



UTTAR PRADESH POWER CORPORATION LTD.

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Test Center Name	
Test Date	03/11/2023
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Subject	Technician Electrical

Section : Computer Knowledge - CCC Level of NIELIT

Q.1 CPU is also called _____.

- Ans**
- A. semi-processor
 - B. miniprocessor
 - C. microprocessor
 - D. multi-processor

Question ID : **630680417447**
 Option 1 ID : **6306801628550**
 Option 2 ID : **6306801628548**
 Option 3 ID : **6306801628547**
 Option 4 ID : **6306801628549**
 Status : **Answered**
 Chosen Option : **C**

Q.2 Which of the following is the default tab in MS-Word 2019?

- Ans**
- A. Layout
 - B. Home
 - C. File
 - D. Design

Question ID : **630680417454**
 Option 1 ID : **6306801628578**
 Option 2 ID : **6306801628577**
 Option 3 ID : **6306801628576**
 Option 4 ID : **6306801628575**
 Status : **Answered**
 Chosen Option : **B**

Q.3 Which of the following slide layouts in MS-PowerPoint 2010 contains no elements and can be designed as per your requirement?

- Ans A. Blank Slide
 B. Two Content Slide
 C. Title Only Slide
 D. Title and Content Slide

Question ID : 630680417477
Option 1 ID : 6306801628667
Option 2 ID : 6306801628670
Option 3 ID : 6306801628668
Option 4 ID : 6306801628669
Status : Answered
Chosen Option : A

Q.4 A _____ is an image that fills the screen whenever the computer is left idle for some time.

- Ans A. shortcut menu
 B. wallpaper
 C. system tray
 D. screen saver

Question ID : 630680417450
Option 1 ID : 6306801628562
Option 2 ID : 6306801628560
Option 3 ID : 6306801628561
Option 4 ID : 6306801628559
Status : Answered
Chosen Option : D

Q.5 What is the full form of AWS?

- Ans A. Actual Web Services
 B. Amazon Web Software
 C. Artificial World Services
 D. Amazon Web Services

Question ID : 630680417487
Option 1 ID : 6306801628710
Option 2 ID : 6306801628707
Option 3 ID : 6306801628709
Option 4 ID : 6306801628708
Status : Answered
Chosen Option : D

Q.6 The final output available to a user on a monitor is known as _____.

- Ans A. soft copy
 B. bytes
 C. hard copy
 D. software

Question ID : 630680417446
Option 1 ID : 6306801628545
Option 2 ID : 6306801628546
Option 3 ID : 6306801628543
Option 4 ID : 6306801628544
Status : Answered
Chosen Option : A

Q.7 Which of the following views is NOT supported in MS-PowerPoint 2010?

- Ans A. Reverse
 B. Reading
 C. Normal
 D. Slide Sorter

Question ID : 630680417475
Option 1 ID : 6306801628661
Option 2 ID : 6306801628662
Option 3 ID : 6306801628660
Option 4 ID : 6306801628659
Status : Not Answered
Chosen Option : --

Q.8 Which of the following keyboard shortcuts in MS-Word 2010 is used to go to the File tab?

- Ans A. Alt + H
 B. Alt + G
 C. Alt + F
 D. Alt + N

Question ID : 630680417459
Option 1 ID : 6306801628596
Option 2 ID : 6306801628598
Option 3 ID : 6306801628595
Option 4 ID : 6306801628597
Status : Answered
Chosen Option : C

Q.9 What is the full form of IAB in the context of the internet?

- Ans A. Internet Architecture Board
 B. Internet Actual Blacklist
 C. Internal Architecture Board
 D. Internet Architecture Bureau

Question ID : 630680417468
Option 1 ID : 6306801628632
Option 2 ID : 6306801628634
Option 3 ID : 6306801628631
Option 4 ID : 6306801628633
Status : Answered
Chosen Option : C

Q.10 Which of the following keyboard shortcuts is used to centre align text in MS-Word 2019?

- Ans A. Ctrl + E
 B. Ctrl + A
 C. Ctrl + W
 D. Ctrl + C

Question ID : 630680417458
Option 1 ID : 6306801628592
Option 2 ID : 6306801628591
Option 3 ID : 6306801628594
Option 4 ID : 6306801628593
Status : Answered
Chosen Option : A

Q.11 What is the default name of the first worksheet in an MS-Excel 2010 workbook?

- Ans A. WSheet1
 B. Spreadsheet1
 C. Sheet1
 D. Worksheet1

Question ID : 630680417460
Option 1 ID : 6306801628602
Option 2 ID : 6306801628600
Option 3 ID : 6306801628601
Option 4 ID : 6306801628599
Status : Not Answered
Chosen Option : --

Q.12 Which of the following statements related to MS-Excel 2010 is correct?

- (a) You can select multiple sheet tabs at once by holding down the Ctrl key.
(b) The worksheets i.e., Sheet1, Sheet2 and Sheet3 are displayed on the Title bar.

- Ans A. Only (b)
 B. Neither (a) nor (b)
 C. Both (a) and (b)
 D. Only (a)

Question ID : 630680417465
Option 1 ID : 6306801628620
Option 2 ID : 6306801628622
Option 3 ID : 6306801628621
Option 4 ID : 6306801628619
Status : Not Answered
Chosen Option : --

Q.13 The 'Paste' command belongs to which of the following groups of MS-PowerPoint 2010?

- Ans A. Slides
 B. Paragraph
 C. Clipboard
 D. Font

Question ID : 630680417473
Option 1 ID : 6306801628653
Option 2 ID : 6306801628651
Option 3 ID : 6306801628654
Option 4 ID : 6306801628652
Status : Answered
Chosen Option : C

Q.14 Which of the following is NOT a characteristic of WWW?

- Ans
- A. The web provides an easy-to-use and interactive user interface by making use of hyperlinks, textboxes, checkboxes, etc.
 - B. The web can contain any kind of information such as text, images, audio and video.
 - C. It is a consistent way of accessing information either by clicking a hyperlink or by entering a specific address.
 - D. It is a formal set of rules and conventions that govern how computers exchange information over a network medium.

Question ID : 630680417469

Option 1 ID : 6306801628636

Option 2 ID : 6306801628635

Option 3 ID : 6306801628638





Option 4 ID : 6306801628637

Status : Answered

Chosen Option : D

Q.15 Which of the following is the logo of Google Cloud Platform?

Ans

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

Question ID : 630680417491

Option 1 ID : 6306801628725

Option 2 ID : 6306801628726

Option 3 ID : 6306801628724

Option 4 ID : 6306801628723

Status : Answered

Chosen Option : A

Q.16 What is the maximum limit for NEFT transaction?

- Ans
- A. Rs. 10,00,000
 - B. Rs. 50,000
 - C. Rs. 1,00,000
 - D. No limit

Question ID : 630680417485

Option 1 ID : 6306801628701

Option 2 ID : 6306801628699

Option 3 ID : 6306801628700

Option 4 ID : 6306801628702

Status : Not Answered

Chosen Option : --

Q.17 Which of the following will display the values for the current month in number format in MS-Excel 2010?

- Ans
- A. =TEXT(TODAY(), "DDDD")
 - B. =MONTH(TODAY())
 - C. =YEAR(TODAY())
 - D. =TEXT(TODAY(), "MMMM")

Question ID : 630680417467
Option 1 ID : 6306801628630
Option 2 ID : 6306801628627
Option 3 ID : 6306801628628
Option 4 ID : 6306801628629
Status : Answered
Chosen Option : B

Q.18 Which of the following input devices optically scans text, character by character, turns it into a machine-readable code and saves it to the system memory?

