Quick Access toolbar.  
 C. The 'Slide Sorter' view is available in the 'Slide Show' tab of the Ribbon.  
 D. In 'Slide Sorter' view, all the slides of a presentation appear as thumbnails.

Question ID : 630680417979  
Option 1 ID : 6306801630662  
Option 2 ID : 6306801630659  
Option 3 ID : 6306801630660  
Option 4 ID : 6306801630661  
Status : Answered  
Chosen Option : D

**Q.5 The appearance and readability of the Word document can be improved by changing the appearance of the text. This is referred to as \_\_\_\_\_.**

- Ans  A. learning  
 B. pasting  
 C. formatting  
 D. copying

Question ID : 630680417961  
Option 1 ID : 6306801630589  
Option 2 ID : 6306801630587  
Option 3 ID : 6306801630590  
Option 4 ID : 6306801630588  
Status : Answered  
Chosen Option : C

**Q.6 The \_\_\_\_\_ payment service works on USSD channel which allows mobile banking transactions using a device like mobile phone.**

- Ans  A. #99\*  
 B. #111\*  
 C. \*99#  
 D. \*190\*

Question ID : 630680417991  
Option 1 ID : 6306801630707  
Option 2 ID : 6306801630709  
Option 3 ID : 6306801630710  
Option 4 ID : 6306801630708  
Status : Answered  
Chosen Option : C

Q.7 Which of the following is the default file name of the first opened Word document?

- Ans  A. Document\_1  
 B. Document\_i  
 C. Document-1  
 D. Document1

Question ID : 630680417959  
Option 1 ID : 6306801630579  
Option 2 ID : 6306801630582  
Option 3 ID : 6306801630581  
Option 4 ID : 6306801630580  
Status : Answered  
Chosen Option : D

Q.8 By default, how many slides appear when a blank presentation is created in MS PowerPoint 2010?

- Ans  A. 1  
 B. 5  
 C. 10  
 D. 2

Question ID : 630680417977  
Option 1 ID : 6306801630651  
Option 2 ID : 6306801630653  
Option 3 ID : 6306801630654  
Option 4 ID : 6306801630652  
Status : Answered  
Chosen Option : A

Q.9 Which of the following statements is/are true about Slide Show in MS PowerPoint 2010?

- (i) F5 key is used to start a presentation from the beginning.  
(ii) F7 key is used to start the presentation from current slide.

- Ans  A. Only (ii)  
 B. Only (i)  
 C. Neither (i) nor (ii)  
 D. Both (i) and (ii)

Question ID : 630680417982  
Option 1 ID : 6306801630672  
Option 2 ID : 6306801630671  
Option 3 ID : 6306801630674  
Option 4 ID : 6306801630673  
Status : Answered  
Chosen Option : B

Q.10 The first web browser was created by \_\_\_\_\_.

- Ans  A. Mozilla Foundation  
 B. Tim Berners-Lee  
 C. Marc Andreessen  
 D. Jacobs

Question ID : 630680417974  
Option 1 ID : 6306801630641  
Option 2 ID : 6306801630640  
Option 3 ID : 6306801630642  
Option 4 ID : 6306801630639  
Status : Answered  
Chosen Option : A

Q.11 In computing, the encrypted data is referred to as \_\_\_\_\_.

- Ans  A. plain text  
 B. ciphertext  
 C. encryption  
 D. decryption

Question ID : 630680417992  
Option 1 ID : 6306801630713  
Option 2 ID : 6306801630714  
Option 3 ID : 6306801630712  
Option 4 ID : 6306801630711  
Status : Answered  
Chosen Option : A

Q.12 Which of the following statements about 'Gutter Position' in MS Word 2007 is/are FALSE?

- (i) The 'Left' is its default value.  
(ii) The 'Left' and 'Top' are its possible values.

- Ans  A. Only (i)  
 B. Only (ii)  
 C. Both (i) and (ii)  
 D. Neither (i) nor (ii)

Question ID : 630680417964  
Option 1 ID : 6306801630599  
Option 2 ID : 6306801630600  
Option 3 ID : 6306801630601  
Option 4 ID : 6306801630602  
Status : Answered  
Chosen Option : D

Q.13 Which of the following statements is INCORRECT about the keys of the keyboard?

- Ans
- A. The Spacebar key is the longest key on the keyboard.
  - B. There are only 10 function keys from F1 to F10 in a keyboard.
  - C. To type a symbol such as '\$', '@', '%', etc., the Shift key is used.
  - D. It contains four arrow keys for moving the cursor.

Question ID : 630680417951  
Option 1 ID : 6306801630550  
Option 2 ID : 6306801630549  
Option 3 ID : 6306801630548  
Option 4 ID : 6306801630547  
Status : Answered  
Chosen Option : B

Q.14 In an MS Excel spreadsheet, pie chart is used to compare data in \_\_\_\_\_.

- Ans
- A. proportion
  - B. numbers
  - C. cubes
  - D. quantity

Question ID : 630680417969  
Option 1 ID : 6306801630620  
Option 2 ID : 6306801630622  
Option 3 ID : 6306801630619  
Option 4 ID : 6306801630621  
Status : Answered  
Chosen Option : A

Q.15 In a computer, the utility programs and operating systems are the examples of \_\_\_\_\_.

- Ans
- A. programming languages
  - B. system software
  - C. application software
  - D. customised software

Question ID : 630680417948  
Option 1 ID : 6306801630538  
Option 2 ID : 6306801630537  
Option 3 ID : 6306801630536  
Option 4 ID : 6306801630535  
Status : Answered  
Chosen Option : B

Q.16 In 1995, JavaScript was created and was initially known as \_\_\_\_\_.

- Ans
- A. Python
  - B. Ruby
  - C. Go
  - D. LiveScript

Question ID : 630680417953  
Option 1 ID : 6306801630557  
Option 2 ID : 6306801630555  
Option 3 ID : 6306801630558  
Option 4 ID : 6306801630556  
Status : Answered  
Chosen Option : B

Q.17 Which of the following is the most common example of 'Wide Area Network'?

- Ans  A. World Wide Web  
 B. Ethernet  
 C. Token ring  
 D. Internet

Question ID : 630680417975  
Option 1 ID : 6306801630646  
Option 2 ID : 6306801630644  
Option 3 ID : 6306801630645  
Option 4 ID : 6306801630643  
Status : Answered  
Chosen Option : D

Q.18 Which of the following tasks is performed when you double-click the left mouse button on a word of a document in MS Word 2010?

- Ans  A. It selects a character.  
 B. It selects a word.  
 C. It selects a paragraph.  
 D. It selects whole text of the document.

Question ID : 630680417962  
Option 1 ID : 6306801630591  
Option 2 ID : 6306801630592  
Option 3 ID : 6306801630593  
Option 4 ID : 6306801630594  
Status : Answered  
Chosen Option : B

Q.19 Which of the following e-commerce business models mainly focuses on selling products or services directly to consumers?

- Ans  A. Business to government (B2G)  
 B. Business to business (B2B)  
 C. Business to consumer (B2C)  
 D. Government to citizen (G2C)

Question ID : 630680417986  
Option 1 ID : 6306801630689  
Option 2 ID : 6306801630688  
Option 3 ID : 6306801630687  
Option 4 ID : 6306801630690  
Status : Answered  
Chosen Option : C

Q.20 Which of the following statements is INVALID about 'Text Alignment' in MS Word 2007?

- Ans  A. There are five alignment options.  
 B. The 'Align Text Left' option aligns the text to the left margin.  
 C. The 'Justify' option aligns the text to both left and right margins and adds extra spaces between words if required.  
 D. The keyboard shortcut Ctrl + E is used to align the text to the center.

Question ID : 630680417963  
Option 1 ID : 6306801630595  
Option 2 ID : 6306801630596  
Option 3 ID : 6306801630598  
Option 4 ID : 6306801630597  
Status : Answered  
Chosen Option : A

Q.21 Which of the following is the file extension of MS PowerPoint 2010 application?

- Ans  A. .jpeg  
 B. .xlsx  
 C. .docx  
 D. .pptx

Question ID : 630680417980  
Option 1 ID : 6306801630665  
Option 2 ID : 6306801630666  
Option 3 ID : 6306801630664  
Option 4 ID : 6306801630663  
Status : Answered  
Chosen Option : D

Q.22 On a QWERTY keyboard, the keys Ctrl, Shift and Alt are known as \_\_\_\_\_ keys.

- Ans  A. alphanumeric  
 B. modifier  
 C. adjustment  
 D. function

Question ID : 630680417950  
Option 1 ID : 6306801630545  
Option 2 ID : 6306801630543  
Option 3 ID : 6306801630546  
Option 4 ID : 6306801630544  
Status : Answered  
Chosen Option : B

Q.23 A/An \_\_\_\_\_ is a motion effect in MS PowerPoint 2010 that occurs as we move from one slide to another.

- Ans  A. Animation  
 B. Transitions  
 C. View  
 D. Effect

Question ID : 630680417981  
Option 1 ID : 6306801630667  
Option 2 ID : 6306801630670  
Option 3 ID : 6306801630669  
Option 4 ID : 6306801630668  
Status : Answered  
Chosen Option : B

Q.24 In Immediate Payment Service (IMPS), online fund transfer service was introduced by \_\_\_\_\_.

- Ans  A. Reserve Bank of India (RBI)  
 B. National Payments Corporation of India (NPCI)  
 C. Neither NCPI nor RBI  
 D. Both NCPI and RBI

Question ID : 630680417989  
Option 1 ID : 6306801630700  
Option 2 ID : 6306801630699  
Option 3 ID : 6306801630702  
Option 4 ID : 6306801630701  
Status : Answered  
Chosen Option : B

Q.25 Which of the following is NOT a possible value of 'Sort by' operation of Windows 10 that may be used to arrange the Desktop items?

- Ans
- A. Item type
  - B. Size
  - C. Creation date
  - D. Name

Question ID : 630680417955  
Option 1 ID : 6306801630565  
Option 2 ID : 6306801630564  
Option 3 ID : 6306801630566  
Option 4 ID : 6306801630563  
Status : Answered  
Chosen Option : A

Q.26 In RPA (Robotic Process Automation), restart and recovery, integration with security system, sending alerts and classification of service types is known as \_\_\_\_\_.

- Ans
- A. None of the given option
  - B. web tasks
  - C. batch data processing
  - D. data handling

Question ID : 630680417996  
Option 1 ID : 6306801630730  
Option 2 ID : 6306801630729  
Option 3 ID : 6306801630728  
Option 4 ID : 6306801630727  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.27 How can you open a slide in 'Normal' view to edit its content when slides of an MS PowerPoint 2007 presentation are in 'Slide Sorter' view?

- Ans
- A. Select that slide thumbnail and then press the 'Alt' key.
  - B. Select that slide thumbnail and then press the 'Enter' key.
  - C. Select that slide thumbnail and then press the 'Ctrl' key.
  - D. Select that slide thumbnail and then press the 'Shift' key.

Question ID : 630680417978  
Option 1 ID : 6306801630657  
Option 2 ID : 6306801630656  
Option 3 ID : 6306801630655  
Option 4 ID : 6306801630658  
Status : Answered  
Chosen Option : B



Q.28 What does QR code stand for?

- Ans
- A. Quick Restore code
  - B. Quick Result code
  - C. Quick Response code
  - D. None of the given option

Question ID : 630680417988  
Option 1 ID : 6306801630695  
Option 2 ID : 6306801630697  
Option 3 ID : 6306801630696  
Option 4 ID : 6306801630698  
Status : Answered  
Chosen Option : C

Q.29 What does gutter margin mean in MS Word 2010?

- Ans
- A. The margin added to the binding side of page while printing.
  - B. The margin added to the bottom of the page while printing.
  - C. The margin added to the right side of the page while printing.
  - D. The margin added to the outside of the page while printing.

Question ID : 630680417966  
Option 1 ID : 6306801630609  
Option 2 ID : 6306801630608  
Option 3 ID : 6306801630610  
Option 4 ID : 6306801630607  
Status : Answered  
Chosen Option : A

Q.30 With respect to Internet connection, DSL stands for \_\_\_\_\_.

- Ans
- A. Digital Subscriber Line
  - B. Digital Service Line
  - C. Data Subscription Line
  - D. Data Subscriber Line

Question ID : 630680417973  
Option 1 ID : 6306801630635  
Option 2 ID : 6306801630638  
Option 3 ID : 6306801630637  
Option 4 ID : 6306801630636  
Status : Answered  
Chosen Option : A

Q.31 In the world of Facebook and Twitter, ESN stand for \_\_\_\_\_.

- Ans
- A. Enterprise Social Networking
  - B. Entrepreneur Special Networking
  - C. Enterprise Special Networking
  - D. Essential Social Networking

Question ID : 630680417985  
Option 1 ID : 6306801630684  
Option 2 ID : 6306801630683  
Option 3 ID : 6306801630686  
Option 4 ID : 6306801630685  
Status : Answered  
Chosen Option : A

Q.32 In December 1977, the first installation of LAN technology was done at \_\_\_\_\_ in New York.

- Ans  A. Chase Manhattan Bank  
 B. NYU Federal Credit Union  
 C. Capital One Bank  
 D. First Republic Bank

Question ID : 630680417976  
Option 1 ID : 6306801630649  
Option 2 ID : 6306801630650  
Option 3 ID : 6306801630648  
Option 4 ID : 6306801630647  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.33 The \_\_\_\_\_ is a temporary holding area the computer uses for any item that has been copied or cut.

- Ans  A. alignment  
 B. auto correct  
 C. indentation  
 D. clipboard

Question ID : 630680417960  
Option 1 ID : 6306801630586  
Option 2 ID : 6306801630584  
Option 3 ID : 6306801630585  
Option 4 ID : 6306801630583  
Status : Answered  
Chosen Option : D

Q.34 Who invented electronic mail in 1971?

- Ans  A. Robert Fulton  
 B. Thomas Edison  
 C. Benjamin Franklin  
 D. Ray Tomlinson

Question ID : 630680417984  
Option 1 ID : 6306801630679  
Option 2 ID : 6306801630680  
Option 3 ID : 6306801630681  
Option 4 ID : 6306801630682  
Status : Answered  
Chosen Option : D

Q.35 Which of the following is NOT an advantage of e-commerce for consumers?

- Ans  A. Wide product availability  
 B. International reach  
 C. Faster buying process  
 D. Lack of touch or feel of products

Question ID : 630680417987  
Option 1 ID : 6306801630691  
Option 2 ID : 6306801630694  
Option 3 ID : 6306801630693  
Option 4 ID : 6306801630692  
Status : Answered  
Chosen Option : D

**Q.36** In mobile device security, a/an \_\_\_\_\_ extends a private network across a public network.

- Ans  A. VPN (Virtual Private Network)
- B. endpoint protection
- C. secure web gateway
- D. email security

Question ID : 630680417995  
Option 1 ID : 6306801630725  
Option 2 ID : 6306801630726  
Option 3 ID : 6306801630723  
Option 4 ID : 6306801630724  
Status : Answered  
Chosen Option : A

**Q.37** In RTGS (Real Time Gross Settlement) transaction, the minimum limit to transfer the amount is \_\_\_\_\_.

- Ans  A. Rs. 200
- B. Rs. 2,00,000
- C. Rs. 2,000
- D. Rs. 20,000

Question ID : 630680417990  
Option 1 ID : 6306801630703  
Option 2 ID : 6306801630706  
Option 3 ID : 6306801630705  
Option 4 ID : 6306801630704  
Status : Answered  
Chosen Option : C

**Q.38** Which of the following keyboard shortcuts opens up the VBA interface in MS Excel 2010?

- Ans  A. Alt + F10
- B. Alt + F11
- C. Alt + F13
- D. Alt + F12

Question ID : 630680417970  
Option 1 ID : 6306801630623  
Option 2 ID : 6306801630624  
Option 3 ID : 6306801630626  
Option 4 ID : 6306801630625  
Status : Answered  
Chosen Option : B

**Q.39** Which of the following are the maximum values for the row-height and the column-width in the MS Excel 2007 on point scale?

- Ans  A. Maximum row-height = 409 and maximum column-width = 200  
 B. Maximum row-height = 409 and maximum column-width = 255  
 C. Maximum row-height = 500 and maximum column-width = 200  
 D. Maximum row-height = 200 and maximum column-width = 255

Question ID : 630680417972

Option 1 ID : 6306801630633

Option 2 ID : 6306801630632

Option 3 ID : 6306801630634

Option 4 ID : 6306801630631

Status : Not Attempted and Marked For Review

Chosen Option : --

**Q.40** A \_\_\_\_\_ is a computer program that can capture, display and manipulate data arranged in rows and columns.

- Ans  A. textbook  
 B. workbook  
 C. numbers  
 D. spreadsheet

Question ID : 630680417968

Option 1 ID : 6306801630617

Option 2 ID : 6306801630615

Option 3 ID : 6306801630618

Option 4 ID : 6306801630616

Status : Answered

Chosen Option : D

**Q.41** Which of the following keyboard shortcuts is used to minimise the windows and show Desktop in Windows 10?

- Ans  A. Windows key + L  
 B. Ctrl + D  
 C. Ctrl + L  
 D. Windows key + D

Question ID : 630680417958

Option 1 ID : 6306801630575

Option 2 ID : 6306801630577

Option 3 ID : 6306801630576

Option 4 ID : 6306801630578

Status : Answered

Chosen Option : D

Q.42 By default, which of the following items does NOT exist on the taskbar of the Windows 10?

- Ans
- A. Start menu
  - B. Recycle Bin
  - C. System clock
  - D. Speaker volume control

Question ID : 630680417956  
Option 1 ID : 6306801630567  
Option 2 ID : 6306801630569  
Option 3 ID : 6306801630568  
Option 4 ID : 6306801630570  
Status : Answered  
Chosen Option : B

Q.43 How can you delete a file permanently from the computer (i.e., the deleted file does NOT get stored in Recycle Bin)?

- Ans
- A. Ctrl + Delete
  - B. Ctrl + Alt + Delete
  - C. Alt + Delete
  - D. Shift + Delete

Question ID : 630680417954  
Option 1 ID : 6306801630560  
Option 2 ID : 6306801630562  
Option 3 ID : 6306801630561  
Option 4 ID : 6306801630559  
Status : Answered  
Chosen Option : D

Q.44 Which of the following digital computers was invented by Howard Aiken?

- Ans
- A. ENIAC
  - B. Harvard Mark I
  - C. Pascaline
  - D. Stepped Reckoner

Question ID : 630680417947  
Option 1 ID : 6306801630533  
Option 2 ID : 6306801630534  
Option 3 ID : 6306801630532  
Option 4 ID : 6306801630531  
Status : Answered  
Chosen Option : B

Q.45 In the \_\_\_\_\_, the users provide commands for selecting from the menu.