- Ans
- A. Light pen
 - B. Web camera
 - C. Scanner
 - D. OCR (Optical Character Recognition)

Question ID : 630680417444
Option 1 ID : 6306801628538
Option 2 ID : 6306801628537
Option 3 ID : 6306801628536
Option 4 ID : 6306801628535
Status : Answered
Chosen Option : D

Q.19 In MS-Word 2010, _____ is used to create a large capital letter at the beginning of a paragraph.

- Ans
- A. smart art
 - B. header
 - C. chart
 - D. drop cap

Question ID : 630680417456
Option 1 ID : 6306801628584
Option 2 ID : 6306801628583
Option 3 ID : 6306801628585
Option 4 ID : 6306801628586
Status : Answered
Chosen Option : D

Q.20 There are _____ digits present in an IFSC code.

- Ans A. 9
 B. 11
 C. 5
 D. 7

Question ID : 630680417484
Option 1 ID : 6306801628697
Option 2 ID : 6306801628698
Option 3 ID : 6306801628695
Option 4 ID : 6306801628696
Status : Answered
Chosen Option : B

Q.21 Which of the following is NOT an internal component of a computer system?

- Ans A. Operating system
 B. CPU (Central Processing Unit)
 C. NIC (Network Interface Card)
 D. Heat sink

Question ID : 630680417443
Option 1 ID : 6306801628533
Option 2 ID : 6306801628531
Option 3 ID : 6306801628534
Option 4 ID : 6306801628532
Status : Answered
Chosen Option : C

Q.22 Each webpage on the internet has a unique address called _____.

- Ans A. URL
 B. FTP
 C. protocol
 D. WWW

Question ID : 630680417470
Option 1 ID : 6306801628639
Option 2 ID : 6306801628640
Option 3 ID : 6306801628641
Option 4 ID : 6306801628642
Status : Answered
Chosen Option : A

Q.23 Identify the pointing device of a computer.

- Ans A. Scanner
 B. Mouse
 C. Plotter
 D. Keyboard

Question ID : 630680417442
Option 1 ID : 6306801628530
Option 2 ID : 6306801628527
Option 3 ID : 6306801628529
Option 4 ID : 6306801628528
Status : Answered
Chosen Option : B

Q.24 When you delete an item from any of the drives on your computer by making use of the Delete key or even by simply right-clicking and selecting the 'Delete' option, the file is moved to _____ in the Windows OS.

- Ans
- A. Taskbar
 - B. Control Panel
 - C. Start menu
 - D. Recycle Bin













Question ID : 630680417449
 Option 1 ID : 6306801628558
 Option 2 ID : 6306801628555
 Option 3 ID : 6306801628556
 Option 4 ID : 6306801628557
 Status : Answered
 Chosen Option : D

Q.25 What is the default alignment of numeric values that are entered into the cell of an MS-Excel worksheet?

- Ans
- A. Left
 - B. Justify
 - C. Right
 - D. Center

Question ID : 630680417463
 Option 1 ID : 6306801628611
 Option 2 ID : 6306801628614
 Option 3 ID : 6306801628612
 Option 4 ID : 6306801628613
 Status : Answered
 Chosen Option : C

Q.26 If a window screen is already maximised, then which of the following options is used to shrink the window to its previous size?

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

Question ID : 630680417452
 Option 1 ID : 6306801628570
 Option 2 ID : 6306801628568
 Option 3 ID : 6306801628569
 Option 4 ID : 6306801628567
 Status : Answered
 Chosen Option : C

Q.27 Which of the following statements related to email is correct?

- (a) Quoting is useful as it reminds the receiver of the message that is being replied to.
(b) The CC field includes email addresses of all those recipients whose addresses will not be visible to any other recipient.

- Ans A. Only (a)
 B. Both (a) and (b)
 C. Only (b)
 D. Neither (a) nor (b)

Question ID : 630680417481
Option 1 ID : 6306801628683
Option 2 ID : 6306801628685
Option 3 ID : 6306801628684
Option 4 ID : 6306801628686
Status : Answered
Chosen Option : A

Q.28 In MS-Excel, which of the following is a graphical representation of data in a worksheet that shows comparison patterns and trends?

- Ans A. AutoSum
 B. AutoFill
 C. Charts
 D. Pivot table

Question ID : 630680417466
Option 1 ID : 6306801628626
Option 2 ID : 6306801628623
Option 3 ID : 6306801628625
Option 4 ID : 6306801628624
Status : Answered
Chosen Option : C

Q.29 A/An _____ is a company that provides access to the internet.

- Ans A. WWW
 B. ISP
 C. URL
 D. FTP

Question ID : 630680417471
Option 1 ID : 6306801628646
Option 2 ID : 6306801628644
Option 3 ID : 6306801628643
Option 4 ID : 6306801628645
Status : Answered
Chosen Option : B

Q.30 Which of the following websites does NOT provide email service?

- Ans A. <http://www.gmail.com>
 B. <http://www.yahoo.com>
 C. <http://www.hotmail.com>
 D. <http://www.website.com>

Question ID : 630680417480
Option 1 ID : 6306801628681
Option 2 ID : 6306801628679
Option 3 ID : 6306801628682
Option 4 ID : 6306801628680
Status : Answered
Chosen Option : D

Q.31 Which of the following is NOT a component of an MS-PowerPoint 2010 window?

- Ans A. Title bar
 B. Quick Access toolbar
 C. Notes Pane
 D. Audio tab

Question ID : 630680417474
Option 1 ID : 6306801628657
Option 2 ID : 6306801628656
Option 3 ID : 6306801628658
Option 4 ID : 6306801628655
Status : Not Answered
Chosen Option : --

Q.32 Which of the following is a temporary and on-demand connection established between a computer and the ISP by using a standard phone line and modem?

- Ans A. Dial-up access
 B. Broadband
 C. Leased line
 D. Wi-Fi

Question ID : 630680417472
Option 1 ID : 6306801628648
Option 2 ID : 6306801628649
Option 3 ID : 6306801628647
Option 4 ID : 6306801628650
Status : Answered
Chosen Option : A

Q.33 Which of the following is NOT an example of a word processor?

- Ans A. Google Docs
 B. MS-Access
 C. MS-Word
 D. WordPad

Question ID : 630680417453
Option 1 ID : 6306801628571
Option 2 ID : 6306801628573
Option 3 ID : 6306801628574
Option 4 ID : 6306801628572
Status : Answered
Chosen Option : A

Q.34 Which of the following features of MS-Word 2010 helps to repeat content at the top of every page without adding it on every page?

- Ans
- A. Links
 - B. Textbox
 - C. Comment
 - D. Header

Question ID : 630680417457
Option 1 ID : 6306801628590
Option 2 ID : 6306801628588
Option 3 ID : 6306801628589
Option 4 ID : 6306801628587
Status : Answered
Chosen Option : D

Q.35 NEFT works on the principle of _____ which settles transactions in batches.

- Ans
- A. Gross Batch Settlement (GBS)
 - B. Domain Name Settlement (DNS)
 - C. Reserve Bank of India (RBI)
 - D. Deferred Net Settlement (DNS)

Question ID : 630680417486
Option 1 ID : 6306801628705
Option 2 ID : 6306801628706
Option 3 ID : 6306801628704
Option 4 ID : 6306801628703
Status : Not Answered
Chosen Option : --

Q.36 Net banking is also known as _____.