- Ans
- A. Graphical User Interface (GUI)
  - B. Voice Recognition Interface (VRI)
  - C. Character User Interface (CUI)
  - D. Mail User Agent (MUA)

Question ID : 630680417957  
Option 1 ID : 6306801630572  
Option 2 ID : 6306801630571  
Option 3 ID : 6306801630573  
Option 4 ID : 6306801630574  
Status : Answered  
Chosen Option : A

**Q.46** Which of the following keyboard shortcuts is used to close the MS Excel application?

- Ans  A. Alt + F3  
 B. Ctrl + F1  
 C. Alt + F4  
 D. Ctrl + C

Question ID : 630680417967  
Option 1 ID : 6306801630614  
Option 2 ID : 6306801630613  
Option 3 ID : 6306801630612  
Option 4 ID : 6306801630611  
Status : Answered  
Chosen Option : C

**Q.47** Which of the following is NOT a tip to boost the security of smartphones?

- Ans  A. Use pin or password to lock your phone.  
 B. Backup your data.  
 C. Turn off Wi-Fi or Bluetooth when not in use.  
 D. Share your personal information online.

Question ID : 630680417994  
Option 1 ID : 6306801630719  
Option 2 ID : 6306801630720  
Option 3 ID : 6306801630721  
Option 4 ID : 6306801630722  
Status : Answered  
Chosen Option : D

**Q.48** Which of the following statements about 'Text Selection' in MS Word 2007 is/are true?

- (i) The entire paragraph is selected by triple-clicking the left mouse button within the paragraph.  
(ii) The entire text in a document is selected by pressing the Ctrl + A.

- Ans  A. Only (i)  
 B. Both (i) and (ii)  
 C. Neither (i) nor (ii)  
 D. Only (ii)

Question ID : 630680417965  
Option 1 ID : 6306801630603  
Option 2 ID : 6306801630605  
Option 3 ID : 6306801630606  
Option 4 ID : 6306801630604  
Status : Answered  
Chosen Option : D

**Q.49** Which of the following TCP/IP protocols is used for transferring electronic mail messages from one machine to another?

- Ans  A. FTP  
 B. SMTP  
 C. SNMP  
 D. RCP

Question ID : 630680417983  
Option 1 ID : 6306801630677  
Option 2 ID : 6306801630678  
Option 3 ID : 6306801630676  
Option 4 ID : 6306801630675  
Status : Answered  
Chosen Option : B

**Q.50** Which of the following features of a computer determines the capacity of CPU to identify different memory locations?

- Ans  A. Size of the data bus  
 B. Size of the address bus  
 C. Bandwidth  
 D. Word-length

Question ID : 630680417949  
Option 1 ID : 6306801630539  
Option 2 ID : 6306801630540  
Option 3 ID : 6306801630542  
Option 4 ID : 6306801630541  
Status : Answered  
Chosen Option : A

Section : General Study & Logical Reasoning

**Q.1** Which of the following states is the sole producer of agate, chalk, and perlite in India?

- Ans  A. Gujarat  
 B. Arunachal Pradesh  
 C. Uttarakhand  
 D. Odisha

Question ID : 630680418003  
Option 1 ID : 6306801630758  
Option 2 ID : 6306801630756  
Option 3 ID : 6306801630757  
Option 4 ID : 6306801630755  
Status : Answered  
Chosen Option : D

Q.2 \_\_\_\_\_ became the first athlete to win a gold medal in Yogasan at the 36th National Games.

- Ans  A. Pooja Patel  
 B. PR Sreejesh  
 C. Harmanpreet Singh  
 D. Shivpal Singh

Question ID : 630680418005  
Option 1 ID : 6306801630765  
Option 2 ID : 6306801630764  
Option 3 ID : 6306801630763  
Option 4 ID : 6306801630766  
Status : Answered  
Chosen Option : A

Q.3 If P is the brother of S and Q and R is the brother of Q, but Q is not the brother of S, how is Q related to S?

- Ans  A. Daughter  
 B. Mother  
 C. Sister  
 D. Father

Question ID : 630680418010  
Option 1 ID : 6306801630783  
Option 2 ID : 6306801630785  
Option 3 ID : 6306801630786  
Option 4 ID : 6306801630784  
Status : Answered  
Chosen Option : C

Q.4 Four terms have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans  A. NPS  
 B. DGJ  
 C. KNQ  
 D. SVY

Question ID : 630680418008  
Option 1 ID : 6306801630777  
Option 2 ID : 6306801630776  
Option 3 ID : 6306801630778  
Option 4 ID : 6306801630775  
Status : Answered  
Chosen Option : A



**Q.5** Select the number from among the given options that can replace the question mark (?) in the following series.

29, 60, 122, 246, 494, ?

- Ans**
- A. 988
  - B. 992
  - C. 994
  - D. 990

Question ID : 630680418015  
Option 1 ID : 6306801630806  
Option 2 ID : 6306801630803  
Option 3 ID : 6306801630805  
Option 4 ID : 6306801630804  
Status : Answered  
Chosen Option : D

**Q.6** In pre-independent India, \_\_\_\_\_ was the first to discuss the concept of a Poverty Line.

- Ans**
- A. Jawaharlal Nehru
  - B. Dadabhai Naoroji
  - C. Dr. B R Ambedkar
  - D. Vallabhbhai Patel

Question ID : 630680418002  
Option 1 ID : 6306801630753  
Option 2 ID : 6306801630751  
Option 3 ID : 6306801630754  
Option 4 ID : 6306801630752  
Status : Answered  
Chosen Option : B

**Q.7** Under extant instructions for NBFC-MFIs, a microfinance borrower is identified by annual household income NOT exceeding \_\_\_\_\_ for rural and \_\_\_\_\_ for urban and semi-urban areas.

- Ans**
- A. Rs. 1,15,000; Rs. 2,20,000
  - B. Rs. 1,20,000; Rs. 2,30,000
  - C. Rs. 1,05,000; Rs. 2,10,000
  - D. Rs. 1,25,000; Rs. 2,00,000

Question ID : 630680418001  
Option 1 ID : 6306801630749  
Option 2 ID : 6306801630750  
Option 3 ID : 6306801630748  
Option 4 ID : 6306801630747  
Status : Answered  
Chosen Option : B

**Q.8** In September 2022, Indian cricketer Sunil Gavaskar was awarded a gold medal and the Honorary Life Membership by the \_\_\_\_\_.

- Ans  A. Indian Twenty 20 Cricket Federation
- B. Sports Journalists Federation of India
- C. Federation of International Cricketers' Associations
- D. International Cricket Council

Question ID : 630680418004  
 Option 1 ID : 6306801630761  
 Option 2 ID : 6306801630760  
 Option 3 ID : 6306801630762  
 Option 4 ID : 6306801630759  
 Status : Answered  
 Chosen Option : C

**Q.9** If '+' means '+', '×' means '-', '+' means '+', and '-' means '×', then, what will come in place of the question mark (?) in the following equation?

$$27 + 9 - 3 + 11 \times 20 = ?$$

- Ans  A. 44
- B. 22
- C. 10
- D. 0

Question ID : 630680418016  
 Option 1 ID : 6306801630808  
 Option 2 ID : 6306801630809  
 Option 3 ID : 6306801630810  
 Option 4 ID : 6306801630807  
 Status : Answered  
 Chosen Option : D

**Q.10** Read the following information carefully and answer the question that follows.

- 'A - B' means 'A is the son of B'.
- 'A × B' means 'A is the father of B'.
- 'A + B' means 'A is the daughter of B'.
- 'A + B' means 'A is the wife of B'.

If the above information is true, how is M related to Q, in the expression 'M + S × P - Q + R'?

- Ans  A. Sister
- B. Father
- C. Brother
- D. Daughter

Question ID : 630680418011  
 Option 1 ID : 6306801630789  
 Option 2 ID : 6306801630787  
 Option 3 ID : 6306801630788  
 Option 4 ID : 6306801630790  
 Status : Answered  
 Chosen Option : A

**Q.11** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

CA\_C\_PC\_PCA\_CAP\_AP

- Ans  A. PAPPC  
 B. APCPA  
 C. PPCAA  
 D. PAAPC

Question ID : 630680418007  
 Option 1 ID : 6306801630771  
 Option 2 ID : 6306801630773  
 Option 3 ID : 6306801630774  
 Option 4 ID : 6306801630772  
 Status : Answered  
 Chosen Option : D

**Q.12** Study the given information carefully and answer the question that follows.

The digits are coded in the form of symbols as shown below:

Digits	6	5	0	2	1	7	4	3	9	8
Code	¥	&	@	€	#	\$	?	α	£	%

Conditions:

- If the first digit is an odd number and last digit is an even number, both are to be coded as β.
- If the first as well as the last digit are even numbers, both are to be coded by the code for the first digit.
- If the first and the last digit are odd numbers, the codes for the first and the last digits are to be interchanged.
- If the first digit is an even number and last digit is an odd number, both are to be coded by the code for the last digit.

What will be the code of '25703'?

- Ans  A. a&S@a  
 B. €S@&a  
 C. €&S@€  
 D. €@&Sa

Question ID : 630680418009  
 Option 1 ID : 6306801630781  
 Option 2 ID : 6306801630782  
 Option 3 ID : 6306801630780  
 Option 4 ID : 6306801630779  
 Status : Answered  
 Chosen Option : A

**Q.13** A citizen is guaranteed protection against conviction for offences by prohibiting double jeopardy or punishment for the same offence more than once under Article \_\_\_\_\_ of the Indian Constitution.

- Ans  A. 10  
 B. 15  
 C. 30  
 D. 20

Question ID : 630680418006  
 Option 1 ID : 6306801630767  
 Option 2 ID : 6306801630768  
 Option 3 ID : 6306801630770  
 Option 4 ID : 6306801630769  
 Status : Answered  
 Chosen Option : B

**Q.14** This question has two words with a certain relationship to each other, and it is followed by four pairs of words. You are required to choose one pair in which the words have the same relationship.

Book : Publisher

- Ans
- A. Thunder : Rain
  - B. Botany : Plants
  - C. Smoke : Pollution
  - D. Film : Director

Question ID : 630680418012  
Option 1 ID : 6306801630792  
Option 2 ID : 6306801630793  
Option 3 ID : 6306801630794  
Option 4 ID : 6306801630791  
Status : Answered  
Chosen Option : D

**Q.15** The Theosophical movement in India was popularised by \_\_\_\_\_.

- Ans
- A. Debendranath Tagore
  - B. Jyotirao Govinda Rao Phule
  - C. Annie Besant
  - D. Henry Vivian Derozio

Question ID : 630680417998  
Option 1 ID : 6306801630736  
Option 2 ID : 6306801630735  
Option 3 ID : 6306801630738  
Option 4 ID : 6306801630737  
Status : Answered  
Chosen Option : C

**Q.16** Ghiyas-ud-din Balban, the most powerful ruler of Slave dynasty ruled from \_\_\_\_\_.

- Ans
- A. 1266 to 1287
  - B. 1287 to 1290
  - C. 1250 to 1280
  - D. 1256 to 1289

Question ID : 630680417997  
Option 1 ID : 6306801630732  
Option 2 ID : 6306801630731  
Option 3 ID : 6306801630734  
Option 4 ID : 6306801630733  
Status : Answered  
Chosen Option : B

**Q.17** From the options given below, match the following dance forms with their respective states:

1. Chakyar kothu	a. Tamil Nadu
2. Khoria	b. Karnataka
3. Karagattam	c. Kerala
4. Dollu Kunita	d. Haryana

- Ans**
- A. 1-c, 2-d, 3-a, 4-b
  - B. 1-b, 2-a, 3-d, 4-c
  - C. 1-b, 2-d, 3-a, 4-c
  - D. 1-d, 2-a, 3-c, 4-b

Question ID : **630680418000**  
 Option 1 ID : **6306801630746**  
 Option 2 ID : **6306801630744**  
 Option 3 ID : **6306801630745**  
 Option 4 ID : **6306801630743**  
 Status : **Answered**  
 Chosen Option : **B**

**Q.18** Four terms have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans**
- A. NPR
  - B. TVX
  - C. CEG
  - D. FIL

Question ID : **630680418014**  
 Option 1 ID : **6306801630802**  
 Option 2 ID : **6306801630799**  
 Option 3 ID : **6306801630801**  
 Option 4 ID : **6306801630800**  
 Status : **Answered**  
 Chosen Option : **D**

**Q.19** On the 93rd birthday of India's most iconic vocal artist Lata Mangeshkar, Penguin Random House India announced the acquisition and publication of her biography titled \_\_\_\_\_.

- Ans**
- A. Lata: An Era in Bollywood
  - B. Lata: A Life in Bollywood
  - C. Lata: An Era in Music
  - D. Lata: A Life in Music

Question ID : **630680417999**  
 Option 1 ID : **6306801630742**  
 Option 2 ID : **6306801630741**  
 Option 3 ID : **6306801630740**  
 Option 4 ID : **6306801630739**  
 Status : **Answered**  
 Chosen Option : **C**

**Q.20** Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster.

BaSe : eDvH :: mOvE : ?

- Ans**
- A. PrYh
  - B. PrYg
  - C. PsYh
  - D. PrZh

Question ID : 630680418013  
 Option 1 ID : 6306801630797  
 Option 2 ID : 6306801630795  
 Option 3 ID : 6306801630796  
 Option 4 ID : 6306801630798  
 Status : Answered  
 Chosen Option : A

Section : General Hindi

**Q.1** 'छेद' का पर्याय है-

- Ans**
- A. गड्ढा
  - B. सुराग
  - C. सूराख
  - D. गाथ

Question ID : 630680418024  
 Option 1 ID : 6306801630839  
 Option 2 ID : 6306801630841  
 Option 3 ID : 6306801630842  
 Option 4 ID : 6306801630840  
 Status : Answered  
 Chosen Option : C

**Q.2** 'पर्यटक' का पर्याय निम्न में से है-

- Ans**
- A. स्थावर
  - B. सैलानी
  - C. अधीर
  - D. जंगम

Question ID : 630680418025  
 Option 1 ID : 6306801630843  
 Option 2 ID : 6306801630845  
 Option 3 ID : 6306801630846  
 Option 4 ID : 6306801630844  
 Status : Answered  
 Chosen Option : B

Q.3 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए-

- Ans  A. दो बार गिरने पर भी उसे कहीं चोट नहीं लगी।  
 B. कहीं चोट नहीं लगी उसे दो बार गिरने पर भी।  
 C. चोट नहीं लगी दो बार गिरने पर भी उसे कहीं।  
 D. कहीं नहीं लगी उसे चोट दो बार गिरने पर भी।

Question ID : 630680418017

Option 1 ID : 6306801630813

Option 2 ID : 6306801630811

Option 3 ID : 6306801630812

Option 4 ID : 6306801630814

Status : Answered

Chosen Option : A

Q.4 निम्न में से कौन-सा विलोम युग्म असुमेलित है।

- Ans  A. आराध्य – असाध्य  
 B. आयात – निर्यात  
 C. आरूढ़ – अनारूढ़  
 D. आरोह – अवरोह

Question ID : 630680418026

Option 1 ID : 6306801630848

Option 2 ID : 6306801630847

Option 3 ID : 6306801630849

Option 4 ID : 6306801630850

Status : Answered

Chosen Option : A

Q.5 तात्कालिक वर्तमान क्रिया पदों से वाक्य पूर्ण करें-  
आज सुबह यहाँ बहुत-सारी चिड़ियाँ चहचहा \_\_\_\_\_।

- Ans  A. रही होगी  
 B. रही थीं  
 C. ती हैं  
 D. रही हैं

Question ID : 630680418020

Option 1 ID : 6306801630824

Option 2 ID : 6306801630826

Option 3 ID : 6306801630825

Option 4 ID : 6306801630823

Status : Answered

Chosen Option : B

Q.6 उचित मुहावरा है-

- Ans  A. ज़बान तलवार की तरह चलना  
 B. ज़बान छुरी की तरह चलना  
 C. ज़बान कैची की तरह चलना  
 D. ज़बान चाकू की तरह चलना

Question ID : 630680418023

Option 1 ID : 6306801630837

Option 2 ID : 6306801630836

Option 3 ID : 6306801630835

Option 4 ID : 6306801630838

Status : Answered

Chosen Option : C

Q.7 सर्वोचित विशेषण शब्द से वाक्य पूर्ण करें—  
उस बालक का चेहरा बड़ा \_\_\_\_\_ था।

- Ans  A. सरल  
 B. सौम्य  
 C. तेजस्वी  
 D. ओजस्वी

Question ID : 630680418021  
Option 1 ID : 6306801630828  
Option 2 ID : 6306801630830  
Option 3 ID : 6306801630829  
Option 4 ID : 6306801630827  
Status : Answered  
Chosen Option : D

Q.8 अपूर्ण भूत क्रिया पदों से वाक्य पूर्ण करें-  
सीता किताब पढ़ \_\_\_\_\_।

- Ans  A. रही थी  
 B. रही होगी  
 C. ती थी  
 D. लेती

Question ID : 630680418019  
Option 1 ID : 6306801630821  
Option 2 ID : 6306801630820  
Option 3 ID : 6306801630819  
Option 4 ID : 6306801630822  
Status : Answered  
Chosen Option : C

Q.9 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए-

- Ans  A. कि इस दरवाजे से निकल सके इतना भर लम्बा है वह।  
 B. निकल सके इस दरवाजे से वह इतना भर लम्बा है कि।  
 C. वह इतना भर लम्बा है कि इस दरवाजे से निकल सके।  
 D. लम्बा भर है वह इतना कि इस दरवाजे से निकल सके।

Question ID : 630680418018  
Option 1 ID : 6306801630817  
Option 2 ID : 6306801630815  
Option 3 ID : 6306801630816  
Option 4 ID : 6306801630818  
Status : Answered  
Chosen Option : C

Q.10 'सारी कमाई खर्च कर देना' के अर्थ में निम्न में से कौन-सा मुहावरा प्रयोग होता है-

- Ans  A. खा-पीकर बराबर करना  
 B. खाये जाना  
 C. खा जाना  
 D. खा-पका जाना

Question ID : 630680418022  
Option 1 ID : 6306801630833  
Option 2 ID : 6306801630834  
Option 3 ID : 6306801630831  
Option 4 ID : 6306801630832  
Status : Answered  
Chosen Option : D



**Comprehension:**

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

20 जुलाई, 1905 में लार्ड कर्जन ने एक आज्ञा जारी करके बंगाल को दो भागों में बांट दिया। तर्क दिया गया कि बंगाल प्रांत इतना बड़ा था कि एक प्रांतीय सरकार द्वारा उसका प्रशासन चला सकना असंभव था। किंतु राष्ट्रवादियों ने इसे बंगाल को क्षेत्रीय और धार्मिक आधार पर बाँटने का प्रयास माना; उन्होंने समझा कि इस प्रकार बंगाल में राष्ट्रवाद को कमजोर और नष्ट करने का प्रयास किया जा रहा है। इसके विरोध में आंदोलन प्रारम्भ हुआ आरंभ में इसके प्रमुखतम नेता सुरेंद्रनाथ बनर्जी और कृष्ण कुमार मित्र जैसे नरमपंथी नेता थे। विभाजन 16 अक्टूबर 1905 को लागू किया गया। इस दिन को बंगाल में शोक दिवस के रूप में मनाने की घोषणा नेताओं ने की। कलकत्ता में हड़ताल हुई। रवींद्रनाथ ठाकुर ने अपना प्रसिद्ध गीत 'अमार सोनार बांग्ला' लिखा जिसे सड़कों पर जलूसों में शामिल जनता गाती थी। बाद में यह गीत बंगलादेश का राष्ट्रगीत बना। स्वदेशी एवं बहिष्कार आंदोलन चलाया गया जिसमें भारतीय वस्तुओं का उपयोग तथा ब्रिटिश वस्तुओं के बहिष्कार के निर्णय लिया गया। आंदोलन में आत्मनिर्भरता या आत्मशक्ति पर जोर दिया गया। देशी उद्योग व अन्य उद्यमों को बढ़ावा दिया गया अनेक कपड़ा मिलें, साबुन और माचिस के कारखाने, हैंडलूम के उद्यम, राष्ट्रीय बैंक और बीमा कंपनियाँ खुलीं। पी.सी. राय ने बंगाल केमिकल्स की स्थापना की। राष्ट्रवादी काव्य, गद्य और पत्रकारिता का विकास हुआ। साहित्यिक, तकनीक की और शारीरिक शिक्षा देने के लिए राष्ट्रीय शैक्षिक संस्थाएँ स्थापित की गईं। सरकार ने छात्रों को दबाने के लिए उनके विशेषाधिकार छीन लिए, छात्रवृत्तियाँ बंद कर दी, नौकरियों से वंचित रखने का निर्णय लिया गया। इसमें सबसे महत्वपूर्ण था आंदोलन में स्त्रियों की भागीदारी। शहरी मध्य वर्ग की महिलाएँ जुलूसों और धरनों में शामिल हुईं।

**SubQuestion No : 11**

Q.11 निम्न में से 'इक' प्रत्यय से निर्मित शब्द नहीं है-

- Ans  A. तकनीक  
 B. शैक्षिक  
 C. शारीरिक  
 D. साहित्यिक

Question ID : 630680418029

Option 1 ID : 6306801630858

Option 2 ID : 6306801630856

Option 3 ID : 6306801630857

Option 4 ID : 6306801630855

Status : Answered

Chosen Option : A

**Comprehension:**

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

20 जुलाई, 1905 में लार्ड कर्जन ने एक आज्ञा जारी करके बंगाल को दो भागों में बांट दिया। तर्क दिया गया कि बंगाल प्रांत इतना बड़ा था कि एक प्रांतीय सरकार द्वारा उसका प्रशासन चला सकना असंभव था। किंतु राष्ट्रवादियों ने इसे बंगाल को क्षेत्रीय और धार्मिक आधार पर बाँटने का प्रयास माना; उन्होंने समझा कि इस प्रकार बंगाल में राष्ट्रवाद को कमजोर और नष्ट करने का प्रयास किया जा रहा है। इसके विरोध में आंदोलन प्रारम्भ हुआ आरंभ में इसके प्रमुखतम नेता सुरेंद्रनाथ बनर्जी और कृष्ण कुमार मित्र जैसे नरमपंथी नेता थे। विभाजन 16 अक्टूबर 1905 को लागू किया गया। इस दिन को बंगाल में शोक दिवस के रूप में मनाने की घोषणा नेताओं ने की। कलकत्ता में हड़ताल हुई। रवींद्रनाथ ठाकुर ने अपना प्रसिद्ध गीत 'अमार सोनार बांग्ला' लिखा जिसे सड़कों पर जलूसों में शामिल जनता गाती थी। बाद में यह गीत बंगलादेश का राष्ट्रगीत बना। स्वदेशी एवं बहिष्कार आंदोलन चलाया गया जिसमें भारतीय वस्तुओं का उपयोग तथा ब्रिटिश वस्तुओं के बहिष्कार के निर्णय लिया गया। आंदोलन में आत्मनिर्भरता या आत्मशक्ति पर जोर दिया गया। देशी उद्योग व अन्य उद्यमों को बढ़ावा दिया गया अनेक कपड़ा मिलें, साबुन और माचिस के कारखाने, हैंडलूम के उद्यम, राष्ट्रीय बैंक और बीमा कंपनियाँ खुलीं। पी.सी. राय ने बंगाल केमिकल्स की स्थापना की। राष्ट्रवादी काव्य, गद्य और पत्रकारिता का विकास हुआ। साहित्यिक, तकनीक की और शारीरिक शिक्षा देने के लिए राष्ट्रीय शैक्षिक संस्थाएँ स्थापित की गईं। सरकार ने छात्रों को दबाने के लिए उनके विशेषाधिकार छीन लिए, छात्रवृत्तियाँ बंद कर दी, नौकरियों से वंचित रखने का निर्णय लिया गया। इसमें सबसे महत्वपूर्ण था आंदोलन में स्त्रियों की भागीदारी। शहरी मध्य वर्ग की महिलाएँ जुलूसों और धरनों में शामिल हुईं।

**SubQuestion No : 12**

**Q.12 गद्यांश का केंद्रीय विषय है-**

- Ans**
- A. बंग-भंग-विरोधी आंदोलन
  - B. राष्ट्रवादी चेतना
  - C. बंगाल विभाजन
  - D. स्वदेशी एवं बहिष्कार आंदोलन

Question ID : **630680418032**

Option 1 ID : **6306801630867**

Option 2 ID : **6306801630870**

Option 3 ID : **6306801630868**

Option 4 ID : **6306801630869**

Status : **Answered**

Chosen Option : **C**

**Comprehension:**

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

20 जुलाई, 1905 में लार्ड कर्जन ने एक आज्ञा जारी करके बंगाल को दो भागों में बांट दिया। तर्क दिया गया कि बंगाल प्रांत इतना बड़ा था कि एक प्रांतीय सरकार द्वारा उसका प्रशासन चला सकना असंभव था। किंतु राष्ट्रवादियों ने इसे बंगाल को क्षेत्रीय और धार्मिक आधार पर बाँटने का प्रयास माना; उन्होंने समझा कि इस प्रकार बंगाल में राष्ट्रवाद को कमजोर और नष्ट करने का प्रयास किया जा रहा है। इसके विरोध में आंदोलन प्रारम्भ हुआ आरंभ में इसके प्रमुखतम नेता सुरेंद्रनाथ बनर्जी और कृष्ण कुमार मित्र जैसे नरमपंथी नेता थे। विभाजन 16 अक्टूबर 1905 को लागू किया गया। इस दिन को बंगाल में शोक दिवस के रूप में मनाने की घोषणा नेताओं ने की। कलकत्ता में हड़ताल हुई। रवींद्रनाथ ठाकुर ने अपना प्रसिद्ध गीत 'अमार सोनार बांग्ला' लिखा जिसे सड़कों पर जलूसों में शामिल जनता गाती थी। बाद में यह गीत बंगलादेश का राष्ट्रगीत बना। स्वदेशी एवं बहिष्कार आंदोलन चलाया गया जिसमें भारतीय वस्तुओं का उपयोग तथा ब्रिटिश वस्तुओं के बहिष्कार के निर्णय लिया गया। आंदोलन में आत्मनिर्भरता या आत्मशक्ति पर जोर दिया गया। देशी उद्योग व अन्य उद्यमों को बढ़ावा दिया गया अनेक कपड़ा मिलें, साबुन और माचिस के कारखाने, हैंडलूम के उद्यम, राष्ट्रीय बैंक और बीमा कंपनियाँ खुलीं। पी.सी. राय ने बंगाल केमिकल्स की स्थापना की। राष्ट्रवादी काव्य, गद्य और पत्रकारिता का विकास हुआ। साहित्यिक, तकनीक की और शारीरिक शिक्षा देने के लिए राष्ट्रीय शैक्षिक संस्थाएँ स्थापित की गईं। सरकार ने छात्रों को दबाने के लिए उनके विशेषाधिकार छीन लिए, छात्रवृत्तियाँ बंद कर दी, नौकरियों से वंचित रखने का निर्णय लिया गया। इसमें सबसे महत्वपूर्ण था आंदोलन में स्त्रियों की भागीदारी। शहरी मध्य वर्ग की महिलाएँ जुलूसों और धरनों में शामिल हुईं।

**SubQuestion No : 13**

**Q.13 बंगाल का विभाजन कब लागू हुआ?**

- Ans**
- A. 18 अक्टूबर, 1905
  - B. 22 जुलाई, 1905
  - C. 20 जुलाई, 1905
  - D. 16 अक्टूबर, 1905

Question ID : 630680418028

Option 1 ID : 6306801630854

Option 2 ID : 6306801630853

Option 3 ID : 6306801630851

Option 4 ID : 6306801630852

Status : Answered

Chosen Option : C

**Comprehension:**

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

20 जुलाई, 1905 में लार्ड कर्जन ने एक आज्ञा जारी करके बंगाल को दो भागों में बांट दिया। तर्क दिया गया कि बंगाल प्रांत इतना बड़ा था कि एक प्रांतीय सरकार द्वारा उसका प्रशासन चला सकना असंभव था। किंतु राष्ट्रवादियों ने इसे बंगाल को क्षेत्रीय और धार्मिक आधार पर बाँटने का प्रयास माना; उन्होंने समझा कि इस प्रकार बंगाल में राष्ट्रवाद को कमजोर और नष्ट करने का प्रयास किया जा रहा है। इसके विरोध में आंदोलन प्रारम्भ हुआ आरंभ में इसके प्रमुखतम नेता सुरेंद्रनाथ बनर्जी और कृष्ण कुमार मित्र जैसे नरमपंथी नेता थे। विभाजन 16 अक्टूबर 1905 को लागू किया गया। इस दिन को बंगाल में शोक दिवस के रूप में मनाने की घोषणा नेताओं ने की। कलकत्ता में हड़ताल हुई। रवींद्रनाथ ठाकुर ने अपना प्रसिद्ध गीत 'अमार सोनार बांग्ला' लिखा जिसे सड़कों पर जलूसों में शामिल जनता गाती थी। बाद में यह गीत बंगलादेश का राष्ट्रगीत बना। स्वदेशी एवं बहिष्कार आंदोलन चलाया गया जिसमें भारतीय वस्तुओं का उपयोग तथा ब्रिटिश वस्तुओं के बहिष्कार के निर्णय लिया गया। आंदोलन में आत्मनिर्भरता या आत्मशक्ति पर जोर दिया गया। देशी उद्योग व अन्य उद्यमों को बढ़ावा दिया गया अनेक कपड़ा मिलें, साबुन और माचिस के कारखाने, हैंडलूम के उद्यम, राष्ट्रीय बैंक और बीमा कंपनियाँ खुलीं। पी.सी. राय ने बंगाल केमिकल्स की स्थापना की। राष्ट्रवादी काव्य, गद्य और पत्रकारिता का विकास हुआ। साहित्यिक, तकनीक की और शारीरिक शिक्षा देने के लिए राष्ट्रीय शैक्षिक संस्थाएँ स्थापित की गईं। सरकार ने छात्रों को दबाने के लिए उनके विशेषाधिकार छीन लिए, छात्रवृत्तियाँ बंद कर दी, नौकरियों से वंचित रखने का निर्णय लिया गया। इसमें सबसे महत्वपूर्ण था आंदोलन में स्त्रियों की भागीदारी। शहरी मध्य वर्ग की महिलाएँ जलूसों और धरनों में शामिल हुईं।

**SubQuestion No : 14**

**Q.14 बंग-भंग विरोधी गतिविधियों के संदर्भ में असत्य है-**

- Ans**  A. रवींद्रनाथ का गीत 'जन-गण-मन' राष्ट्रीय चेतना का प्रतीक बन गया।  
 B. बंग-भंग को लागू किये जाने वाले दिन को शोक दिवस के रूप में मनाया गया।  
 C. सम्पूर्ण कलकत्ता में हड़ताल रखी गई।  
 D. सड़कों पर जनता ने जलूस निकाल कर विरोध प्रदर्शित किया गया।

Question ID : 630680418031

Option 1 ID : 6306801630865

Option 2 ID : 6306801630863

Option 3 ID : 6306801630864

Option 4 ID : 6306801630866

Status : Answered

Chosen Option : A

**Comprehension:**

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

20 जुलाई, 1905 में लार्ड कर्जन ने एक आज़ा जारी करके बंगाल को दो भागों में बांट दिया। तर्क दिया गया कि बंगाल प्रांत इतना बड़ा था कि एक प्रांतीय सरकार द्वारा उसका प्रशासन चला सकना असंभव था। किंतु राष्ट्रवादियों ने इसे बंगाल को क्षेत्रीय और धार्मिक आधार पर बाँटने का प्रयास माना; उन्होंने समझा कि इस प्रकार बंगाल में राष्ट्रवाद को कमज़ोर और नष्ट करने का प्रयास किया जा रहा है। इसके विरोध में आंदोलन प्रारम्भ हुआ आरंभ में इसके प्रमुखतम नेता सुरेंद्रनाथ बनर्जी और कृष्ण कुमार मित्र जैसे नरमपंथी नेता थे। विभाजन 16 अक्टूबर 1905 को लागू किया गया। इस दिन को बंगाल में शोक दिवस के रूप में मनाने की घोषणा नेताओं ने की। कलकत्ता में हड़ताल हुई। रवींद्रनाथ ठाकुर ने अपना प्रसिद्ध गीत 'अमार सोनार बांग्ला' लिखा जिसे सड़कों पर जलूसों में शामिल जनता गाती थी। बाद में यह गीत बंगलादेश का राष्ट्रगीत बना। स्वदेशी एवं बहिष्कार आंदोलन चलाया गया जिसमें भारतीय वस्तुओं का उपयोग तथा ब्रिटिश वस्तुओं के बहिष्कार के निर्णय लिया गया। आंदोलन में आत्मनिर्भरता या आत्मशक्ति पर जोर दिया गया। देशी उद्योग व अन्य उद्यमों को बढ़ावा दिया गया अनेक कपड़ा मिलें, साबुन और माचिस के कारखाने, हैंडलूम के उद्यम, राष्ट्रीय बैंक और बीमा कंपनियाँ खुलीं। पी.सी. राय ने बंगाल केमिकल्स की स्थापना की। राष्ट्रवादी काव्य, गद्य और पत्रकारिता का विकास हुआ। साहित्यिक, तकनीक की और शारीरिक शिक्षा देने के लिए राष्ट्रीय शैक्षिक संस्थाएँ स्थापित की गईं। सरकार ने छात्रों को दबाने के लिए उनके विशेषाधिकार छीन लिए, छात्रवृत्तियाँ बंद कर दी, नौकरियों से वंचित रखने का निर्णय लिया गया। इसमें सबसे महत्वपूर्ण था आंदोलन में स्त्रियों की भागीदारी। शहरी मध्य वर्ग की महिलाएँ जुलूसों और धरनों में शामिल हुईं।

**SubQuestion No : 15**

**Q.15** ब्रिटिश सरकार द्वारा बंगाल विभाजन के पीछे उद्देश्य था-

- Ans  A. आधारभूत संरचना का विकास  
 B. बेहतर प्रशासन देना  
 C. राष्ट्रवाद को कुचलना  
 D. समाज सुधार को बढ़ावा देना

Question ID : 630680418030

Option 1 ID : 6306801630862

Option 2 ID : 6306801630859

Option 3 ID : 6306801630860

Option 4 ID : 6306801630861

Status : Answered

Chosen Option : B

## Section : General English

**Q.1** Select the most appropriate option to fill in the blank.

Geetika swam \_\_\_\_\_ the river in just seven minutes.

- Ans  A. over  
 B. through  
 C. at  
 D. across

Question ID : 630680418033

Option 1 ID : 6306801630871

Option 2 ID : 6306801630873

Option 3 ID : 6306801630874

Option 4 ID : 6306801630872

Status : Answered

Chosen Option : D

**Q.2 Select the most appropriate option to fill in the blank.**

Aarav finished his homework \_\_\_\_\_ so that he could go out to play.

- Ans  A. suddenly  
 B. finally  
 C. loudly  
 D. quickly

Question ID : 630680418035  
Option 1 ID : 6306801630880  
Option 2 ID : 6306801630879  
Option 3 ID : 6306801630881  
Option 4 ID : 6306801630882  
Status : Answered  
Chosen Option : D

**Q.3 Select the most appropriate meaning of the given idiom.**

To take to task

- Ans  A. To ask to complete the work  
 B. To give somebody a job to do  
 C. To work hard on the given task  
 D. To scold somebody for a mistake

Question ID : 630680418040  
Option 1 ID : 6306801630900  
Option 2 ID : 6306801630902  
Option 3 ID : 6306801630901  
Option 4 ID : 6306801630899  
Status : Answered  
Chosen Option : B

**Q.4 Select the sentence with the grammatically correct verb form.**

- Ans  A. Last night, as it rains heavily many trees were uprooted.  
 B. Last night, as it rained heavily many trees will be uprooted.  
 C. Last night, as it is raining heavily many trees were uprooted.  
 D. Last night, as it rained heavily many trees were uprooted.

Question ID : 630680418037  
Option 1 ID : 6306801630887  
Option 2 ID : 6306801630889  
Option 3 ID : 6306801630890  
Option 4 ID : 6306801630888  
Status : Answered  
Chosen Option : D

**Q.5** Select the option that can substitute the underlined segment in the given proverb correctly. If no substitution is required, select 'No substitution required'.

A bird in the hand is worth two in the nest.

- Ans  A. No substitution required
- B. in the bush
- C. on the tree
- D. up in the sky

Question ID : 630680418039  
Option 1 ID : 6306801630898  
Option 2 ID : 6306801630895  
Option 3 ID : 6306801630896  
Option 4 ID : 6306801630897  
Status : Answered  
Chosen Option : A

**Q.6** The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

When my friends / arrive, we / will play cricket.