- Ans
- A. e-transfer
 - B. e-commerce
 - C. e-banking
 - D. e-process

Question ID : 630680417483
Option 1 ID : 6306801628694
Option 2 ID : 6306801628692
Option 3 ID : 6306801628691
Option 4 ID : 6306801628693
Status : Answered
Chosen Option : C

Q.37 In an MS-Word 2010 document, an email address text string is automatically shown as a hyperlink. To remove this link which of the following options is selected?

- Ans
- A. Edit Hyperlink
 - B. Remove Underline
 - C. Remove Hyperlink
 - D. Convert to Regular Text

Question ID : 630680417455
Option 1 ID : 6306801628582
Option 2 ID : 6306801628579
Option 3 ID : 6306801628580
Option 4 ID : 6306801628581
Status : Answered
Chosen Option : A

Q.38 Computer memory is classified into:

- Ans A. inside and outside
 B. input and output
 C. internal and external
 D. introvert and extrovert

Question ID : 630680417445
Option 1 ID : 6306801628541
Option 2 ID : 6306801628542
Option 3 ID : 6306801628539
Option 4 ID : 6306801628540
Status : Answered
Chosen Option : C

Q.39 Which of the following Windows versions supports an additional feature called 'virtual desktop', that allows you to have multiple desktop screens where you can keep open windows organised?

- Ans A. Windows Vista
 B. Windows XP
 C. Windows 10
 D. Windows 8

Question ID : 630680417451
Option 1 ID : 6306801628566
Option 2 ID : 6306801628565
Option 3 ID : 6306801628564
Option 4 ID : 6306801628563
Status : Not Answered
Chosen Option : --

Q.40 The process of sending a received message to someone else is known as _____ a message.

- Ans A. deleting
 B. downloading
 C. chatting
 D. forwarding

Question ID : 630680417482
Option 1 ID : 6306801628689
Option 2 ID : 6306801628687
Option 3 ID : 6306801628688
Option 4 ID : 6306801628690
Status : Answered
Chosen Option : D

Q.41 The _____ in MS-PowerPoint 2010 is used to edit and design slides.

- Ans A. Notes Pane
 B. Status bar
 C. Title bar
 D. Slides Pane

Question ID : 630680417476
Option 1 ID : 6306801628666
Option 2 ID : 6306801628664
Option 3 ID : 6306801628665
Option 4 ID : 6306801628663
Status : Answered
Chosen Option : D

Q.42 Which of the following functions is used to determine the lowest number within a range in MS-Excel 2010?

- Ans A. MAX
 B. MIN
 C. SUM
 D. MID

Question ID : 630680417461
Option 1 ID : 6306801628604
Option 2 ID : 6306801628603
Option 3 ID : 6306801628605
Option 4 ID : 6306801628606
Status : Answered
Chosen Option : B

Q.43 Which of the following statements related to email is correct?

- (a) Email is like a 24-hour post office where one can receive and send mails at almost no cost.
(b) An email address can have letters, numbers, full stops, hyphens and underscores.

- Ans A. Only (b)
 B. Neither (a) nor (b)
 C. Both (a) and (b)
 D. Only (a)

Question ID : 630680417479
Option 1 ID : 6306801628676
Option 2 ID : 6306801628678
Option 3 ID : 6306801628677
Option 4 ID : 6306801628675
Status : Answered
Chosen Option : C

Q.44 Which of the following keyboard shortcuts is used to minimise a workbook window in MS-Excel 2010?

- Ans A. Ctrl + F9
 B. Ctrl + F5
 C. Ctrl + F3
 D. Ctrl + F7

Question ID : 630680417464
Option 1 ID : 6306801628618
Option 2 ID : 6306801628616
Option 3 ID : 6306801628615
Option 4 ID : 6306801628617
Status : Not Answered
Chosen Option : --

Q.45 Which view is used to write and design a presentation in MS-PowerPoint 2010?

- Ans
- A. Notes
 - B. Slide Show
 - C. Slide Sorter
 - D. Normal

Question ID : 630680417478
Option 1 ID : 6306801628672
Option 2 ID : 6306801628671
Option 3 ID : 6306801628673
Option 4 ID : 6306801628674
Status : Answered
Chosen Option : B

Q.46 AWS is a secure cloud service platform provided by _____.

- Ans
- A. Flipkart
 - B. Google
 - C. Microsoft
 - D. Amazon

Question ID : 630680417488
Option 1 ID : 6306801628714
Option 2 ID : 6306801628712
Option 3 ID : 6306801628713
Option 4 ID : 6306801628711
Status : Answered
Chosen Option : D

Q.47 Which of the following is NOT a cloud service provider company?

- Ans
- A. Amazon Web Services
 - B. Google Cloud Platform
 - C. Virtual Cloud Service
 - D. Microsoft Azure

Question ID : 630680417490
Option 1 ID : 6306801628719
Option 2 ID : 6306801628721
Option 3 ID : 6306801628722
Option 4 ID : 6306801628720
Status : Not Answered
Chosen Option : --

Q.48 In Windows 10, to open the Start menu, one must press the _____ key on the keyboard.

- Ans
- A. Windows
 - B. Esc
 - C. Home
 - D. Backspace

Question ID : 630680417448
Option 1 ID : 6306801628552
Option 2 ID : 6306801628554
Option 3 ID : 6306801628551
Option 4 ID : 6306801628553
Status : Answered
Chosen Option : B

Q.49 Which of the following options is used to display the content of an active cell in MS-Excel 2010?

- Ans A. Ruler
 B. Formula bar
 C. Scroll bar
 D. Title bar

Question ID : 630680417462
Option 1 ID : 6306801628609
Option 2 ID : 6306801628608
Option 3 ID : 6306801628607
Option 4 ID : 6306801628610
Status : Answered
Chosen Option : B

Q.50 Which of the following service providers is a third-party company that offers a cloud-based platform, infrastructure and application or storage services?

- Ans A. Java service provider
 B. Email service provider
 C. Cloud service provider
 D. Client service provider

Question ID : 630680417489
Option 1 ID : 6306801628716
Option 2 ID : 6306801628717
Option 3 ID : 6306801628715
Option 4 ID : 6306801628718
Status : Not Answered
Chosen Option : --

Section : General Study & Logical Reasoning

Q.1 Who is the only Indian woman to win two world wrestling championship medals?

- Ans A. Anshu Malik
 B. Priya Malik
 C. Vinesh Phogat
 D. Reshma Mane

Question ID : 630680417499
Option 1 ID : 6306801628756
Option 2 ID : 6306801628757
Option 3 ID : 6306801628755
Option 4 ID : 6306801628758
Status : Answered
Chosen Option : A

Q.2 Much before the final showdown at the battle of Panipat (1526), Babur had invaded India _____ times.

- Ans A. four
 B. two
 C. three
 D. five

Question ID : 630680417492
Option 1 ID : 6306801628729
Option 2 ID : 6306801628727
Option 3 ID : 6306801628728
Option 4 ID : 6306801628730
Status : Answered
Chosen Option : A

Q.3 Who took over as the Union Minister of Steel in addition to being the Minister of Civil Aviation in July 2022?

- Ans A. Ramchandra Prasad
 B. Narendra Singh Tomar
 C. Ashwini Vaishnav
 D. Jyotiraditya Scindia

Question ID : 630680417501
Option 1 ID : 6306801628765
Option 2 ID : 6306801628764
Option 3 ID : 6306801628766
Option 4 ID : 6306801628763
Status : Answered
Chosen Option : D

Q.4 Which article ensures Abolition of titles?

- Ans A. Article 21
 B. Article 26
 C. Article 18
 D. Article 08

Question ID : 630680417500
Option 1 ID : 6306801628761
Option 2 ID : 6306801628762
Option 3 ID : 6306801628760
Option 4 ID : 6306801628759
Status : Answered
Chosen Option : C

Q.5 The Neelum River is also known as Kishanganga which joins the ____ near Muzaffarabad.

- Ans A. Beas River
 B. Jhelum River
 C. Ravi River
 D. Satluj River

Question ID : 630680417496
Option 1 ID : 6306801628744
Option 2 ID : 6306801628743
Option 3 ID : 6306801628746
Option 4 ID : 6306801628745
Status : Not Answered
Chosen Option : --

Q.6 If in a code, 'D' is written as '4' and 'GONE' is written as '41', then in the same code, 'WORD' will be written as:

- Ans**
- A. 70
 - B. 40
 - C. 50
 - D. 60

Question ID : **630680417504**
Option 1 ID : **6306801628777**
Option 2 ID : **6306801628776**
Option 3 ID : **6306801628778**
Option 4 ID : **6306801628775**
Status : **Answered**
Chosen Option : **A**

Q.7 Select the number from among the given options that can replace the question mark (?) in the following series.

440, 439, 430, 405, 356, ?

- Ans**
- A. 295
 - B. 285
 - C. 265
 - D. 275

Question ID : **630680417509**
Option 1 ID : **6306801628797**
Option 2 ID : **6306801628795**
Option 3 ID : **6306801628798**
Option 4 ID : **6306801628796**
Status : **Answered**
Chosen Option : **D**

Q.8 Which two numbers should be interchanged to make the following equation correct?

$29 + 14 \times 49 \div 13 - 65 = 50$

- Ans**
- A. 14 and 29
 - B. 49 and 65
 - C. 13 and 14
 - D. 13 and 65

Question ID : **630680417511**
Option 1 ID : **6306801628804**
Option 2 ID : **6306801628805**
Option 3 ID : **6306801628806**
Option 4 ID : **6306801628803**
Status : **Answered**
Chosen Option : **B**

Q.9 Which insurance company entered the Fortune Global 500 list for the first time in August 2022?

- Ans
- A. Edelweiss Tokio Life Insurance Company
 - B. Canara HSBC Oriental Bank of Commerce
 - C. Life Insurance Corporation of India
 - D. Bajaj Allianz Life Insurance Company

Question ID : 630680417495
Option 1 ID : 6306801628740
Option 2 ID : 6306801628742
Option 3 ID : 6306801628741
Option 4 ID : 6306801628739
Status : Answered
Chosen Option : A

Q.10 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans
- A. VTR
 - B. PNL
 - C. JHF
 - D. MJG

Question ID : 630680417503
Option 1 ID : 6306801628772
Option 2 ID : 6306801628774
Option 3 ID : 6306801628771
Option 4 ID : 6306801628773
Status : Answered
Chosen Option : D

Q.11 The National Centre for the Performing Arts (NCPA) is located at _____.

- Ans
- A. Lucknow
 - B. Chennai
 - C. Mumbai
 - D. Odisha

Question ID : 630680417494
Option 1 ID : 6306801628735
Option 2 ID : 6306801628738
Option 3 ID : 6306801628737
Option 4 ID : 6306801628736
Status : Answered
Chosen Option : D

Q.12 The Hidsingh Irrigation Project is a reservoir project proposed in _____ basin in Odisha.

- Ans
- A. Brahmani
 - B. Baitarani
 - C. Subarnarekha
 - D. Mahanadi

Question ID : 630680417497
Option 1 ID : 6306801628749
Option 2 ID : 6306801628748
Option 3 ID : 6306801628750
Option 4 ID : 6306801628747
Status : Not Answered
Chosen Option : --

Q.13 A is the brother of B, C is the father of A, D is the mother of C, and E is the son of A. How is A related to the child of E?

- Ans**
- A. Son
 - B. Father
 - C. Paternal grandfather
 - D. Paternal grandmother

Question ID : 630680417505
Option 1 ID : 6306801628780
Option 2 ID : 6306801628781
Option 3 ID : 6306801628782
Option 4 ID : 6306801628779
Status : Answered
Chosen Option : B

Q.14 Read the following information carefully and answer the question that follows.

If

'A – B' means 'A is the son of B',

'A × B' means 'A is the father of B',

'A ÷ B' means 'A is the sister of B', and

'A + B' means 'A is the brother of B',

then how is E related to N in the expression 'E – G + H × K – N'?

- Ans**
- A. Father
 - B. Son
 - C. Grandson
 - D. Granddaughter

Question ID : 630680417506
Option 1 ID : 6306801628785
Option 2 ID : 6306801628784
Option 3 ID : 6306801628786
Option 4 ID : 6306801628783
Status : Answered
Chosen Option : C

Q.15 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

P_MP_M_RMP_MP_M_RM

- Ans**
- A. RRPRRP
 - B. RPRRMP
 - C. RPRRPR
 - D. MPRPPR

Question ID : 630680417502
Option 1 ID : 6306801628768
Option 2 ID : 6306801628770
Option 3 ID : 6306801628767
Option 4 ID : 6306801628769
Status : Answered
Chosen Option : A

Q.16 Who is the winner of the Ranji Trophy 2022?

- Ans A. Mumbai
 B. Andhra Pradesh
 C. Madhya Pradesh
 D. Chhattisgarh

Question ID : 630680417498
Option 1 ID : 6306801628751
Option 2 ID : 6306801628752
Option 3 ID : 6306801628753
Option 4 ID : 6306801628754
Status : Answered
Chosen Option : A

Q.17 Select the option in which the words share the same relationship as that shared by the given pair of words.

Calendar : Dates

- Ans A. Contents : Magazine
 B. Dictionary : Words
 C. Preface : Books
 D. Book : Language

Question ID : 630680417507
Option 1 ID : 6306801628789
Option 2 ID : 6306801628787
Option 3 ID : 6306801628790
Option 4 ID : 6306801628788
Status : Answered
Chosen Option : B

Q.18 Which of the following books has been authored by Anurag Thakur, the Union Minister of Information and Broadcasting?

- Ans A. Getting India Back on Track
 B. Mood, Moments and Memories
 C. India: The Future is Now
 D. The living Mountain

Question ID : 630680417493
Option 1 ID : 6306801628731
Option 2 ID : 6306801628734
Option 3 ID : 6306801628733
Option 4 ID : 6306801628732
Status : Answered
Chosen Option : A

Q.19 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans** A. TVX
 B. DGJ
 C. KNQ
 D. QTW

Question ID : 630680417508
 Option 1 ID : 6306801628792
 Option 2 ID : 6306801628791
 Option 3 ID : 6306801628794
 Option 4 ID : 6306801628793
 Status : Answered
 Chosen Option : A

Q.20 If '+' means '-', '-' means '+', '+' means '-' and '-' means '+', then what will come in place of the question mark (?) in the following equation?

$$27 + 9 - 11 \times 18 + 6 = ?$$

- Ans** A. 123
 B. 129
 C. 125
 D. 127

Question ID : 630680417510
 Option 1 ID : 6306801628799
 Option 2 ID : 6306801628800
 Option 3 ID : 6306801628801
 Option 4 ID : 6306801628802
 Status : Answered
 Chosen Option : A

Section : General Hindi

Q.1 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए-

- Ans** A. प्राप्त करने के लिए सफलता मन लगाकर काम करना होगा।
 B. काम करना होगा मन लगाकर प्राप्त करने के लिए सफलता।
 C. मन लगाकर काम करना होगा प्राप्त करने के लिए सफलता।
 D. सफलता प्राप्त करने के लिए मन लगाकर काम करना होगा।