- Ans  A. arrive, we
- B. No error
- C. will play cricket
- D. When my friends

Question ID : 630680418036  
Option 1 ID : 6306801630884  
Option 2 ID : 6306801630886  
Option 3 ID : 6306801630885  
Option 4 ID : 6306801630883  
Status : Answered  
Chosen Option : A

**Q.7** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- A. The world is filled with wondrous places,  
B. but there are still many far-flung  
C. that few people ever get to see  
D. corners of the globe

- Ans  A. ACBD
- B. ABCD
- C. ABDC
- D. ADCB

Question ID : 630680418041  
Option 1 ID : 6306801630904  
Option 2 ID : 6306801630905  
Option 3 ID : 6306801630906  
Option 4 ID : 6306801630903  
Status : Answered  
Chosen Option : B

Q.8 Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- A. is to carry super-sized cargo ships
- B. through the frozen Arctic ocean in winter
- C. 50 Let Pobedy is a Russian
- D. icebreaker whose primary mission

Ans  A. CBDA  
 B. CDAB  
 C. DACB  
 D. ADBC

Question ID : 630680418042  
Option 1 ID : 6306801630908  
Option 2 ID : 6306801630909  
Option 3 ID : 6306801630910  
Option 4 ID : 6306801630907  
Status : Answered  
Chosen Option : B

Q.9 Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.

Children were so \_\_\_\_\_ (solemn) that they couldn't sit still.

Ans  A. quiet  
 B. thoughtful  
 C. excited  
 D. serious

Question ID : 630680418038  
Option 1 ID : 6306801630894  
Option 2 ID : 6306801630893  
Option 3 ID : 6306801630891  
Option 4 ID : 6306801630892  
Status : Answered  
Chosen Option : A

Q.10 Select the most appropriate option to fill in the blank.

The landlord told his tenants \_\_\_\_\_ the house within a month.

Ans  A. vacated  
 B. to vacate  
 C. vacating  
 D. vacate

Question ID : 630680418034  
Option 1 ID : 6306801630876  
Option 2 ID : 6306801630877  
Option 3 ID : 6306801630878  
Option 4 ID : 6306801630875  
Status : Answered  
Chosen Option : B



**Comprehension:**

Read the given passage and answer the questions that follow.

Flora Fountain, also known as 'Hutatma Chowk' since 1960, is declared as one of India's Heritage structures. Built in 1864, this tourist spot houses India's prestigious fountain, located in the city of Mumbai. The name 'Flora' is derived from the name of the Roman Goddess of Flowers. The Flora Fountain was constructed by the Agri-Horticultural society of Western India. The total construction expense amounted to Rs. 47,000 and Cursetjee Fardoonjee Parekh donated Rs. 20,000 for its construction. The square wall within which the monument is erected is called Hutatma Chowk. This place is also a major hub for commercial activities. Many institutes, such as the famous Bombay University, Bombay Stock Exchange and Gateway of India border the Flora fountain, in addition to other interesting places. Apart from sight-seeing, one can also spend time shopping for local delights in this place. The fountain is illumined at night and offers the most exquisite view to tourists.

The Flora Fountain was initially named after the Governor of Bombay, Sir Bartle Frere, but just before the fountain's inauguration in 1864, the name 'Flora' was bestowed on it. The Flora Fountain is erected in the same place where the original Churchgate of Bombay Fort once stood. The fountain was later known as 'Martyr's Square' or 'Hutatma Chowk' in 1960, to honor the 105 members of the 'Samyuktha Maharashtra Samiti', who lost their lives while fighting for a separate Maharashtrian state.

The structure of the fountain was designed by R Norman Shaw. The Flora Fountain is sculpted from Portland stone and is coated with white oil paint. James Forsythe, an engineer, was the one who sculpted this monument. A magnificent statue of the Roman Goddess is installed at the top of the structure, which makes the fountain edifice even more beautiful.

**SubQuestion No : 11**

**Q.11 Which statement is NOT true about the Flora Fountain?**

- Ans**
- A. The Flora Fountain was constructed by the Agri-Horticultural society of Western India.
  - B. A magnificent statue of the Roman Goddess named Flora is installed at the top of the Flora Fountain.
  - C. The Fountain was named Flora Fountain In 1960.
  - D. James Forsythe, an engineer, was the sculptor of the Flora Fountain.

Question ID : 630680418048

Option 1 ID : 6306801630927

Option 2 ID : 6306801630930

Option 3 ID : 6306801630929

Option 4 ID : 6306801630928

Status : Answered

Chosen Option : C

**Comprehension:**

Read the given passage and answer the questions that follow.

Flora Fountain, also known as 'Hutatma Chowk' since 1960, is declared as one of India's Heritage structures. Built in 1864, this tourist spot houses India's prestigious fountain, located in the city of Mumbai. The name 'Flora' is derived from the name of the Roman Goddess of Flowers. The Flora Fountain was constructed by the Agri-Horticultural society of Western India. The total construction expense amounted to Rs. 47,000 and Cursetjee Fardoonjee Parekh donated Rs. 20,000 for its construction. The square wall within which the monument is erected is called Hutatma Chowk. This place is also a major hub for commercial activities. Many institutes, such as the famous Bombay University, Bombay Stock Exchange and Gateway of India border the Flora fountain, in addition to other interesting places. Apart from sight-seeing, one can also spend time shopping for local delights in this place. The fountain is illumined at night and offers the most exquisite view to tourists.

The Flora Fountain was initially named after the Governor of Bombay, Sir Bartle Frere, but just before the fountain's inauguration in 1864, the name 'Flora' was bestowed on it. The Flora Fountain is erected in the same place where the original Churchgate of Bombay Fort once stood. The fountain was later known as 'Martyr's Square' or 'Hutatma Chowk' in 1960, to honor the 105 members of the 'Samyuktha Maharashtra Samiti', who lost their lives while fighting for a separate Maharashtrian state.

The structure of the fountain was designed by R Norman Shaw. The Flora Fountain is sculpted from Portland stone and is coated with white oil paint. James Forsythe, an engineer, was the one who sculpted this monument. A magnificent statue of the Roman Goddess is installed at the top of the structure, which makes the fountain edifice even more beautiful.

**SubQuestion No : 12**

**Q.12 Match the columns.**

List 1	List 2
a. Hutatma	1. Stone used for sculpting the Flora Fountain
b. Flora	2. Martyr
c. Portland	3. Roman goddess of flowers

Ans  A. a-2, b-3, c-1

B. a -3, b-1, c-2

C. a-2, b-1, c-3

D. a-1, b-3, c-2

Question ID : 630680418046

Option 1 ID : 6306801630919

Option 2 ID : 6306801630920

Option 3 ID : 6306801630922

Option 4 ID : 6306801630921

Status : Answered

Chosen Option : A

**Comprehension:**

Read the given passage and answer the questions that follow.

Flora Fountain, also known as 'Hutatma Chowk' since 1960, is declared as one of India's Heritage structures. Built in 1864, this tourist spot houses India's prestigious fountain, located in the city of Mumbai. The name 'Flora' is derived from the name of the Roman Goddess of Flowers. The Flora Fountain was constructed by the Agri-Horticultural society of Western India. The total construction expense amounted to Rs. 47,000 and Cursetjee Fardoonjee Parekh donated Rs. 20,000 for its construction. The square wall within which the monument is erected is called Hutatma Chowk. This place is also a major hub for commercial activities. Many institutes, such as the famous Bombay University, Bombay Stock Exchange and Gateway of India border the Flora fountain, in addition to other interesting places. Apart from sight-seeing, one can also spend time shopping for local delights in this place. The fountain is illuminated at night and offers the most exquisite view to tourists.

The Flora Fountain was initially named after the Governor of Bombay, Sir Bartle Frere, but just before the fountain's inauguration in 1864, the name 'Flora' was bestowed on it. The Flora Fountain is erected in the same place where the original Churchgate of Bombay Fort once stood. The fountain was later known as 'Martyr's Square' or 'Hutatma Chowk' in 1960, to honor the 105 members of the 'Samyuktha Maharashtra Samiti', who lost their lives while fighting for a separate Maharashtrian state.

The structure of the fountain was designed by R Norman Shaw. The Flora Fountain is sculpted from Portland stone and is coated with white oil paint. James Forsythe, an engineer, was the one who sculpted this monument. A magnificent statue of the Roman Goddess is installed at the top of the structure, which makes the fountain edifice even more beautiful.

**SubQuestion No : 13**

**Q.13 Which of the following does NOT border the Flora Fountain?**

- Ans
- A. Gateway of India
  - B. Bombay Stock Exchange
  - C. Bombay University
  - D. Churchgate

Question ID : 630680418047

Option 1 ID : 6306801630924

Option 2 ID : 6306801630923

Option 3 ID : 6306801630926

Option 4 ID : 6306801630925

Status : Answered

Chosen Option : D

**Comprehension:**

Read the given passage and answer the questions that follow.

Flora Fountain, also known as 'Hutatma Chowk' since 1960, is declared as one of India's Heritage structures. Built in 1864, this tourist spot houses India's prestigious fountain, located in the city of Mumbai. The name 'Flora' is derived from the name of the Roman Goddess of Flowers. The Flora Fountain was constructed by the Agri-Horticultural society of Western India. The total construction expense amounted to Rs. 47,000 and Cursetjee Fardoonjee Parekh donated Rs. 20,000 for its construction. The square wall within which the monument is erected is called Hutatma Chowk. This place is also a major hub for commercial activities. Many institutes, such as the famous Bombay University, Bombay Stock Exchange and Gateway of India border the Flora fountain, in addition to other interesting places. Apart from sight-seeing, one can also spend time shopping for local delights in this place. The fountain is illumined at night and offers the most exquisite view to tourists.

The Flora Fountain was initially named after the Governor of Bombay, Sir Bartle Frere, but just before the fountain's inauguration in 1864, the name 'Flora' was bestowed on it. The Flora Fountain is erected in the same place where the original Churchgate of Bombay Fort once stood. The fountain was later known as 'Martyr's Square' or 'Hutatma Chowk' in 1960, to honor the 105 members of the 'Samyuktha Maharashtra Samiti', who lost their lives while fighting for a separate Maharashtrian state.

The structure of the fountain was designed by R Norman Shaw. The Flora Fountain is sculpted from Portland stone and is coated with white oil paint. James Forsythe, an engineer, was the one who sculpted this monument. A magnificent statue of the Roman Goddess is installed at the top of the structure, which makes the fountain edifice even more beautiful.

**SubQuestion No : 14**

**Q.14** The given passage is a:

- Ans
- A. press release
  - B. news item
  - C. survey report
  - D. short article

Question ID : 630680418044

Option 1 ID : 6306801630914

Option 2 ID : 6306801630912

Option 3 ID : 6306801630913

Option 4 ID : 6306801630911

Status : Answered

Chosen Option : D

**Comprehension:**

Read the given passage and answer the questions that follow.

Flora Fountain, also known as 'Hutatma Chowk' since 1960, is declared as one of India's Heritage structures. Built in 1864, this tourist spot houses India's prestigious fountain, located in the city of Mumbai. The name 'Flora' is derived from the name of the Roman Goddess of Flowers. The Flora Fountain was constructed by the Agri-Horticultural society of Western India. The total construction expense amounted to Rs. 47,000 and Cursetjee Fardoonjee Parekh donated Rs. 20,000 for its construction. The square wall within which the monument is erected is called Hutatma Chowk. This place is also a major hub for commercial activities. Many institutes, such as the famous Bombay University, Bombay Stock Exchange and Gateway of India border the Flora fountain, in addition to other interesting places. Apart from sight-seeing, one can also spend time shopping for local delights in this place. The fountain is illuminated at night and offers the most exquisite view to tourists.

The Flora Fountain was initially named after the Governor of Bombay, Sir Bartle Frere, but just before the fountain's inauguration in 1864, the name 'Flora' was bestowed on it. The Flora Fountain is erected in the same place where the original Churchgate of Bombay Fort once stood. The fountain was later known as 'Martyr's Square' or 'Hutatma Chowk' in 1960, to honor the 105 members of the 'Samyuktha Maharashtra Samiti', who lost their lives while fighting for a separate Maharashtrian state.

The structure of the fountain was designed by R Norman Shaw. The Flora Fountain is sculpted from Portland stone and is coated with white oil paint. James Forsythe, an engineer, was the one who sculpted this monument. A magnificent statue of the Roman Goddess is installed at the top of the structure, which makes the fountain edifice even more beautiful.

**SubQuestion No : 15**

**Q.15 Who was the designer of the Flora Fountain?**

Ans  A. R Norman Shaw

B. Cursetjee Fardoonjee

C. Sir Bartle Frere

D. James Forsythe

Question ID : 630680418045

Option 1 ID : 6306801630916

Option 2 ID : 6306801630918

Option 3 ID : 6306801630917

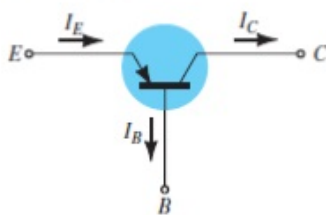
Option 4 ID : 6306801630915

Status : Answered

Chosen Option : D

## Section : Domain Knowledge

**Q.1 The given transistor is:**



Ans  A. PNP

B. NNP

C. NPN

D. PPN

Question ID : 630680418101

Option 1 ID : 6306801631139

Option 2 ID : 6306801631141

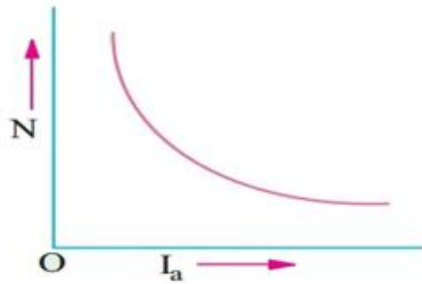
Option 3 ID : 6306801631140

Option 4 ID : 6306801631142

Status : Answered

Chosen Option : A

Q.2 The following figure represents the characteristic of a:  
(Where  $N$  is speed,  $I_a$  is armature current)



- Ans
- A. DC shunt motor
  - B. DC compound motor
  - C. DC separately excited motor
  - D. DC series motor

Question ID : 630680418145

Option 1 ID : 6306801631315

Option 2 ID : 6306801631318

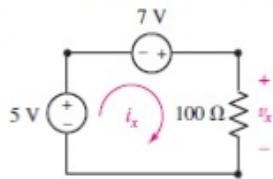
Option 3 ID : 6306801631317

Option 4 ID : 6306801631316

Status : Answered

Chosen Option : D

Q.3 The value of  $I_x$  in the given circuit is:



- Ans
- A. 12 mA
  - B. 1.2 mA
  - C. 120 mA
  - D. 0.12 mA

Question ID : 630680418079

Option 1 ID : 6306801631052

Option 2 ID : 6306801631053

Option 3 ID : 6306801631051

Option 4 ID : 6306801631054

Status : Answered

Chosen Option : C

Q.4 What type of device is MOSFET?

- Ans
- A. Voltage controlled
  - B. Humidity controlled
  - C. Thermal controlled
  - D. Current controlled

Question ID : 630680418097  
Option 1 ID : 6306801631123  
Option 2 ID : 6306801631125  
Option 3 ID : 6306801631126  
Option 4 ID : 6306801631124  
Status : Answered  
Chosen Option : A

Q.5 Which of the following is NOT an operating characteristic of a DC motor?

- Ans
- A. Field voltage-armature current
  - B. Speed-armature current
  - C. Torque-armature current
  - D. Speed-torque

Question ID : 630680418143  
Option 1 ID : 6306801631310  
Option 2 ID : 6306801631307  
Option 3 ID : 6306801631308  
Option 4 ID : 6306801631309  
Status : Answered  
Chosen Option : A

Q.6 The name of the system used for dimming of the lamps is:

- Ans
- A. ADLI
  - B. DALI
  - C. LIDA
  - D. ILDA

Question ID : 630680418188  
Option 1 ID : 6306801631488  
Option 2 ID : 6306801631489  
Option 3 ID : 6306801631487  
Option 4 ID : 6306801631490  
Status : Answered  
Chosen Option : D

Q.7 Identify the correct version of the following function.  $V_1 = V_m \sin(5t + 100^\circ)$

- Ans  A.  $V_1 = V_m \cos(5t + 100^\circ)$   
 B.  $V_1 = V_m \cos(5t + 100^\circ)$   
 C.  $V_1 = V_m \cos(5t - 10^\circ)$   
 D.  $V_1 = V_m \cos(5t - 100^\circ)$

Question ID : 630680418161

Option 1 ID : 6306801631379

Option 2 ID : 6306801631380

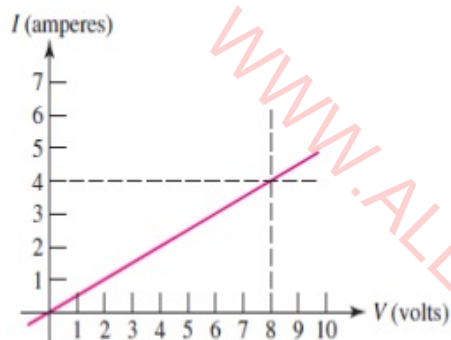
Option 3 ID : 6306801631381

Option 4 ID : 6306801631382

Status : Answered

Chosen Option : A

Q.8 The value of conductance from the given graph is:



- Ans  A. 1/16 S  
 B. 1/4 S  
 C. 1/8 S  
 D. 1/2 S

Question ID : 630680418068

Option 1 ID : 6306801631010

Option 2 ID : 6306801631008

Option 3 ID : 6306801631009

Option 4 ID : 6306801631007

Status : Answered

Chosen Option : D

Q.9 What is the value of voltage across the resistor of  $200 \Omega$  from which the current flowing is of value  $10\sin 44t$  mA?

- Ans  A.  $200\sin 44t$  V  
 B.  $20\sin 44t$  V  
 C.  $2\sin 44t$  V  
 D.  $2000\sin 44t$  V

Question ID : 630680418071

Option 1 ID : 6306801631021

Option 2 ID : 6306801631019

Option 3 ID : 6306801631020

Option 4 ID : 6306801631022

Status : Answered

Chosen Option : D



**Q.10** A 250 V DC generator supplies 8 kW at a terminal voltage of 230 V. The armature resistance is 0.6 ohm. The value of armature current is:

- Ans**
- A. 34.78 A
  - B. 3.478 A
  - C. 0.3478 A
  - D. 347.8 A

Question ID : **630680418137**  
Option 1 ID : **6306801631284**  
Option 2 ID : **6306801631283**  
Option 3 ID : **6306801631285**  
Option 4 ID : **6306801631286**  
Status : **Answered**  
Chosen Option : **A**

**Q.11** For a three-phase induction motor, the value of slip, if it is not running, is:

- Ans**
- A. 2
  - B. 0
  - C. 1
  - D. -1

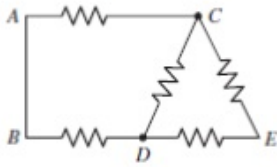
Question ID : **630680418197**  
Option 1 ID : **6306801631525**  
Option 2 ID : **6306801631523**  
Option 3 ID : **6306801631524**  
Option 4 ID : **6306801631526**  
Status : **Answered**  
Chosen Option : **C**

**Q.12** Which of the following is NOT a charging method used for battery charging?

- Ans**
- A. DC supply charging
  - B. Thermal charging
  - C. Solar charging
  - D. AC supply charging

Question ID : **630680418105**  
Option 1 ID : **6306801631156**  
Option 2 ID : **6306801631158**  
Option 3 ID : **6306801631155**  
Option 4 ID : **6306801631157**  
Status : **Answered**  
Chosen Option : **B**

Q.13 How many branches are in the given circuit?