Question ID : 630680417513
 Option 1 ID : 6306801628813
 Option 2 ID : 6306801628814
 Option 3 ID : 6306801628812
 Option 4 ID : 6306801628811
 Status : Answered
 Chosen Option : D

Q.2 'हतक' का पर्याय निम्न में से है-

- Ans A. अपकर्ष
 B. दूषित
 C. स्थिति
 D. अपमान

Question ID : 630680417520
Option 1 ID : 6306801628840
Option 2 ID : 6306801628842
Option 3 ID : 6306801628841
Option 4 ID : 6306801628839
Status : Not Answered
Chosen Option : --

Q.3 'हुताशन' का पर्यायवाची है-

- Ans A. वायु
 B. पृथ्वी
 C. आकाश
 D. अग्नि

Question ID : 630680417519
Option 1 ID : 6306801628835
Option 2 ID : 6306801628837
Option 3 ID : 6306801628836
Option 4 ID : 6306801628838
Status : Answered
Chosen Option : D

Q.4 संदिग्ध भूत क्रिया पदों से वाक्य पूर्ण करें—
उसने खाना खा लिया _____।

- Ans A. होगा
 B. था
 C. रहा था
 D. है

Question ID : 630680417514
Option 1 ID : 6306801628816
Option 2 ID : 6306801628815
Option 3 ID : 6306801628818
Option 4 ID : 6306801628817
Status : Answered
Chosen Option : A

Q.5 'विकीर्ण' का विलोम शब्द है-

- Ans A. अनैक्य
 B. एकत्र
 C. उल्लास
 D. अनेक

Question ID : 630680417521
Option 1 ID : 6306801628845
Option 2 ID : 6306801628844
Option 3 ID : 6306801628846
Option 4 ID : 6306801628843
Status : Answered
Chosen Option : B

Q.6 कारक विभक्ति चिह्न प्रयोग की दृष्टि से अशुद्ध वाक्य है-

- Ans A. मोहन की मुर्तियाँ रोज़ अंडे देती हैं।
 B. सही समय में सही काम करना चाहिए।
 C. राम अयोध्या से वन को गए।
 D. उद्यान में रंग-रंग के फूल खिले हैं।

Question ID : 630680417515
Option 1 ID : 6306801628822
Option 2 ID : 6306801628820
Option 3 ID : 6306801628819
Option 4 ID : 6306801628821
Status : Answered
Chosen Option : B

Q.7 उचित विशेषण शब्द से वाक्य पूर्ण करें—
व्यक्ति जीवन में कभी सफल नहीं होते।

- Ans A. आलसी
 B. परिश्रमी
 C. सरल
 D. कठोर

Question ID : 630680417516
Option 1 ID : 6306801628824
Option 2 ID : 6306801628823
Option 3 ID : 6306801628826
Option 4 ID : 6306801628825
Status : Answered
Chosen Option : A

Q.8 'गुल करना' मुहावरे का अर्थ है-

- Ans A. छिपा देना
 B. बुझाना
 C. शोर मचाना
 D. बातें करना

Question ID : 630680417518
Option 1 ID : 6306801628834
Option 2 ID : 6306801628832
Option 3 ID : 6306801628833
Option 4 ID : 6306801628831
Status : Answered
Chosen Option : D

Q.9 सही मुहावरा है-

- Ans A. आसुँओं की बरखा लगना
 B. आसुँओं की कड़ी लगना
 C. आसुँओं की झड़ी लगना
 D. आसुँओं की नदी लगना

Question ID : 630680417517
Option 1 ID : 6306801628827
Option 2 ID : 6306801628828
Option 3 ID : 6306801628829
Option 4 ID : 6306801628830
Status : Answered
Chosen Option : C

Q.10 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए-

- Ans A. कि मरीज़ अब बच नहीं सकता हमें विश्वास है।
 B. विश्वास है हमें कि मरीज़ अब बच नहीं सकता।
 C. हमें विश्वास है कि मरीज़ अब बच नहीं सकता।
 D. बच नहीं सकता कि अब मरीज़ हमें विश्वास है।

Question ID : 630680417512

Option 1 ID : 6306801628809

Option 2 ID : 6306801628810

Option 3 ID : 6306801628808

Option 4 ID : 6306801628807

Status : Answered

Chosen Option : C

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

राजा राममोहन राय प्रथम भारतीय नेता है जिन्होंने भारत में राजनीतिक सुधारों के लिए आंदोलन चलाया। 1858 के बाद शिक्षित भारतीयों तथा अंग्रेजों के भारतीय प्रशासन के बीच की खाई बढ़ती गई। ब्रिटिश शासन के चरित्र तथा भारतीयों के लिए उसके दुष्परिणामों का अध्ययन करने के बाद यह शिक्षित भारतीय भारत में ब्रिटिश नीतियों के मुखर आलोचक बन गए। उनका असंतोष राजनीतिक कार्यकलाप में अभिव्यक्त हुआ। 1866 में लंदन में दादाभाई नौरोजी ने ईस्ट इंडिया एसोसिएशन की स्थापना की। इसका उद्देश्य भारतीय प्रश्नों पर विचार करना तथा भारत के कल्याण की दिशा में ब्रिटेन के नेताओं को प्रभावित करना था। वे भारत के पहले आर्थिक विचारक भी थे। अपने अर्थशास्त्रीय लेखन में उन्होंने सिद्ध किया कि भारत की गरीबी का कारण अंग्रेजों द्वारा उसका शोषण तथा यहाँ का धन ब्रिटेन भेजना था। कांग्रेस-पूर्व राष्ट्रवादी संगठनों में सबसे महत्वपूर्ण कलकत्ता में स्थापित इंडियन एसोसिएशन थी। जिसकी स्थापना सुरेंद्रनाथ तथा आनंदमोहन बोस के नेतृत्व में बंगाल के राष्ट्रवादियों की। इस एसोसिएशन ने अपने सामने राजनीतिक प्रश्नों पर भारतीय जनता को एकताबद्ध करने का लक्ष्य रखा। जस्टिस रानाडे तथा उनके साथियों ने 1870 में पूना सार्वजनिक सभा की स्थापना की। एम.वीर राघवाचारी, जी.सुब्रामन्य अय्यर, आनंद चारुलू तथा दूसरों ने 1885 में बंबे प्रेसीडेंसी एसोसिएशन बनाया। ए.ओ.ह्यूम ने प्रमुख भारतीय नेताओं के सहयोग से बंबई में दिसंबर में भारतीय राष्ट्रीय कांग्रेस के पहले अधिवेशन का आयोजन किया। इसकी अध्यक्षता डब्ल्यू. सी. बनर्जी ने की तथा इसमें 72 प्रतिनिधि शामिल थे। राष्ट्रीय कांग्रेस के उद्देश्य इस प्रकार घोषित किए गए- देश के विभिन्न भागों के राष्ट्रवादी राजनीतिक कार्यकर्ताओं के बीच मैत्रीपूर्ण संबंध विकसित करना, जाति-धर्म-प्रांत का भेद किए बिना राष्ट्रीय एकता की भावना को विकसित तथा मज़बूत करना, जनप्रिय मांगों का निरूपण तथा उन्हें सरकार के सामने रखना, और सबसे महत्वपूर्ण यह कि देश में जनमत को प्रशिक्षित और संगठित करना।