- Ans
- A. 11
  - B. 07
  - C. 09
  - D. 05

Question ID : 630680418083

Option 1 ID : 6306801631070

Option 2 ID : 6306801631068

Option 3 ID : 6306801631067

Option 4 ID : 6306801631069

Status : Answered

Chosen Option : C

Q.14 The mass number of nucleus of an atom is the sum of:

- Ans
- A. protons and neutrons
  - B. electrons and protons
  - C. protons and bosons
  - D. neutrons and bosons

Question ID : 630680418052

Option 1 ID : 6306801630943

Option 2 ID : 6306801630944

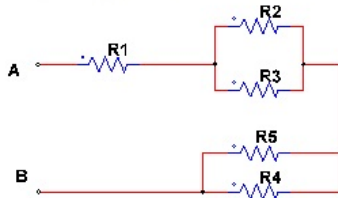
Option 3 ID : 6306801630946

Option 4 ID : 6306801630945

Status : Answered

Chosen Option : A

Q.15 The value of equivalent resistance between points A and B in the following circuit is:



where  $R_1 = R_4 = R_5 = 5 \Omega$

$R_2 = R_3 = 2 \Omega$

- Ans
- A.  $850 \Omega$
  - B.  $85 \Omega$
  - C.  $0.85 \Omega$
  - D.  $8.5 \Omega$

Question ID : 630680418073

Option 1 ID : 6306801631030

Option 2 ID : 6306801631027

Option 3 ID : 6306801631029

Option 4 ID : 6306801631028

Status : Answered

Chosen Option : D

Q.16 Which of the following is the unit of electric current?

- Ans
- A. Coulomb
  - B. Second
  - C. Second / coulomb
  - D. Coulomb / second

Question ID : 630680418056

Option 1 ID : 6306801630959

Option 2 ID : 6306801630962

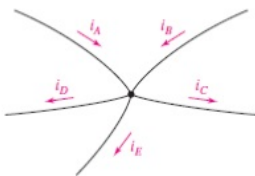
Option 3 ID : 6306801630960

Option 4 ID : 6306801630961

Status : Answered

Chosen Option : D

Q.17 In the following diagram, what is the value of  $i_B$ , if  $i_A = 1$ ,  $i_D = -2$  A,  $i_C = 3$  A,  $i_E = 0$



- Ans
- A. 5 A
  - B. 3 A
  - C. 0 A
  - D. 7 A

Question ID : 630680418084

Option 1 ID : 6306801631071

Option 2 ID : 6306801631072

Option 3 ID : 6306801631073

Option 4 ID : 6306801631074

Status : Answered

Chosen Option : C

Q.18 In the brazing process, which of the following is correct:

- Ans
- A. Both the parent metal and the filler metal melt.
  - B. Only the filler metal melts.
  - C. Neither the parent metal nor the filler metal melts.
  - D. Only the parent metal melts.

Question ID : 630680418060  
Option 1 ID : 6306801630975  
Option 2 ID : 6306801630977  
Option 3 ID : 6306801630978  
Option 4 ID : 6306801630976  
Status : Answered  
Chosen Option : A

Q.19 The instrument used to measure current is:

- Ans
- A. voltmeter
  - B. kilowatt-hour meter
  - C. wattmeter
  - D. ammeter

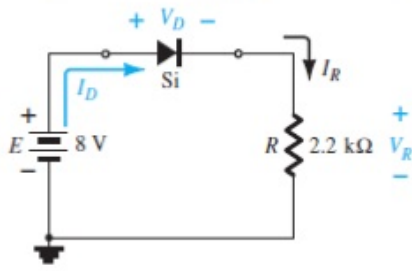
Question ID : 630680418181  
Option 1 ID : 6306801631461  
Option 2 ID : 6306801631460  
Option 3 ID : 6306801631462  
Option 4 ID : 6306801631459  
Status : Answered  
Chosen Option : D

Q.20 Which of the following quantities in a magnetic circuit is analogous to EMF in an electric circuit?

- Ans
- A. Permeance
  - B. MMF
  - C. Flux density
  - D. Reluctance

Question ID : 630680418111  
Option 1 ID : 6306801631179  
Option 2 ID : 6306801631182  
Option 3 ID : 6306801631181  
Option 4 ID : 6306801631180  
Status : Answered  
Chosen Option : B

Q.21 What is the value of  $V_D$  in the given circuit?



- Ans
- A. 0.7 V
  - B. 7.3 V
  - C. 3.6 V
  - D. 10 V

Question ID : 630680418094

Option 1 ID : 6306801631113

Option 2 ID : 6306801631111

Option 3 ID : 6306801631112

Option 4 ID : 6306801631114

Status : Answered

Chosen Option : A

Q.22 Mica is categorised as:

- Ans
- A. solid conducting material
  - B. liquid insulating material
  - C. gas insulating material
  - D. solid insulating material

Question ID : 630680418152

Option 1 ID : 6306801631346

Option 2 ID : 6306801631344

Option 3 ID : 6306801631345

Option 4 ID : 6306801631343

Status : Answered

Chosen Option : D

Q.23 What type of device is IGBT?

- Ans
- A. Semi controlled
  - B. Humid controlled
  - C. Uncontrolled
  - D. Fully controlled

Question ID : 630680418099

Option 1 ID : 6306801631131

Option 2 ID : 6306801631134

Option 3 ID : 6306801631133

Option 4 ID : 6306801631132

Status : Answered

Chosen Option : A

Q.24 The voltage grade of heavy-duty PVC power cable is:

- Ans
- A. 1000/3000 V
  - B. 700/1200 V
  - C. 650/1100 V
  - D. 550/1000 V

Question ID : 630680418065

Option 1 ID : 6306801630998

Option 2 ID : 6306801630997

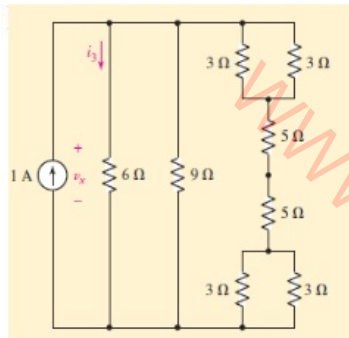
Option 3 ID : 6306801630995

Option 4 ID : 6306801630996

Status : Answered

Chosen Option : A

Q.25 The value of equivalent resistance across the terminals of the current source is:



- Ans
- A. 28.19  $\Omega$
  - B. 281.9  $\Omega$
  - C. 2.819  $\Omega$
  - D. 0.2819  $\Omega$

Question ID : 630680418077

Option 1 ID : 6306801631043

Option 2 ID : 6306801631045

Option 3 ID : 6306801631044

Option 4 ID : 6306801631046

Status : Answered

Chosen Option : C

Q.26 Which of the following is the INCORRECT relation as per Ohm's law, if V is the voltage and I is the current through resistor R?

- Ans
- A.  $R = IV$
  - B.  $R = V / I$
  - C.  $I = V / R$
  - D.  $V = IR$

Question ID : 630680418067

Option 1 ID : 6306801631006

Option 2 ID : 6306801631005

Option 3 ID : 6306801631003

Option 4 ID : 6306801631004

Status : Answered

Chosen Option : A

Q.27 The injury common in welding is:

- Ans
- A. clotting
  - B. burns
  - C. shock
  - D. bleeding

Question ID : 630680418050

Option 1 ID : 6306801630938

Option 2 ID : 6306801630935

Option 3 ID : 6306801630936

Option 4 ID : 6306801630937

Status : Answered

Chosen Option : B

Q.28 The condition for maximum efficiency of the transformer at a load is:

- Ans
- A. Copper loss = 1 / Core loss
  - B. Copper loss = (core loss)<sup>2</sup>
  - C. Copper loss + core loss = 0
  - D. Copper loss = core loss

Question ID : 630680418179

Option 1 ID : 6306801631453

Option 2 ID : 6306801631454

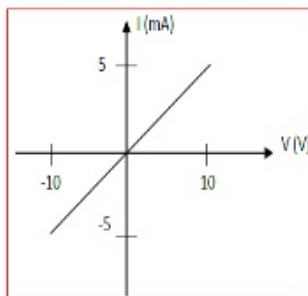
Option 3 ID : 6306801631451

Option 4 ID : 6306801631452

Status : Answered

Chosen Option : D

Q.29 निम्न दिए गए ग्राफ से चालकत्व का मान ज्ञात कीजिए?



- Ans
- A. 1/20 S
  - B. 1/20 kS
  - C. 1/2 S
  - D. 1/2 kS

Question ID : 630680418072

Option 1 ID : 6306801631025

Option 2 ID : 6306801631026

Option 3 ID : 6306801631024

Option 4 ID : 6306801631023

Status : Answered

Chosen Option : D

Q.30 Which of the following is the method of house wiring?

- Ans
- A. Central system
  - B. Joint box or tree system
  - C. Banana system
  - D. Fuse system

Question ID : 630680418157  
Option 1 ID : 6306801631366  
Option 2 ID : 6306801631365  
Option 3 ID : 6306801631363  
Option 4 ID : 6306801631364  
Status : Answered  
Chosen Option : B

Q.31 Full charging of lead acid cells can be judged from:

- Ans
- A. hydroling
  - B. gassing
  - C. fuming
  - D. imaging

Question ID : 630680418106  
Option 1 ID : 6306801631162  
Option 2 ID : 6306801631159  
Option 3 ID : 6306801631160  
Option 4 ID : 6306801631161  
Status : Answered  
Chosen Option : B

Q.32 In which of the following tests are two identical single-phase transformers used?

- Ans
- A. Open circuit test
  - B. Sumpner's test
  - C. Ward Leonard test
  - D. Short circuit Test

Question ID : 630680418177  
Option 1 ID : 6306801631445  
Option 2 ID : 6306801631444  
Option 3 ID : 6306801631443  
Option 4 ID : 6306801631446  
Status : Answered  
Chosen Option : B



**Q.33** The correct definition of magnetic flux is:

- Ans  A. the total number of lines of force surrounding a magnet  
 B. the total number of lines of force not surrounding a magnet  
 C. the total number of current flowing in a magnet  
 D. the total number of lines having no link with a magnet

Question ID : 630680418108

Option 1 ID : 6306801631167

Option 2 ID : 6306801631169

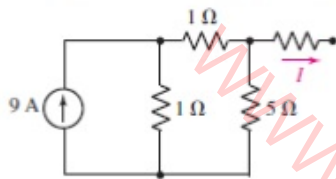
Option 3 ID : 6306801631168

Option 4 ID : 6306801631170

Status : Answered

Chosen Option : A

**Q.34** What is the value of I in the given circuit?



- Ans  A. 0 A  
 B. 4 A  
 C. 6 A  
 D. 9 A

Question ID : 630680418085

Option 1 ID : 6306801631076

Option 2 ID : 6306801631077

Option 3 ID : 6306801631078

Option 4 ID : 6306801631075

Status : Answered

Chosen Option : A

**Q.35** In a DC machine, if  $Y_b$  denotes the back pitch of the winding and  $Y_f$  front pitch of the winding, in lap winding; the two ends of a coil are connected across adjacent commutator segments, then the correct relation for commutator pitch  $Y_c$  for retrogressive winding is:

- Ans  A.  $>1$   
 B. 1  
 C.  $<1$   
 D.  $-1$

Question ID : 630680418130

Option 1 ID : 6306801631257

Option 2 ID : 6306801631255

Option 3 ID : 6306801631258

Option 4 ID : 6306801631256

Status : Answered

Chosen Option : D

Q.36 Cove 'lighting' is used in:

- Ans  A. false ceiling lights  
 B. streetlights  
 C. stadium lights  
 D. normal CFL lights

Question ID : 630680418128

Option 1 ID : 6306801631247

Option 2 ID : 6306801631249

Option 3 ID : 6306801631250

Option 4 ID : 6306801631248

Status : Answered

Chosen Option : A

Q.37 The magnetising characteristic of a DC compound motor is plotted between:

- Ans  A. flux vs. field current  
 B. armature current vs. field current  
 C. flux vs. armature current  
 D. flux vs. armature voltage

Question ID : 630680418146

Option 1 ID : 6306801631320

Option 2 ID : 6306801631319

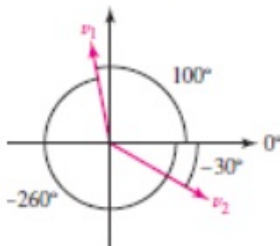
Option 3 ID : 6306801631321

Option 4 ID : 6306801631322

Status : Answered

Chosen Option : A

Q.38 The correct statement about the following vector diagram is:



- Ans  A. V2 leads V1 by 70°  
 B. V2 leads V1 by 130°  
 C. V1 leads V2 by 70°  
 D. V1 leads V2 by 130°

Question ID : 630680418162

Option 1 ID : 6306801631386

Option 2 ID : 6306801631384

Option 3 ID : 6306801631385

Option 4 ID : 6306801631383

Status : Answered

Chosen Option : C

**Q.39** The dielectric strength of asbestos is:

- Ans**
- A. 5 to 8 kV/mm
  - B. 13 to 16 kV/mm
  - C. 3 to 4.5 kV/mm
  - D. 9 to 12 kV/mm

Question ID : 630680418153

Option 1 ID : 6306801631347

Option 2 ID : 6306801631350

Option 3 ID : 6306801631348

Option 4 ID : 6306801631349

Status : Answered

Chosen Option : A

**Q.40** Which of the following should NOT be a property of fuse element material?

- Ans**
- A. Low ohmic loss
  - B. High conductivity
  - C. High cost
  - D. Low melting point

Question ID : 630680418158

Option 1 ID : 6306801631368

Option 2 ID : 6306801631369

Option 3 ID : 6306801631370

Option 4 ID : 6306801631367

Status : Answered

Chosen Option : C

**Q.41** What additional information is added in 6 band colour code resistance by seeing its code, which is not there in other colour coded band resistors?

- Ans**
- A. Tolerance
  - B. Humidity rating
  - C. Power rating
  - D. Temperature coefficient

Question ID : 630680418121

Option 1 ID : 6306801631219

Option 2 ID : 6306801631222

Option 3 ID : 6306801631221

Option 4 ID : 6306801631220

Status : Answered

Chosen Option : C

**Q.42** The value of current passing through the ring-shaped air cored coil when number of turns is 900 and ampere turns are 3600 is:

- Ans  A. 8 A  
 B. 2 A  
 C. 4 A  
 D. 1 A

Question ID : 630680418112  
Option 1 ID : 6306801631183  
Option 2 ID : 6306801631185  
Option 3 ID : 6306801631184  
Option 4 ID : 6306801631186  
Status : Answered  
Chosen Option : C

**Q.43** A transformer on load has a core loss of 100 W, draws a current of 6 A (RMS) and has induced voltage of 230 V (RMS). The value of no load power factor is:

- Ans  A. 0.108  
 B. 0.408  
 C. 0.308  
 D. 0.072

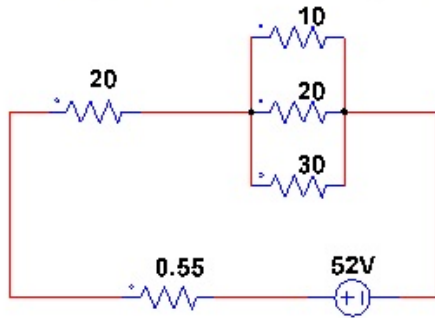
Question ID : 630680418172  
Option 1 ID : 6306801631425  
Option 2 ID : 6306801631426  
Option 3 ID : 6306801631423  
Option 4 ID : 6306801631424  
Status : Answered  
Chosen Option : D

**Q.44** How many slots are needed for lap winding for a 4 pole, 12 slot armature with two coil-sides/slot, assuming single turn coils?

- Ans  A. 3  
 B. 5  
 C. 4  
 D. 2

Question ID : 630680418131  
Option 1 ID : 6306801631260  
Option 2 ID : 6306801631262  
Option 3 ID : 6306801631261  
Option 4 ID : 6306801631259  
Status : Answered  
Chosen Option : A

Q.45 The total current drawn from the source in the following circuit is:



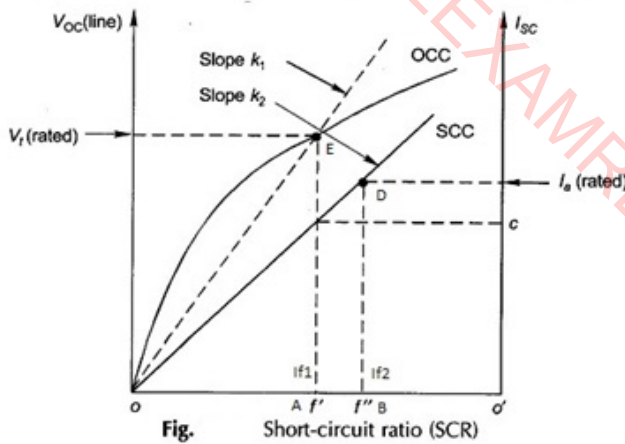
- Ans  A. 2.0 A  
 B. 3.5 A  
 C. 4.0 A  
 D. 2.5 A

Question ID : 630680418075  
 Option 1 ID : 6306801631038  
 Option 2 ID : 6306801631036  
 Option 3 ID : 6306801631035  
 Option 4 ID : 6306801631037

Status : Answered

Chosen Option : A

Q.46 The short circuit ratio of alternator is defined as:



- Ans  A.  $Of'$   
 B.  $Of''$   
 C.  $Of''/of''$   
 D.  $Of''/of'$

Question ID : 630680418193  
 Option 1 ID : 6306801631507  
 Option 2 ID : 6306801631510  
 Option 3 ID : 6306801631508  
 Option 4 ID : 6306801631509

Status : Answered

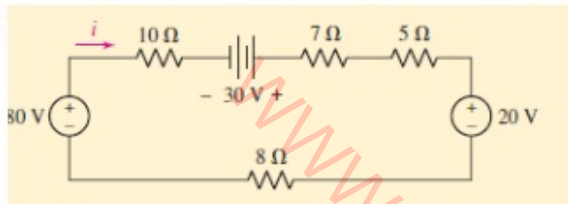
Chosen Option : C

Q.47 Which of the following damping techniques is NOT used in measuring instruments?