SubQuestion No : 11

Q.11 कांग्रेस की स्थापना के पीछे उद्देश्य नहीं था:

- Ans A. सम्पूर्ण देश के राष्ट्रवादियों के मध्य मैत्रीपूर्ण संबंध स्थापित करना।
 B. जनमत को अंग्रेज़ी राज्य के पक्ष में प्रशिक्षित एवं संगठित करना।
 C. जनप्रिय मांगों का निरूपण तथा उन्हें सरकार के सामने रखना।
 D. बिना किसी भी भेदभाव के राष्ट्रीय एकता की भावना विकसित करना।

Question ID : 630680417527

Option 1 ID : 6306801628865

Option 2 ID : 6306801628866

Option 3 ID : 6306801628863

Option 4 ID : 6306801628864

Status : Answered

Chosen Option : B

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

राजा राममोहन राय प्रथम भारतीय नेता है जिन्होंने भारत में राजनीतिक सुधारों के लिए आंदोलन चलाया। 1858 के बाद शिक्षित भारतीयों तथा अंग्रेजों के भारतीय प्रशासन के बीच की खाई बढ़ती गई। ब्रिटिश शासन के चरित्र तथा भारतीयों के लिए उसके दुष्परिणामों का अध्ययन करने के बाद यह शिक्षित भारतीय भारत में ब्रिटिश नीतियों के मुखर आलोचक बन गए। उनका असंतोष राजनीतिक कार्यकलाप में अभिव्यक्त हुआ। 1866 में लंदन में दादाभाई नौरोजी ने ईस्ट इंडिया एसोसिएशन की स्थापना की। इसका उद्देश्य भारतीय प्रश्नों पर विचार करना तथा भारत के कल्याण की दिशा में ब्रिटेन के नेताओं को प्रभावित करना था। वे भारत के पहले आर्थिक विचारक भी थे। अपने अर्थशास्त्रीय लेखन में उन्होंने सिद्ध किया कि भारत की गरीबी का कारण अंग्रेजों द्वारा उसका शोषण तथा यहाँ का धन ब्रिटेन भेजना था। कांग्रेस-पूर्व राष्ट्रवादी संगठनों में सबसे महत्वपूर्ण कलकत्ता में स्थापित इंडियन एसोसिएशन थी। जिसकी स्थापना सुरेंद्रनाथ तथा आनंदमोहन बोस के नेतृत्व में बंगाल के राष्ट्रवादियों की। इस एसोसिएशन ने अपने सामने राजनीतिक प्रश्नों पर भारतीय जनता को एकताबद्ध करने का लक्ष्य रखा। जस्टिस रानाडे तथा उनके साथियों ने 1870 में पूना सार्वजनिक सभा की स्थापना की। एम.वीर राघवाचारी, जी.सुब्रामन्य अय्यर, आनंद चारुलू तथा दूसरों ने 1885 में बांबे प्रेसीडेंसी एसोसिएशन बनाया। ए.ओ.ह्यूम ने प्रमुख भारतीय नेताओं के सहयोग से बंबई में दिसंबर में भारतीय राष्ट्रीय कांग्रेस के पहले अधिवेशन का आयोजन किया। इसकी अध्यक्षता डब्ल्यू. सी. बनर्जी ने की तथा इसमें 72 प्रतिनिधि शामिल थे। राष्ट्रीय कांग्रेस के उद्देश्य इस प्रकार घोषित किए गए- देश के विभिन्न भागों के राष्ट्रवादी राजनीतिक कार्यकर्ताओं के बीच मैत्रीपूर्ण संबंध विकसित करना, जाति-धर्म-प्रांत का भेद किए बिना राष्ट्रीय एकता की भावना को विकसित तथा मज़बूत करना, जनप्रिय मांगों का निरूपण तथा उन्हें सरकार के सामने रखना, और सबसे महत्वपूर्ण यह कि देश में जनमत को प्रशिक्षित और संगठित करना।

SubQuestion No : 12

Q.12 दादाभाई नौरोजी ने निम्न में से कौन-सा आर्थिक सिद्धांत प्रतिपादित किया--

- Ans A. मुक्त बाज़ार का सिद्धांत
 B. धन की निकासी का सिद्धांत
 C. स्वदेशी को प्रोत्साहन का सिद्धांत
 D. औद्योगिक संबंध : अहस्तक्षेप का सिद्धांत

Question ID : 630680417525

Option 1 ID : 6306801628858

Option 2 ID : 6306801628855

Option 3 ID : 6306801628856

Option 4 ID : 6306801628857

Status : Answered

Chosen Option : A

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

राजा राममोहन राय प्रथम भारतीय नेता है जिन्होंने भारत में राजनीतिक सुधारों के लिए आंदोलन चलाया। 1858 के बाद शिक्षित भारतीयों तथा अंग्रेजों के भारतीय प्रशासन के बीच की खाई बढ़ती गई। ब्रिटिश शासन के चरित्र तथा भारतीयों के लिए उसके दुष्परिणामों का अध्ययन करने के बाद यह शिक्षित भारतीय भारत में ब्रिटिश नीतियों के मुखर आलोचक बन गए। उनका असंतोष राजनीतिक कार्यकलाप में अभिव्यक्त हुआ। 1866 में लंदन में दादाभाई नौरोजी ने ईस्ट इंडिया एसोसिएशन की स्थापना की। इसका उद्देश्य भारतीय प्रश्नों पर विचार करना तथा भारत के कल्याण की दिशा में ब्रिटेन के नेताओं को प्रभावित करना था। वे भारत के पहले आर्थिक विचारक भी थे। अपने अर्थशास्त्रीय लेखन में उन्होंने सिद्ध किया कि भारत की गरीबी का कारण अंग्रेजों द्वारा उसका शोषण तथा यहाँ का धन ब्रिटेन भेजना था। कांग्रेस-पूर्व राष्ट्रवादी संगठनों में सबसे महत्वपूर्ण कलकत्ता में स्थापित इंडियन एसोसिएशन थी। जिसकी स्थापना सुरेंद्रनाथ तथा आनंदमोहन बोस के नेतृत्व में बंगाल के राष्ट्रवादियों की। इस एसोसिएशन ने अपने सामने राजनीतिक प्रश्नों पर भारतीय जनता को एकताबद्ध करने का लक्ष्य रखा। जस्टिस रानाडे तथा उनके साथियों ने 1870 में पूना सार्वजनिक सभा की स्थापना की। एम.वीर राघवाचारी, जी.सुब्रामन्य अय्यर, आनंद चारुलू तथा दूसरों ने 1885 में बांबे प्रेसीडेंसी एसोसिएशन बनाया। ए.ओ.ह्यूम ने प्रमुख भारतीय नेताओं के सहयोग से बंबई में दिसंबर में भारतीय राष्ट्रीय कांग्रेस के पहले अधिवेशन का आयोजन किया। इसकी अध्यक्षता डब्ल्यू. सी. बनर्जी ने की तथा इसमें 72 प्रतिनिधि शामिल थे। राष्ट्रीय कांग्रेस के उद्देश्य इस प्रकार घोषित किए गए- देश के विभिन्न भागों के राष्ट्रवादी राजनीतिक कार्यकर्ताओं के बीच मैत्रीपूर्ण संबंध विकसित करना, जाति-धर्म-प्रांत का भेद किए बिना राष्ट्रीय एकता की भावना को विकसित तथा मज़बूत करना, जनप्रिय मांगों का निरूपण तथा उन्हें सरकार के सामने रखना, और सबसे महत्वपूर्ण यह कि देश में जनमत को प्रशिक्षित और संगठित करना।