- Ans  A. Humid friction  
 B. Air friction  
 C. Eddy current  
 D. Fluid friction

Question ID : 630680418184  
 Option 1 ID : 6306801631471  
 Option 2 ID : 6306801631472  
 Option 3 ID : 6306801631474  
 Option 4 ID : 6306801631473  
 Status : Answered  
 Chosen Option : A

Q.48 What is the value of I in the given circuit?



- Ans  A. 9 A  
 B. 12 A  
 C. 3 A  
 D. 6 A

Question ID : 630680418076  
 Option 1 ID : 6306801631041  
 Option 2 ID : 6306801631042  
 Option 3 ID : 6306801631039  
 Option 4 ID : 6306801631040  
 Status : Answered  
 Chosen Option : C

Q.49 Which of the following is NOT considered as transformer loss?

- Ans  A. Load loss  
 B. Humidity loss  
 C. Copper loss  
 D. Core loss

Question ID : 630680418178  
 Option 1 ID : 6306801631449  
 Option 2 ID : 6306801631450  
 Option 3 ID : 6306801631448  
 Option 4 ID : 6306801631447  
 Status : Answered  
 Chosen Option : B

**Q.50** In a DC series self-excited generator, the internal characteristic is plotted between:

- Ans**
- A. field current vs. armature current
  - B. armature voltage vs. field current
  - C. load terminal voltage vs. armature current
  - D. armature voltage vs. armature current

Question ID : 630680418142  
Option 1 ID : 6306801631306  
Option 2 ID : 6306801631305  
Option 3 ID : 6306801631304  
Option 4 ID : 6306801631303  
Status : Answered  
Chosen Option : D

**Q.51** In a DC machine the value of voltage drop in brush commutator contact is:

- Ans**
- A. 0 V
  - B. 3-4 V
  - C. 1-2 V
  - D. 5-6 V

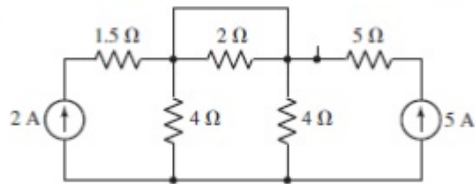
Question ID : 630680418135  
Option 1 ID : 6306801631278  
Option 2 ID : 6306801631276  
Option 3 ID : 6306801631275  
Option 4 ID : 6306801631277  
Status : Answered  
Chosen Option : C

**Q.52** Which of the following is a part of a DC machine?

- Ans**
- A. Rotor
  - B. Grid
  - C. Load
  - D. Inverter

Question ID : 630680418129  
Option 1 ID : 6306801631251  
Option 2 ID : 6306801631252  
Option 3 ID : 6306801631253  
Option 4 ID : 6306801631254  
Status : Answered  
Chosen Option : A

Q.53 How many elements are present in the given circuit?



- Ans  A. 07  
 B. 10  
 C. 05  
 D. 02

Question ID : 630680418082  
 Option 1 ID : 6306801631064  
 Option 2 ID : 6306801631066  
 Option 3 ID : 6306801631063  
 Option 4 ID : 6306801631065  
 Status : Answered  
 Chosen Option : A

Q.54 The full form of IGBT is:

- Ans  A. Inverted Gate Bipolar Transistor  
 B. Insulated Gate Bipolar Thermistor  
 C. Insulated Gate Bidirectional Transistor  
 D. Insulated Gate Bipolar Transistor

Question ID : 630680418100  
 Option 1 ID : 6306801631135  
 Option 2 ID : 6306801631138  
 Option 3 ID : 6306801631137  
 Option 4 ID : 6306801631136  
 Status : Answered  
 Chosen Option : D

Q.55 In a three-phase voltage source inverter, the output is:

- Ans  A. three-phase AC voltage  
 B. single-phase DC voltage  
 C. three-phase DC voltage  
 D. single-phase AC voltage

Question ID : 630680418090  
 Option 1 ID : 6306801631096  
 Option 2 ID : 6306801631097  
 Option 3 ID : 6306801631098  
 Option 4 ID : 6306801631095  
 Status : Answered  
 Chosen Option : A



Q.56 Which of the following is used for transformer cooling?

- Ans  A. Forced cooling  
 B. Water cooling  
 C. Ice cooling  
 D. Humidity cooling

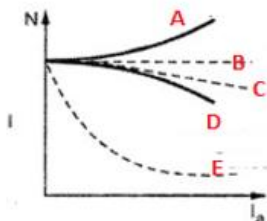
Question ID : 630680418169  
 Option 1 ID : 6306801631412  
 Option 2 ID : 6306801631411  
 Option 3 ID : 6306801631414  
 Option 4 ID : 6306801631413  
 Status : Answered  
 Chosen Option : B

Q.57 The number of terminals in SCR is:

- Ans  A. 02  
 B. 04  
 C. 03  
 D. 01

Question ID : 630680418096  
 Option 1 ID : 6306801631120  
 Option 2 ID : 6306801631122  
 Option 3 ID : 6306801631121  
 Option 4 ID : 6306801631119  
 Status : Answered  
 Chosen Option : C

Q.58 Which of the following is the curve for a cumulative DC compound motor?



- Ans  A. C  
 B. D  
 C. B  
 D. A

Question ID : 630680418148  
 Option 1 ID : 6306801631329  
 Option 2 ID : 6306801631330  
 Option 3 ID : 6306801631328  
 Option 4 ID : 6306801631327  
 Status : Answered  
 Chosen Option : B

Q.59 In the V curve of a synchronous machine, the parameter of X-axis is:

- Ans
- A. field voltage
  - B. field current
  - C. armature voltage
  - D. armature current

Question ID : 630680418196

Option 1 ID : 6306801631522

Option 2 ID : 6306801631520

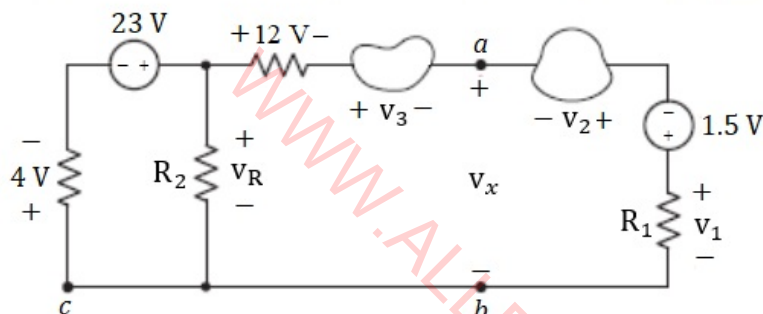
Option 3 ID : 6306801631521

Option 4 ID : 6306801631519

Status : Answered

Chosen Option : B

Q.60 In the following circuit, if  $v_1 = 3$  V and  $v_3 = 1.5$  V, what is the value of  $v_R$  ?



- Ans
- A. 12 V
  - B. 4 V
  - C. 23 V
  - D. 19 V

Question ID : 630680418087

Option 1 ID : 6306801631086

Option 2 ID : 6306801631083

Option 3 ID : 6306801631085

Option 4 ID : 6306801631084

Status : Answered

Chosen Option : D

Q.61 In which of the following the energy gap between conduction band and valence band is higher?

- Ans
- A. Insulator
  - B. Super conductor
  - C. Conductor
  - D. Semi-conductor

Question ID : 630680418062

Option 1 ID : 6306801630984

Option 2 ID : 6306801630986

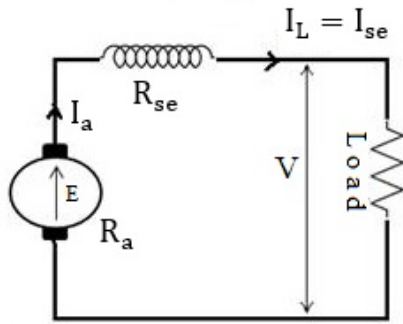
Option 3 ID : 6306801630985

Option 4 ID : 6306801630983

Status : Answered

Chosen Option : A

Q.62 The following diagram is of a:



- Ans  A. DC series generator  
 B. DC shunt generator  
 C. DC series motor  
 D. DC shunt motor

Question ID : 630680418138

Option 1 ID : 6306801631289

Option 2 ID : 6306801631287

Option 3 ID : 6306801631290

Option 4 ID : 6306801631288

Status : Answered

Chosen Option : A

Q.63 Which of the following is NOT a property of plastic?

- Ans  A. High electrical conductivity  
 B. Low thermal conductivity  
 C. Light weight  
 D. A wide range of colours

Question ID : 630680418155

Option 1 ID : 6306801631357

Option 2 ID : 6306801631356

Option 3 ID : 6306801631355

Option 4 ID : 6306801631358

Status : Answered

Chosen Option : A

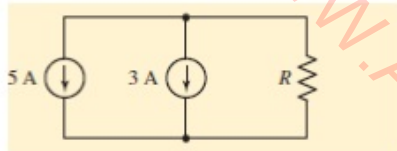
Q.64 The following symbol represents a:



- Ans
- A. blower
  - B. fan
  - C. heater
  - D. pump

Question ID : 630680418127  
 Option 1 ID : 6306801631243  
 Option 2 ID : 6306801631244  
 Option 3 ID : 6306801631245  
 Option 4 ID : 6306801631246  
 Status : Answered  
 Chosen Option : B

Q.65 Does the given circuit violate Kirchhoff's Law?



- Ans
- A. Partially
  - B. If 5 A current source removed, then yes
  - C. Yes
  - D. No

Question ID : 630680418081  
 Option 1 ID : 6306801631061  
 Option 2 ID : 6306801631062  
 Option 3 ID : 6306801631059  
 Option 4 ID : 6306801631060  
 Status : Answered  
 Chosen Option : D

Q.66 The average power absorbed by the purely reactive element:

- Ans
- A. depends on the circuit parameter
  - B. is zero
  - C. is infinite
  - D. is between zero and infinite

Question ID : 630680418166  
 Option 1 ID : 6306801631401  
 Option 2 ID : 6306801631399  
 Option 3 ID : 6306801631400  
 Option 4 ID : 6306801631402  
 Status : Answered  
 Chosen Option : B

Q.67 The rotor field in a synchronous generator is excited with the \_\_\_\_\_ signal.

- Ans
- A. impulse
  - B. DC
  - C. pulse
  - D. AC

Question ID : 630680418192

Option 1 ID : 6306801631506

Option 2 ID : 6306801631504

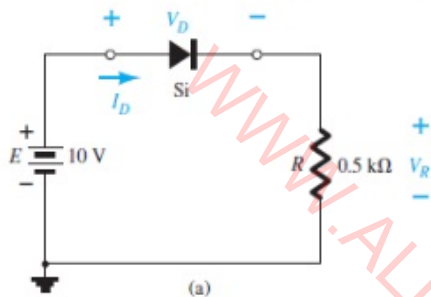
Option 3 ID : 6306801631505

Option 4 ID : 6306801631503

Status : Answered

Chosen Option : B

Q.68 The state of the diode in the given circuit is:



- Ans
- A. in saturation region
  - B. reverse biased
  - C. in Zener region
  - D. forward biased

Question ID : 630680418092

Option 1 ID : 6306801631106

Option 2 ID : 6306801631104

Option 3 ID : 6306801631105

Option 4 ID : 6306801631103

Status : Answered

Chosen Option : D

Q.69 The expression for effective armature resistance of alternator is:

Ans  A.

short circuit load loss (per phase) / (short circuit armature current)<sup>3</sup>

B.

short circuit load loss (per phase) + (short circuit armature current)<sup>2</sup>

C.

short circuit load loss (per phase) / (short circuit armature current)

D.

short circuit load loss (per phase) / (short circuit armature current)<sup>2</sup>

Question ID : 630680418194

Option 1 ID : 6306801631511

Option 2 ID : 6306801631512

Option 3 ID : 6306801631513

Option 4 ID : 6306801631514

Status : Answered

Chosen Option : C

Q.70 Which of the following is a vector quantity?

Ans  A. Humid field

B. Wooden field

C. Iron field

D. Magnetic field

Question ID : 630680418109

Option 1 ID : 6306801631171

Option 2 ID : 6306801631173

Option 3 ID : 6306801631172

Option 4 ID : 6306801631174

Status : Answered

Chosen Option : D

Q.71 What is the value of the 4-band resistor whose colours are blue-blue-blue-gold?

Ans  A. 660 kohm, 5% tolerance

B. 0.66 kohm, 5% tolerance

C. 66 Megaohm, 5% tolerance

D. 660 Megaohm, 5% tolerance

Question ID : 630680418118

Option 1 ID : 6306801631208

Option 2 ID : 6306801631210

Option 3 ID : 6306801631207

Option 4 ID : 6306801631209

Status : Answered

Chosen Option : C

**Q.72** A circular ring iron wound with 150 turns of coil develops a magnetic field of 50 mWb when the coil carries a current of 1 A. The MMF is:

- Ans  A. 200  
 B. 150  
 C. 100  
 D. 50

Question ID : 630680418115

Option 1 ID : 6306801631198

Option 2 ID : 6306801631197

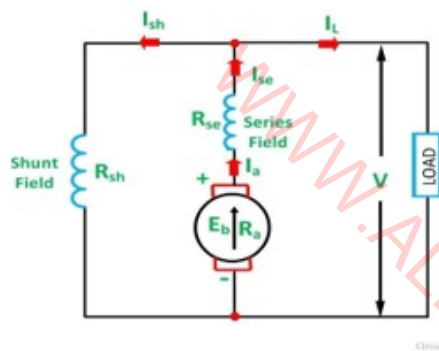
Option 3 ID : 6306801631196

Option 4 ID : 6306801631195

Status : Answered

Chosen Option : B

**Q.73** The following diagram is of:



- Ans  A. an AC separately excited generator  
 B. an AC compound generator  
 C. a DC compound generator  
 D. a DC separately excited generator

Question ID : 630680418139

Option 1 ID : 6306801631291

Option 2 ID : 6306801631293

Option 3 ID : 6306801631294

Option 4 ID : 6306801631292

Status : Answered

Chosen Option : C

**Q.74** The diverter field control technique is used in:

- Ans  A. a separately excited DC motor  
 B. a DC shunt motor  
 C. a DC series motor  
 D. an AC series motor

Question ID : 630680418151

Option 1 ID : 6306801631342

Option 2 ID : 6306801631341

Option 3 ID : 6306801631340

Option 4 ID : 6306801631339

Status : Answered

Chosen Option : C

**Q.75** The value of current from a DC voltage source of 30 V, NOT connected with anything is:

- Ans**
- A. 30 A
  - B. 15 A
  - C. 20 A
  - D. 0 A

Question ID : **630680418057**  
Option 1 ID : **6306801630963**  
Option 2 ID : **6306801630965**  
Option 3 ID : **6306801630966**  
Option 4 ID : **6306801630964**  
Status : **Answered**  
Chosen Option : **D**

**Q.76** Which of the following is a scalar quantity?

- Ans**
- A. Force
  - B. Magnetic flux
  - C. Magnetic field
  - D. Electric field

Question ID : **630680418110**  
Option 1 ID : **6306801631177**  
Option 2 ID : **6306801631176**  
Option 3 ID : **6306801631175**  
Option 4 ID : **6306801631178**  
Status : **Answered**  
Chosen Option : **B**

**Q.77** The system of light which turns on immediately after turning on the switch is known as:

- Ans**
- A. instant start
  - B. slow start
  - C. fast start
  - D. soft start

Question ID : **630680418189**  
Option 1 ID : **6306801631491**  
Option 2 ID : **6306801631493**  
Option 3 ID : **6306801631494**  
Option 4 ID : **6306801631492**  
Status : **Answered**  
Chosen Option : **A**



Q.78 In a synchronous machine, the open circuit characteristic is plotted between:

- Ans
- A. short circuit voltage vs. field current
  - B. armature current vs. field current
  - C. open circuit voltage vs. armature current
  - D. open circuit voltage vs. field current

Question ID : 630680418191  
Option 1 ID : 6306801631502  
Option 2 ID : 6306801631500  
Option 3 ID : 6306801631501  
Option 4 ID : 6306801631499  
Status : Answered  
Chosen Option : D

Q.79 What is the atomic weight of aluminium?

- Ans
- A. 28
  - B. 27
  - C. 30
  - D. 26

Question ID : 630680418102  
Option 1 ID : 6306801631145  
Option 2 ID : 6306801631143  
Option 3 ID : 6306801631146  
Option 4 ID : 6306801631144  
Status : Answered  
Chosen Option : B

Q.80 Which colour denotes 20% tolerance in the 4 band colour codes of the resistor?

- Ans
- A. Gold
  - B. Brown
  - C. Silver
  - D. No colour

Question ID : 630680418117  
Option 1 ID : 6306801631204  
Option 2 ID : 6306801631205  
Option 3 ID : 6306801631203  
Option 4 ID : 6306801631206  
Status : Answered  
Chosen Option : D

**Q.81** The RMS value of induced EMF at primary winding of a transformer is 230 V, 50 Hz, number of primary turns is 200, running at no load. The maximum value of core flux is:

- Ans
- A. 518 mWb
  - B. 51.8 mWb
  - C. 0.518 mWb
  - D. 5.18 mWb

Question ID : 630680418173

Option 1 ID : 6306801631430

Option 2 ID : 6306801631427

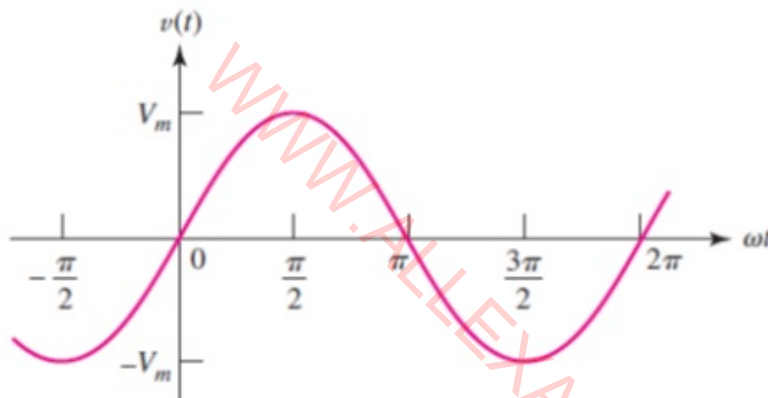
Option 3 ID : 6306801631429

Option 4 ID : 6306801631428

Status : Answered

Chosen Option : B

**Q.82** The signal in the following figure is a:



- Ans
- A. sine wave
  - B. non periodic wave
  - C. tan wave
  - D. cosine wave

Question ID : 630680418160

Option 1 ID : 6306801631375

Option 2 ID : 6306801631378

Option 3 ID : 6306801631377

Option 4 ID : 6306801631376

Status : Answered

Chosen Option : A

**Q.83** How many electric switches are needed in a single-phase full bridge voltage source inverter?

- Ans
- A. 04
  - B. 03
  - C. 01
  - D. 02

Question ID : 630680418088

Option 1 ID : 6306801631089

Option 2 ID : 6306801631090

Option 3 ID : 6306801631087

Option 4 ID : 6306801631088

Status : Answered

Chosen Option : D

Q.84 How many layers of PN materials are in SCR?

- Ans
- A. 02
  - B. 03
  - C. 01
  - D. 04

Question ID : 630680418095  
Option 1 ID : 6306801631116  
Option 2 ID : 6306801631117  
Option 3 ID : 6306801631115  
Option 4 ID : 6306801631118  
Status : Answered  
Chosen Option : D

Q.85 For which of the following, is Ohm's Law NOT applicable?

- Ans
- A. Linear region of inductor
  - B. Linear region of conductor
  - C. Zener diode
  - D. Linear resistor

Question ID : 630680418069  
Option 1 ID : 6306801631013  
Option 2 ID : 6306801631012  
Option 3 ID : 6306801631011  
Option 4 ID : 6306801631014  
Status : Answered  
Chosen Option : C

Q.86 Which of the following is used to find the centre of a round bar?

- Ans
- A. Chisel
  - B. Jenny caliper
  - C. Screwdriver
  - D. Vice

Question ID : 630680418051  
Option 1 ID : 6306801630942  
Option 2 ID : 6306801630940  
Option 3 ID : 6306801630941  
Option 4 ID : 6306801630939  
Status : Answered  
Chosen Option : B

Q.87 What is the name of the electronic circuit used to drive the artificial lighting lamps?

- Ans
- A. Electronic magic
  - B. Electronics demand
  - C. Electronics ballast
  - D. Electronics touch

Question ID : 630680418126  
Option 1 ID : 6306801631240  
Option 2 ID : 6306801631242  
Option 3 ID : 6306801631241  
Option 4 ID : 6306801631239  
Status : Answered  
Chosen Option : C

Q.88 A 20 kVA, 50 Hz, 1000/5000 V distribution transformer has a leakage impedance of  $0.22 + j 0.92 \Omega$ . The value of transformation ratio is:

- Ans
- A. 10
  - B. 50
  - C. 5
  - D. 20

Question ID : 630680418175  
Option 1 ID : 6306801631435  
Option 2 ID : 6306801631438  
Option 3 ID : 6306801631436  
Option 4 ID : 6306801631437  
Status : Answered  
Chosen Option : C

Q.89 The resistivity of a metallic conductor:

- Ans
- A. first rises, then falls with the increase in temperature
  - B. increases with the fall in temperature
  - C. increases with the rise in temperature
  - D. first falls, then rises with the increase in temperature

Question ID : 630680418124  
Option 1 ID : 6306801631232  
Option 2 ID : 6306801631234  
Option 3 ID : 6306801631233  
Option 4 ID : 6306801631231  
Status : Answered  
Chosen Option : C

Q.90 Which of the following is a type of transformer?

- Ans  A. Invert transformer  
 B. Step up transformer  
 C. DC transformer  
 D. Plastic transformer

Question ID : 630680418167  
 Option 1 ID : 6306801631404  
 Option 2 ID : 6306801631403  
 Option 3 ID : 6306801631406  
 Option 4 ID : 6306801631405  
 Status : Answered  
 Chosen Option : B

Q.91 In a neutral atom:

- Ans  A. the number of electrons is twice the number of protons  
 B. the number of electrons is equal to the number of protons  
 C. the number of electrons is less than the number of protons  
 D. the number of electrons is more than the number of protons

Question ID : 630680418053  
 Option 1 ID : 6306801630950  
 Option 2 ID : 6306801630948  
 Option 3 ID : 6306801630949  
 Option 4 ID : 6306801630947  
 Status : Answered  
 Chosen Option : B

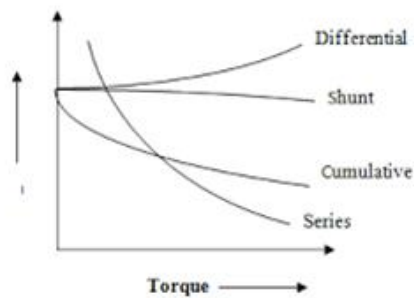
Q.92 For a DC machine working as a DC generator, the correct relation is:

( $P_{\text{mech(in)}}$  is total mechanical input power,  $I_{\text{net}}$  is total current)

- Ans  A.  $P_{\text{mech(in)}} I_{\text{gross}} = P_{\text{mech(in)}} \times I_{\text{net}} \times \text{rotational loss}$   
 B.  $P_{\text{mech(in)}} I_{\text{gross}} = P_{\text{mech(in)}} \times I_{\text{net}} - \text{rotational loss}$   
 C.  $P_{\text{mech(in)}} I_{\text{gross}} = P_{\text{mech(in)}} \times I_{\text{net}} + \text{rotational loss}$   
 D.  $P_{\text{mech(in)}} I_{\text{gross}} = P_{\text{mech(in)}} \times I_{\text{net}}$

Question ID : 630680418136  
 Option 1 ID : 6306801631282  
 Option 2 ID : 6306801631280  
 Option 3 ID : 6306801631279  
 Option 4 ID : 6306801631281  
 Status : Answered  
 Chosen Option : C

Q.93 The parameter on the Y-axis of the given curve is:



- Ans  A. speed  
 B. armature current  
 C. torque  
 D. flux

Question ID : 630680418147

Option 1 ID : 6306801631324

Option 2 ID : 6306801631326

Option 3 ID : 6306801631323

Option 4 ID : 6306801631325

Status : Answered

Chosen Option : A

Q.94 Which of the following has the highest lumen/watt?

- Ans  A. LED  
 B. Incandescent lamp  
 C. CFL  
 D. Sodium vapour lamp

Question ID : 630680418125

Option 1 ID : 6306801631235

Option 2 ID : 6306801631237

Option 3 ID : 6306801631236

Option 4 ID : 6306801631238

Status : Answered

Chosen Option : A

Q.95 Teflon is:

- Ans  A. a conducting material  
 B. a semi-conductor material  
 C. an insulating material  
 D. a super conductor material

Question ID : 630680418156

Option 1 ID : 6306801631360

Option 2 ID : 6306801631361

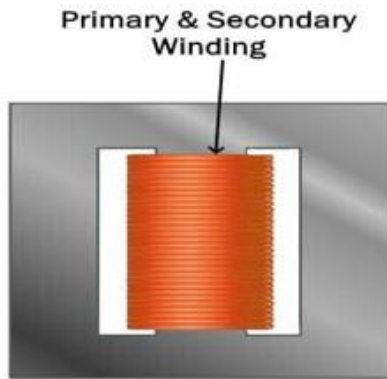
Option 3 ID : 6306801631359

Option 4 ID : 6306801631362

Status : Answered

Chosen Option : C

Q.96 The type of the following transformer construction is:



- Ans
- A. wooden type transformer
  - B. shell type transformer
  - C. plastic type transformer
  - D. core type transformer

Question ID : 630680418168

Option 1 ID : 6306801631407

Option 2 ID : 6306801631409

Option 3 ID : 6306801631410

Option 4 ID : 6306801631408

Status : Answered

Chosen Option : B

Q.97 Which lamp is used in stadium lighting?

- Ans
- A. Incandescent lamp
  - B. Sodium vapour lamp
  - C. CFL lamp
  - D. Metal halide HID lamp

Question ID : 630680418185

Option 1 ID : 6306801631478

Option 2 ID : 6306801631477

Option 3 ID : 6306801631475

Option 4 ID : 6306801631476

Status : Answered

Chosen Option : D

Q.98 Which of the following is NOT correct?

- Ans
- A. Coulomb / ampere
  - B. Coulomb / second
  - C. Ampere  $\times$  second
  - D. Coulomb  $\times$  ampere

Question ID : 630680418058

Option 1 ID : 6306801630969

Option 2 ID : 6306801630968

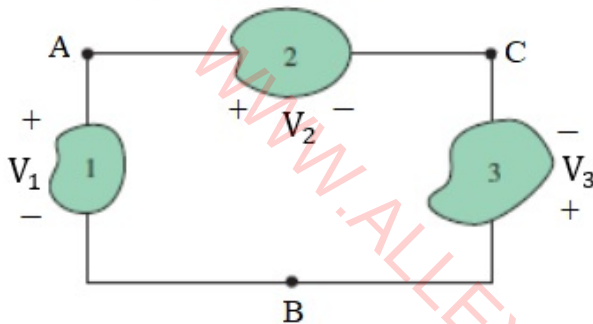
Option 3 ID : 6306801630967

Option 4 ID : 6306801630970

Status : Answered

Chosen Option : B

Q.99 The value of  $V_2$ , if  $V_1 = 7\text{ V}$  and  $V_3 = 9\text{ V}$  is:



- Ans
- A. 2 V
  - B. 7 V
  - C. 16 V
  - D. 9 V

Question ID : 630680418086

Option 1 ID : 6306801631082

Option 2 ID : 6306801631080

Option 3 ID : 6306801631079

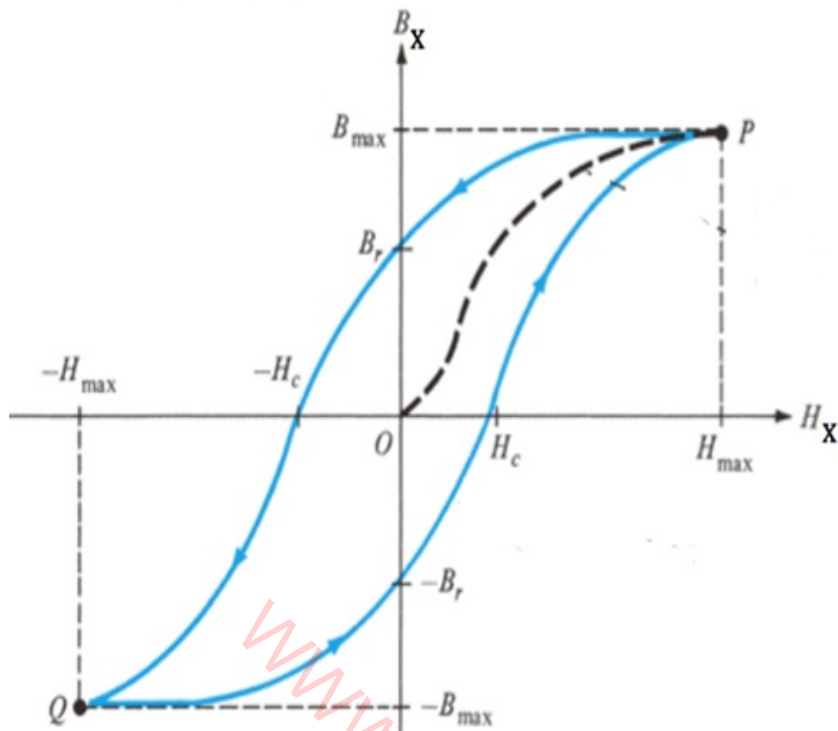
Option 4 ID : 6306801631081

Status : Answered

Chosen Option : C



Q.100 The following loop in the B-H curve is known as:



- Ans
- A. circuit loop
  - B. coercive loop
  - C. hysteresis loop
  - D. residual loop

Question ID : 630680418113

Option 1 ID : 6306801631190

Option 2 ID : 6306801631188

Option 3 ID : 6306801631189

Option 4 ID : 6306801631187

Status : Answered

Chosen Option : C

Q.101 Which waveform in the following pair is lagging?

$\cos 4t$ ,  $\sin 4t$

- Ans
- A. Information given is not sufficient
  - B.  $\cos 4t$  lag  $\sin 4t$
  - C. Both are in the same phase.
  - D.  $\sin 4t$  lags  $\cos 4t$

Question ID : 630680418164

Option 1 ID : 6306801631394

Option 2 ID : 6306801631392

Option 3 ID : 6306801631391

Option 4 ID : 6306801631393

Status : Answered

Chosen Option : A

**Q.102** For a transformer,  $N_1$  = primary number of turns,  $N_2$  = secondary number of turns,  $I_1$  = primary side current,  $I_2$  = secondary side current. The correct relation is:

- Ans
- A.  $(I_1/I_2)^2 = (N_2/N_1)$
  - B.  $I_1/I_2 = (N_2/N_1)^2$
  - C.  $I_2/I_1 = N_2/N_1$
  - D.  $I_1/I_2 = N_2/N_1$

Question ID : 630680418174

Option 1 ID : 6306801631434

Option 2 ID : 6306801631433

Option 3 ID : 6306801631432

Option 4 ID : 6306801631431

Status : Answered

Chosen Option : D

**Q.103** The voltage range of lead acid motive power batteries is:

- Ans
- A. 12 V to 240 V
  - B. 4000 V to 500 V
  - C. 240 V to 300 V
  - D. 300 V to 400 V

Question ID : 630680418104

Option 1 ID : 6306801631151

Option 2 ID : 6306801631154

Option 3 ID : 6306801631152

Option 4 ID : 6306801631153

Status : Answered

Chosen Option : A

**Q.104** The condition for identical parallel paths in DC machine winding, if  $P$  = number of poles,  $C$  = number of commutator segments, is:

- Ans
- A.  $C/P$
  - B.  $C + P$
  - C.  $2C/P$
  - D.  $2C + P$

Question ID : 630680418132

Option 1 ID : 6306801631263

Option 2 ID : 6306801631265

Option 3 ID : 6306801631264

Option 4 ID : 6306801631266

Status : Answered

Chosen Option : C

Q.105 Silk is:

- Ans
- A. a conducting material
  - B. a super conductor material
  - C. a semi-conductor material
  - D. an insulating material

Question ID : 630680418154

Option 1 ID : 6306801631352

Option 2 ID : 6306801631354

Option 3 ID : 6306801631353

Option 4 ID : 6306801631351

Status : Answered

Chosen Option : D

Q.106 The characteristic of a separately excited DC generator is plotted between:

- Ans
- A. load terminal voltage vs. field terminal voltage
  - B. load terminal voltage vs. armature voltage
  - C. load terminal voltage vs. field current
  - D. load terminal voltage vs. armature current

Question ID : 630680418141

Option 1 ID : 6306801631301

Option 2 ID : 6306801631302

Option 3 ID : 6306801631299

Option 4 ID : 6306801631300

Status : Answered

Chosen Option : C

Q.107 The correct expression of the RMS value of the induced EMF in the transformer primary winding, if  $E_1$  = induced voltage,  $f$  = frequency,  $N_1$  = number of turns in primary winding,  $\Phi_{\max}$  = maximum flux of core, is:

- Ans
- A.  $\Phi_{\max} (4.44 f N_1) = E_1$
  - B.  $\Phi_{\max} (4.44 f) = E_1$
  - C.  $\Phi_{\max} = E_1$
  - D.  $\Phi_{\max} / (4.44 f N_1) = E_1$

Question ID : 630680418170

Option 1 ID : 6306801631416

Option 2 ID : 6306801631417

Option 3 ID : 6306801631418

Option 4 ID : 6306801631415

Status : Answered

Chosen Option : A

Q.108 Which of the following is NOT a type of resistor?

- Ans
- A. Thermistor
  - B. Carbon composition resistor
  - C. Plastic resistor
  - D. Wire wound resistor

Question ID : 630680418122  
Option 1 ID : 6306801631224  
Option 2 ID : 6306801631223  
Option 3 ID : 6306801631226  
Option 4 ID : 6306801631225  
Status : Answered  
Chosen Option : C

Q.109 The correct expression for leakage factor is:

- Ans
- A. flux in the air gap
  - B. flux in the iron path – flux in the air gap
  - C. flux in the iron path / flux in the air gap
  - D. flux in the air gap / flux in the iron path

Question ID : 630680418116  
Option 1 ID : 6306801631201  
Option 2 ID : 6306801631202  
Option 3 ID : 6306801631200  
Option 4 ID : 6306801631199  
Status : Answered  
Chosen Option : B

Q.110 Instantaneous power delivered to any device is given by the product of:

- Ans
- A. RMS voltage across device  $\times$  RMS current through it
  - B. RMS voltage across device  $\times$  instantaneous current through it
  - C. average voltage across device  $\times$  average current through it
  - D. instantaneous voltage across device  $\times$  instantaneous current through it

Question ID : 630680418165  
Option 1 ID : 6306801631397  
Option 2 ID : 6306801631398  
Option 3 ID : 6306801631395  
Option 4 ID : 6306801631396  
Status : Answered  
Chosen Option : A

Q.111 Which of the following is the correct sequence to be followed when a person is injured?

1. Bleeding should be stopped.
2. Advanced advance medical help should be provided.
3. Shock treatment should be provided.
4. Breathing should be restored.

Ans  A. 4, 1, 3, 2

B. 4, 3, 2, 1

C. 2, 3, 4, 1

D. 1, 2, 3, 4

Question ID : 630680418049

Option 1 ID : 6306801630933

Option 2 ID : 6306801630934

Option 3 ID : 6306801630931

Option 4 ID : 6306801630932

Status : Answered

Chosen Option : A

Q.112 Which of the following units is used in specifying transformer rating?

Ans  A. KVA

B. Ampere

C. Newton-meter

D. Joule

Question ID : 630680418176

Option 1 ID : 6306801631440

Option 2 ID : 6306801631441

Option 3 ID : 6306801631442

Option 4 ID : 6306801631439

Status : Answered

Chosen Option : A

Q.113 Which of the following currents in a transformer is responsible for active power being drawn?

Ans  A. Magnetising current

B. Core loss current

C. Stray capacitive current

D. Stray inductive current

Question ID : 630680418171

Option 1 ID : 6306801631420

Option 2 ID : 6306801631419

Option 3 ID : 6306801631422

Option 4 ID : 6306801631421

Status : Answered

Chosen Option : B

Q.114 How many electrons are present in the outer shell of the element chlorine (Cl)?