SubQuestion No : 13

Q.13 भारतीयों द्वारा राजनीतिक संस्थाओं की स्थापना करने कारण था-

- Ans**
- A. ब्रिटिश शासन के चरित्र तथा उसके द्वारा दिए गए प्रशासन की अच्छाई समझ जाना।
 - B. ब्रिटिश शासन द्वारा सुव्यवस्थित न्याय प्रशासन की स्थापना के सुपरिणाम को समझ जाना।
 - C. ब्रिटिश शासन के चरित्र तथा भारतीयों पर उसके दुष्परिणाम को समझ जाना।
 - D. ब्रिटिश शासन के चरित्र तथा भारतीयों पर उसके सुपरिणाम को समझ जाना।

Question ID : 630680417524

Option 1 ID : 6306801628853

Option 2 ID : 6306801628854

Option 3 ID : 6306801628851

Option 4 ID : 6306801628852

Status : Answered

Chosen Option : C

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

राजा राममोहन राय प्रथम भारतीय नेता है जिन्होंने भारत में राजनीतिक सुधारों के लिए आंदोलन चलाया। 1858 के बाद शिक्षित भारतीयों तथा अंग्रेजों के भारतीय प्रशासन के बीच की खाई बढ़ती गई। ब्रिटिश शासन के चरित्र तथा भारतीयों के लिए उसके दुष्परिणामों का अध्ययन करने के बाद यह शिक्षित भारतीय भारत में ब्रिटिश नीतियों के मुखर आलोचक बन गए। उनका असंतोष राजनीतिक कार्यकलाप में अभिव्यक्त हुआ। 1866 में लंदन में दादाभाई नौरोजी ने ईस्ट इंडिया एसोसिएशन की स्थापना की। इसका उद्देश्य भारतीय प्रश्नों पर विचार करना तथा भारत के कल्याण की दिशा में ब्रिटेन के नेताओं को प्रभावित करना था। वे भारत के पहले आर्थिक विचारक भी थे। अपने अर्थशास्त्रीय लेखन में उन्होंने सिद्ध किया कि भारत की गरीबी का कारण अंग्रेजों द्वारा उसका शोषण तथा यहाँ का धन ब्रिटेन भेजना था। कांग्रेस-पूर्व राष्ट्रवादी संगठनों में सबसे महत्वपूर्ण कलकत्ता में स्थापित इंडियन एसोसिएशन थी। जिसकी स्थापना सुरेंद्रनाथ तथा आनंदमोहन बोस के नेतृत्व में बंगाल के राष्ट्रवादियों की। इस एसोसिएशन ने अपने सामने राजनीतिक प्रश्नों पर भारतीय जनता को एकताबद्ध करने का लक्ष्य रखा। जस्टिस रानाडे तथा उनके साथियों ने 1870 में पूना सार्वजनिक सभा की स्थापना की। एम.वीर राघवाचारी, जी.सुब्रामन्य अय्यर, आनंद चारुलू तथा दूसरों ने 1885 में बांबे प्रेसीडेंसी एसोसिएशन बनाया। ए.ओ.ह्यूम ने प्रमुख भारतीय नेताओं के सहयोग से बंबई में दिसंबर में भारतीय राष्ट्रीय कांग्रेस के पहले अधिवेशन का आयोजन किया। इसकी अध्यक्षता डब्ल्यू. सी. बनर्जी ने की तथा इसमें 72 प्रतिनिधि शामिल थे। राष्ट्रीय कांग्रेस के उद्देश्य इस प्रकार घोषित किए गए- देश के विभिन्न भागों के राष्ट्रवादी राजनीतिक कार्यकर्ताओं के बीच मैत्रीपूर्ण संबंध विकसित करना, जाति-धर्म-प्रांत का भेद किए बिना राष्ट्रीय एकता की भावना को विकसित तथा मज़बूत करना, जनप्रिय मांगों का निरूपण तथा उन्हें सरकार के सामने रखना, और सबसे महत्वपूर्ण यह कि देश में जनमत को प्रशिक्षित और संगठित करना।

SubQuestion No : 14

Q.14 'मैत्रीपूर्ण' का विलोम होगा

- Ans
- A. अनमैत्रीपूर्ण
 - B. अमैत्रीपूर्ण
 - C. अवमैत्रीपूर्ण
 - D. विमैत्रीपूर्ण

Question ID : 630680417526

Option 1 ID : 6306801628859

Option 2 ID : 6306801628861

Option 3 ID : 6306801628860

Option 4 ID : 6306801628862

Status : Answered

Chosen Option : B

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़ें और प्रश्न का उत्तर दीजिए।

राजा राममोहन राय प्रथम भारतीय नेता है जिन्होंने भारत में राजनीतिक सुधारों के लिए आंदोलन चलाया। 1858 के बाद शिक्षित भारतीयों तथा अंग्रेजों के भारतीय प्रशासन के बीच की खाई बढ़ती गई। ब्रिटिश शासन के चरित्र तथा भारतीयों के लिए उसके दुष्परिणामों का अध्ययन करने के बाद यह शिक्षित भारतीय भारत में ब्रिटिश नीतियों के मुखर आलोचक बन गए। उनका असंतोष राजनीतिक कार्यकलाप में अभिव्यक्त हुआ। 1866 में लंदन में दादाभाई नौरोजी ने ईस्ट इंडिया एसोसिएशन की स्थापना की। इसका उद्देश्य भारतीय प्रश्नों पर विचार करना तथा भारत के कल्याण की दिशा में ब्रिटेन के नेताओं को प्रभावित करना था। वे भारत के पहले आर्थिक विचारक भी थे। अपने अर्थशास्त्रीय लेखन में उन्होंने सिद्ध किया कि भारत की गरीबी का कारण अंग्रेजों द्वारा उसका शोषण तथा यहाँ का धन ब्रिटेन भेजना था। कांग्रेस-पूर्व राष्ट्रवादी संगठनों में सबसे महत्वपूर्ण कलकत्ता में स्थापित इंडियन एसोसिएशन थी। जिसकी स्थापना सुरेंद्रनाथ तथा आनंदमोहन बोस के नेतृत्व में बंगाल के राष्ट्रवादियों की। इस एसोसिएशन ने अपने सामने राजनीतिक प्रश्नों पर भारतीय जनता को एकताबद्ध करने का लक्ष्य रखा। जस्टिस रानाडे तथा उनके साथियों ने 1870 में पूना सार्वजनिक सभा की स्थापना की। एम.वीर राघवाचारी, जी.सुब्रामन्य अय्यर, आनंद चारुलू तथा दूसरों ने 1885 में बांबे प्रेसीडेंसी एसोसिएशन बनाया। ए.ओ.ह्यूम ने प्रमुख भारतीय नेताओं के सहयोग से बंबई में दिसंबर में भारतीय राष्ट्रीय कांग्रेस के पहले अधिवेशन का आयोजन किया। इसकी अध्यक्षता डब्ल्यू. सी. बनर्जी ने की तथा इसमें 72 प्रतिनिधि शामिल थे। राष्ट्रीय कांग्रेस के उद्देश्य इस प्रकार घोषित किए गए- देश के विभिन्न भागों के राष्ट्रवादी राजनीतिक कार्यकर्ताओं के बीच मैत्रीपूर्ण संबंध विकसित करना, जाति-धर्म-प्रांत का भेद किए बिना राष्ट्रीय एकता की भावना को विकसित तथा मज़बूत करना, जनप्रिय मांगों का निरूपण तथा उन्हें सरकार के सामने रखना, और सबसे महत्वपूर्ण यह कि देश में जनमत को प्रशिक्षित और संगठित करना।

SubQuestion No : 15

Q.15 दादाभाई नौरोजी ने ईस्ट इंडिया एसोसिएशन की स्थापना कब और कहाँ की?