- Ans
- A. 08
  - B. 02
  - C. 20
  - D. 07

Question ID : 630680418054  
Option 1 ID : 6306801630953  
Option 2 ID : 6306801630952  
Option 3 ID : 6306801630951  
Option 4 ID : 6306801630954  
Status : Answered  
Chosen Option : D

Q.115 The range of lumen per watt of LED lamps is:

- Ans
- A. 75 lumens per watt – 110 lumens per watt
  - B. 10 lumens per watt – 25 lumens per watt
  - C. 60 lumens per watt – 70 lumens per watt
  - D. 40 lumens per watt – 55 lumens per watt

Question ID : 630680418186  
Option 1 ID : 6306801631481  
Option 2 ID : 6306801631480  
Option 3 ID : 6306801631482  
Option 4 ID : 6306801631479  
Status : Answered  
Chosen Option : A

Q.116 The measured value of a capacitor is 105.3 microfarad, whereas its true value is 101.4 microfarad. The relative error is:

- Ans
- A. 38.6%
  - B. 0.386%
  - C. 386%
  - D. 3.86%

Question ID : 630680418180  
Option 1 ID : 6306801631456  
Option 2 ID : 6306801631458  
Option 3 ID : 6306801631457  
Option 4 ID : 6306801631455  
Status : Answered  
Chosen Option : D

Q.117 Which of the following torque is NOT required for the satisfactory working of indicating instruments?

- Ans
- A. Deflecting torque
  - B. Ionic torque
  - C. Controlling torque
  - D. Damping torque

Question ID : 630680418183  
Option 1 ID : 6306801631467  
Option 2 ID : 6306801631470  
Option 3 ID : 6306801631468  
Option 4 ID : 6306801631469  
Status : Answered  
Chosen Option : B

Q.118 The number of valence electrons in an arsenic atom is:

- Ans
- A. 5
  - B. 2
  - C. 3
  - D. 4

Question ID : 630680418093  
Option 1 ID : 6306801631108  
Option 2 ID : 6306801631110  
Option 3 ID : 6306801631109  
Option 4 ID : 6306801631107  
Status : Answered  
Chosen Option : A

Q.119 Which of the following is a linear resistor?

- Ans
- A. Varistor
  - B. Memristors
  - C. Thermistors
  - D. Carbon film resistor

Question ID : 630680418123  
Option 1 ID : 6306801631228  
Option 2 ID : 6306801631230  
Option 3 ID : 6306801631229  
Option 4 ID : 6306801631227  
Status : Answered  
Chosen Option : D

Q.120 For a DC generator, the 'no load' test is done to get the characteristics known as:

- Ans
- A. overload characteristics
  - B. thermal characteristics
  - C. excitation characteristics
  - D. magnetisation characteristics

Question ID : 630680418140  
Option 1 ID : 6306801631297  
Option 2 ID : 6306801631298  
Option 3 ID : 6306801631295  
Option 4 ID : 6306801631296  
Status : Answered  
Chosen Option : D

Q.121 A 20 kW, 250 V DC shunt motor has a full load armature current of 85 A at 1100 rpm. The armature resistance is 0.18 ohm. The value of electromagnetic torque developed is:

- Ans
- A. 173.2 Nm
  - B. 0.17332 Nm
  - C. 17.32 Nm
  - D. 1.732 Nm

Question ID : 630680418144  
Option 1 ID : 6306801631311  
Option 2 ID : 6306801631314  
Option 3 ID : 6306801631312  
Option 4 ID : 6306801631313  
Status : Answered  
Chosen Option : A

Q.122 The input to voltage source inverter is:

- Ans
- A. DC voltage
  - B. AC voltage
  - C. square wave voltage
  - D. triangular voltage

Question ID : 630680418089  
Option 1 ID : 6306801631092  
Option 2 ID : 6306801631091  
Option 3 ID : 6306801631094  
Option 4 ID : 6306801631093  
Status : Answered  
Chosen Option : A



Q.123 The rating of a lead acid cell is 30 Ah. How much current it will take to charge it in one hour?

- Ans
- A. 90 A
  - B. 30 A
  - C. 60 A
  - D. 50 A

Question ID : 630680418103  
Option 1 ID : 6306801631150  
Option 2 ID : 6306801631148  
Option 3 ID : 6306801631149  
Option 4 ID : 6306801631147  
Status : Answered  
Chosen Option : B

Q.124 In a DC machine, when variable loss = constant loss, then which condition is seen?

- Ans
- A. The flux becomes maximum
  - B. The torque becomes maximum
  - C. The efficiency becomes maximum
  - D. The speed becomes maximum

Question ID : 630680418150  
Option 1 ID : 6306801631335  
Option 2 ID : 6306801631337  
Option 3 ID : 6306801631336  
Option 4 ID : 6306801631338  
Status : Answered  
Chosen Option : C

Q.125 The value of 1 eV is:

- Ans
- A.  $-1.6 \times 10^{-19}$  C
  - B.  $1.6 \times 10^{-19}$  C
  - C.  $1.6 \times 10^{-19}$  J
  - D.  $-1.6 \times 10^{-19}$  J

Question ID : 630680418063  
Option 1 ID : 6306801630990  
Option 2 ID : 6306801630989  
Option 3 ID : 6306801630988  
Option 4 ID : 6306801630987  
Status : Answered  
Chosen Option : C

Q.126 The resistivity of silver in ohm-meter is:

- Ans
- A.  $2.9 \times 10^{-6}$
  - B.  $1.72 \times 10^{-6}$
  - C.  $2.2 \times 10^{-6}$
  - D.  $1.6 \times 10^{-6}$

Question ID : 630680418066

Option 1 ID : 6306801631002

Option 2 ID : 6306801630999

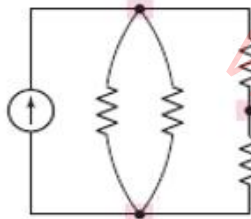
Option 3 ID : 6306801631001

Option 4 ID : 6306801631000

Status : Answered

Chosen Option : D

Q.127 The number of nodes and branches in the given circuit is:



- Ans
- A. 5, 5
  - B. 3, 3
  - C. 3, 5
  - D. 5, 3

Question ID : 630680418078

Option 1 ID : 6306801631050

Option 2 ID : 6306801631049

Option 3 ID : 6306801631048

Option 4 ID : 6306801631047

Status : Answered

Chosen Option : C

Q.128 Which of the following is a component of solar lamps?

- Ans
- A. Grass
  - B. Incandescent lamp
  - C. Battery
  - D. CFL

Question ID : 630680418187

Option 1 ID : 6306801631485

Option 2 ID : 6306801631486

Option 3 ID : 6306801631483

Option 4 ID : 6306801631484

Status : Answered

Chosen Option : C

Q.129 The aim of applying soldering flux in soldering process is:

- Ans
- A. to increase the speed
  - B. to clear defects
  - C. to dissolve oxides
  - D. to reduce the temperature

Question ID : 630680418061

Option 1 ID : 6306801630981

Option 2 ID : 6306801630980

Option 3 ID : 6306801630979

Option 4 ID : 6306801630982

Status : Answered

Chosen Option : C

Q.130 Express the following sine function as a cosine.

$$1.95 \sin(\pi t - 92^\circ)$$

- Ans
- A.  $1.95 \cos(\pi t - 92^\circ)$
  - B.  $1.95 \cos(\pi t - 182^\circ)$
  - C.  $1.95 \cos(\pi t - 8^\circ)$
  - D.  $1.95 \cos(\pi t - 282^\circ)$

Question ID : 630680418163

Option 1 ID : 6306801631387

Option 2 ID : 6306801631388

Option 3 ID : 6306801631389

Option 4 ID : 6306801631390

Status : Answered

Chosen Option : B

Q.131 A  $1000 \Omega$  resistor is connected in series with a voltage source which causes a current of 50 mA. The value of voltage across the resistor is:

- Ans
- A. 50 V
  - B. 5 V
  - C. 2.5 V
  - D. 25 V

Question ID : 630680418070

Option 1 ID : 6306801631017

Option 2 ID : 6306801631018

Option 3 ID : 6306801631015

Option 4 ID : 6306801631016

Status : Answered

Chosen Option : A

**Q.132** In DC machine wave winding, what is the expression for current carried by each brush, if  $I_a$  is the armature current,  $P$  is the number of poles?

- Ans
- A.  $I_a / P$
  - B.  $I_a$
  - C.  $I_a / 2P$
  - D.  $2I_a / P$

Question ID : 630680418133

Option 1 ID : 6306801631269

Option 2 ID : 6306801631267

Option 3 ID : 6306801631270

Option 4 ID : 6306801631268

Status : Answered

Chosen Option : C

**Q.133** The thickness of a 22 SWG wire is:

- Ans
- A. 711 mm
  - B. 71.1 mm
  - C. 0.711 mm
  - D. 7.11 mm

Question ID : 630680418064

Option 1 ID : 6306801630994

Option 2 ID : 6306801630993

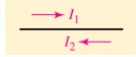
Option 3 ID : 6306801630991

Option 4 ID : 6306801630992

Status : Answered

Chosen Option : A

**Q.134** In the given figure, protons are moving from left to right to create a current of 10 mA. The values of  $I_1$  and  $I_2$  are:



- Ans
- A.  $I_1 = 10 \text{ mA}, I_2 = 10 \text{ mA}$
  - B.  $I_1 = -10 \text{ mA}, I_2 = 15 \text{ mA}$
  - C.  $I_1 = -15 \text{ mA}, I_2 = 10 \text{ mA}$
  - D.  $I_1 = 10 \text{ mA}, I_2 = -10 \text{ mA}$

Question ID : 630680418059

Option 1 ID : 6306801630974

Option 2 ID : 6306801630973

Option 3 ID : 6306801630972

Option 4 ID : 6306801630971

Status : Answered

Chosen Option : D

**Q.135** The value of power across the gap for three-phase induction motors, if slip is 0.6 and rotor copper loss is 100 watts, is:

- Ans**  **A. 166.67 W**  
 **B. 100 W**  
 **C. 0.6 W**  
 **D. 0.06 W**

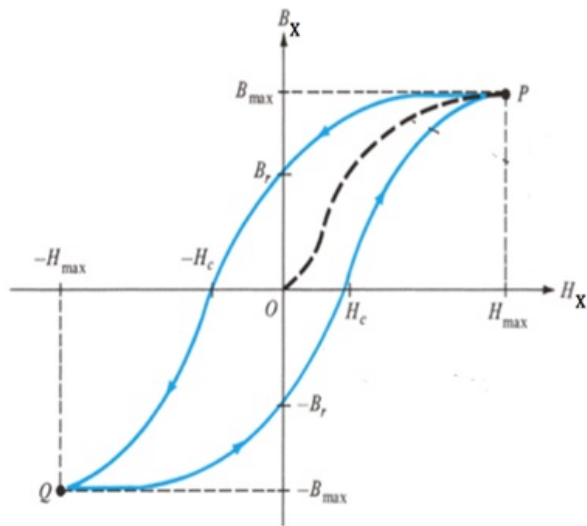
Question ID : **630680418198**  
Option 1 ID : **6306801631530**  
Option 2 ID : **6306801631528**  
Option 3 ID : **6306801631527**  
Option 4 ID : **6306801631529**  
Status : **Answered**  
Chosen Option : **A**

**Q.136** Which of the following is correct about magnets?

- Ans**  **A.**  
Magnets have two similar kinds of poles: South pole and South pole.  
 **B. Opposite poles attract each other.**  
 **C. Similar poles attract each other.**  
 **D.**  
Magnets have two similar kinds of poles: North pole and North pole.

Question ID : **630680418107**  
Option 1 ID : **6306801631166**  
Option 2 ID : **6306801631165**  
Option 3 ID : **6306801631164**  
Option 4 ID : **6306801631163**  
Status : **Answered**  
Chosen Option : **B**

Q.137 In the following B-H curve, the coercive force is represented by the range:



- Ans
- A. O to  $-H_c$
  - B. O to  $+B_{max}$
  - C. O to  $-H_{max}$
  - D. O to  $-B_r$

Question ID : 630680418114

Option 1 ID : 6306801631192

Option 2 ID : 6306801631193

Option 3 ID : 6306801631191

Option 4 ID : 6306801631194

Status : Answered

Chosen Option : A

Q.138 A 5-band resistor has the value of 1000 ohms, 5% tolerance. What will be the colour code?

- Ans
- A. Brown-Black-Brown-Black-Gold
  - B. Green-Blue-Blue-Yellow-Silver
  - C. Green-Green-Blue-Violet-Silver
  - D. Brown-Black-Brown-Brown-Gold

Question ID : 630680418119

Option 1 ID : 6306801631212

Option 2 ID : 6306801631213

Option 3 ID : 6306801631214

Option 4 ID : 6306801631211

Status : Answered

Chosen Option : A

Q.139 The lamp used in a cinema projector is:

- Ans
- A. carbon lamp
  - B. carbon arc lamp
  - C. tungsten filament lamp
  - D. neon lamp

Question ID : 630680418190

Option 1 ID : 6306801631495

Option 2 ID : 6306801631498

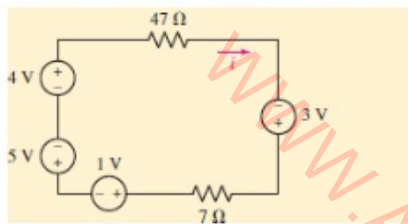
Option 3 ID : 6306801631497

Option 4 ID : 6306801631496

Status : Answered

Chosen Option : B

Q.140 What is the value of I in the given circuit?



- Ans
- A. -54 A
  - B. 5.4 A
  - C. 54 A
  - D. -5.4 A

Question ID : 630680418080

Option 1 ID : 6306801631057

Option 2 ID : 6306801631058

Option 3 ID : 6306801631056

Option 4 ID : 6306801631055

Status : Answered

Chosen Option : B

Q.141 In which type of winding is the equaliser ring needed?

- Ans
- A. Both lap and wave winding
  - B. Lap winding
  - C. Equaliser ring is not used in any winding.
  - D. Wave winding

Question ID : 630680418134

Option 1 ID : 6306801631272

Option 2 ID : 6306801631274

Option 3 ID : 6306801631271

Option 4 ID : 6306801631273

Status : Answered

Chosen Option : B

Q.142 The number of terminals in MOSFET is:

- Ans  A. 03  
 B. 01  
 C. 02  
 D. 04

Question ID : 630680418098  
Option 1 ID : 6306801631129  
Option 2 ID : 6306801631127  
Option 3 ID : 6306801631128  
Option 4 ID : 6306801631130  
Status : Answered  
Chosen Option : A

Q.143 The short circuit test on a synchronous machine is done on:

- Ans  A. reduced field current  
 B. reduced armature voltage  
 C. reduced armature current  
 D. reduced load

Question ID : 630680418195  
Option 1 ID : 6306801631515  
Option 2 ID : 6306801631517  
Option 3 ID : 6306801631516  
Option 4 ID : 6306801631518  
Status : Answered  
Chosen Option : B

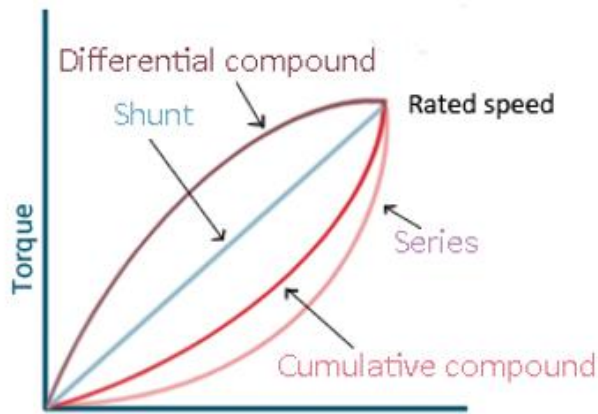
Q.144 The device that provides protection against earth leakage is known as:

- Ans  A. miniature circuit breaker  
 B. buchholz relay  
 C. earth leakage circuit breaker  
 D. thermal overload relay

Question ID : 630680418159  
Option 1 ID : 6306801631372  
Option 2 ID : 6306801631374  
Option 3 ID : 6306801631371  
Option 4 ID : 6306801631373  
Status : Answered  
Chosen Option : C



Q.145 What is the parameter on X-axis?



- Ans  A. Armature current  
 B. Field current  
 C. Flux  
 D. Speed

Question ID : 630680418149  
 Option 1 ID : 6306801631333  
 Option 2 ID : 6306801631332  
 Option 3 ID : 6306801631331  
 Option 4 ID : 6306801631334  
 Status : Answered  
 Chosen Option : D

Q.146 How many junctions are present in a P-N diode?

- Ans  A. 03  
 B. 01  
 C. 04  
 D. 02

Question ID : 630680418091  
 Option 1 ID : 6306801631101  
 Option 2 ID : 6306801631099  
 Option 3 ID : 6306801631102  
 Option 4 ID : 6306801631100  
 Status : Answered  
 Chosen Option : B

Q.147 Which of the following is NOT a system of units?

- Ans  A. ABC  
 B. SI  
 C. MKS  
 D. CGS

Question ID : 630680418055  
 Option 1 ID : 6306801630958  
 Option 2 ID : 6306801630955  
 Option 3 ID : 6306801630956  
 Option 4 ID : 6306801630957  
 Status : Answered  
 Chosen Option : A

**Q.148** If  $R$  is the value of resistance of a wire whose length is  $L$ , cross-sectional area is  $A$ , and temperature is  $T$ , then the INCORRECT statement is:

- Ans
- A.  $R$  is inversely proportional to  $A$
  - B.  $R$  is proportional to  $L$
  - C.  $R$  is proportional to  $T$
  - D.  $R$  is inversely proportional to  $L$

Question ID : 630680418120  
 Option 1 ID : 6306801631215  
 Option 2 ID : 6306801631216  
 Option 3 ID : 6306801631218  
 Option 4 ID : 6306801631217  
 Status : Answered  
 Chosen Option : D

**Q.149** एक चल कुंडली वोल्टमापी में 100 डिवीजनों (खंडों) वाला एक समान पैमाना है और यह 200 V की पूर्ण स्केल रीडिंग देता है। यंत्र निश्चितता की उचित डिग्री के साथ स्केल डिवीजन के 1/5 तक रीड कर सकता है। वोल्ट में यंत्र का वियोजन (resolution) \_\_\_\_\_ है।

- Ans
- A. 4 V
  - B. 0.6 V
  - C. 2 V
  - D. 0.4 V

Question ID : 630680418182  
 Option 1 ID : 6306801631463  
 Option 2 ID : 6306801631465  
 Option 3 ID : 6306801631464  
 Option 4 ID : 6306801631466  
 Status : Answered  
 Chosen Option : D

**Q.150** The equivalent capacitance of the following circuit is:



- Ans
- A.  $1 \mu\text{F}$
  - B.  $4/3 \mu\text{F}$
  - C.  $3/4 \mu\text{F}$
  - D.  $4 \mu\text{F}$

Question ID : 630680418074  
 Option 1 ID : 6306801631034  
 Option 2 ID : 6306801631032  
 Option 3 ID : 6306801631031  
 Option 4 ID : 6306801631033  
 Status : Answered  
 Chosen Option : A