- Ans
- A. 1870, पूना
 - B. 1866, दिल्ली
 - C. 1866, लंदन
 - D. 1885, बांबे

Question ID : 630680417523

Option 1 ID : 6306801628849

Option 2 ID : 6306801628847

Option 3 ID : 6306801628848

Option 4 ID : 6306801628850

Status : Answered

Chosen Option : C

Section : General English

Q.1 Select the grammatically correct sentence.

- Ans
- A. After trying all he is now visiting quacks to get a cure for his baldness reliable medicines.
 - B. After trying all reliable medicines, he is now visiting quacks to get a cure for his baldness.
 - C. After, he is now trying all reliable medicines visiting quacks to get a cure for his baldness.
 - D. After visiting quacks to get a cure for his trying all reliable medicines, he is now baldness.

Question ID : 630680417536

Option 1 ID : 6306801628901

Option 2 ID : 6306801628899

Option 3 ID : 6306801628900

Option 4 ID : 6306801628902

Status : Answered

Chosen Option : B

Q.2 Select the most appropriate synonym of the underlined word.

Servitude is not helpful for mental growth.

- Ans A. Subjugation
 B. Despotism
 C. Power
 D. Authority

Question ID : 630680417533
Option 1 ID : 6306801628887
Option 2 ID : 6306801628889
Option 3 ID : 6306801628888
Option 4 ID : 6306801628890
Status : Not Answered
Chosen Option : --

Q.3 Select the option that contains a grammatically correct sentence in the present continuous tense.

- Ans A. Children are grow up quickly.
 B. Children were grown up quickly.
 C. Children are growing up quickly.
 D. Children are grows up quickly.

Question ID : 630680417531
Option 1 ID : 6306801628880
Option 2 ID : 6306801628882
Option 3 ID : 6306801628879
Option 4 ID : 6306801628881
Status : Answered
Chosen Option : C

Q.4 Select the most appropriate adverb to fill in the blank.

_____, we alerted the authorities that the streetlights were not working at night in our area.

- Ans A. Tomorrow
 B. Last week
 C. Next week
 D. Next month

Question ID : 630680417529
Option 1 ID : 6306801628871
Option 2 ID : 6306801628874
Option 3 ID : 6306801628872
Option 4 ID : 6306801628873
Status : Answered
Chosen Option : B

Q.5 Select the most appropriate option to fill in the blank and complete the given proverb.

“You had a fight with your boss? Don’t bite the hand that _____ you.”

- Ans A. feeding
 B. fed
 C. feed
 D. feeds

Question ID : 630680417535
Option 1 ID : 6306801628898
Option 2 ID : 6306801628897
Option 3 ID : 6306801628896
Option 4 ID : 6306801628895
Status : Answered
Chosen Option : D

Q.6 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A) The adult sparrows mainly eat seeds which they first scratch using their large feet.
B) Insects are fed to the young after hatching.
C) They hatch between eleven to fourteen day and both the male and female parents care for the young.
D) Female sparrows lay four to six eggs at a time which are white with reddish brown spots.

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

Question ID : 630680417537
Option 1 ID : 6306801628903
Option 2 ID : 6306801628904
Option 3 ID : 6306801628905
Option 4 ID : 6306801628906
Status : Not Answered
Chosen Option : --

Q.7 Select the option that contains a grammatically correct sentence in the future continuous tense.

- Ans A. In the evening I will help my mother to make dinner.
 B. In the evening I will be help my mother to made dinner.
 C. In the evening I will be helping my mother to make dinner.
 D. In the evening I can be helping my mother to makes dinner.

Question ID : 630680417532
Option 1 ID : 6306801628884
Option 2 ID : 6306801628885
Option 3 ID : 6306801628883
Option 4 ID : 6306801628886
Status : Answered
Chosen Option : C

Q.8 Select the option that contains a grammatically correct sentence in the past tense.

- Ans A. I played tennis when I was young.
 B. I plays tennis when I was young.
 C. I play tennis when I was young.
 D. I playing tennis when I was young.

Question ID : 630680417530
Option 1 ID : 6306801628876
Option 2 ID : 6306801628878
Option 3 ID : 6306801628875
Option 4 ID : 6306801628877
Status : Answered
Chosen Option : A

Q.9 Select the most appropriate preposition to fill in the blank.

I'll call you _____ nine o'clock.

- Ans A. in
 B. at
 C. between
 D. on

Question ID : 630680417528
Option 1 ID : 6306801628869
Option 2 ID : 6306801628868
Option 3 ID : 6306801628870
Option 4 ID : 6306801628867
Status : Answered
Chosen Option : B

Q.10 Select the most appropriate option to fill in the blank and complete the given idiom.

I received my admit card at the _____ hour.

- Ans A. tenth
 B. twelfth
 C. eleventh
 D. thirteen

Question ID : 630680417534
Option 1 ID : 6306801628891
Option 2 ID : 6306801628893
Option 3 ID : 6306801628892
Option 4 ID : 6306801628894
Status : Answered
Chosen Option : C

Comprehension:

Read the given passage and answer the questions that follow.

Once an organ donor's family gives consent and the organs are matched to a recipient, medical professionals are faced with the onerous challenge of transporting organs while ensuring that the harvested organ reaches its destination in the shortest possible time. This is done in order to preserve the harvested organs and involves the police and especially the traffic police department.

The traditional method of transporting organs by road is referred to as a "green corridor". This process entails police escorting an ambulance, so as to move around traffic – usually a specific traffic lane is chosen and all signals on the route stay green to ensure it to reach its destination in the shortest possible time. A 'green corridor' is a route cleared and cordoned off by the traffic police to ensure the smooth and steady transportation of harvested organs, on most occasions, to those awaiting a life-saving transplant. Organs tend to have a very short preservation time, such as the heart which has to be harvested and transplanted within four hours or the lungs which can be preserved for only six hours once they are harvested.

The first green corridor in India was created by Chennai Traffic Police in September 2008 when they accomplished their task of enabling an ambulance to reach its destination within 11 minutes during peak hour traffic. That organ saved a nine-year-old girl whose life depended on the transplant.

Similarly, such green corridors have been created by traffic police of various cities such as Pune, Mumbai, Delhi NCR etc. Personnel are stationed at selected points to divert, control and clear the traffic giving way to the ambulance. Apart from this, a motorcade of police vehicles accompanies the ambulance ensuring that it does not face any problems. Delhi Traffic Police provided a green corridor from IGI Airport to Institute of Liver and Biliary Sciences in Vasant Kunj for transportation of a liver. The distance of 14 kms was covered in 11 minutes.

SubQuestion No : 11

Q.11 Select an appropriate title for the given passage.

- Ans**
- A. Transportation
 - B. Donated Organs and their Transportation
 - C. Medical Help
 - D. Donating Organs

Question ID : 630680417539

Option 1 ID : 6306801628909

Option 2 ID : 6306801628908

Option 3 ID : 6306801628910

Option 4 ID : 6306801628907

Status : Answered

Chosen Option : B

Comprehension:

Read the given passage and answer the questions that follow.

Once an organ donor's family gives consent and the organs are matched to a recipient, medical professionals are faced with the onerous challenge of transporting organs while ensuring that the harvested organ reaches its destination in the shortest possible time. This is done in order to preserve the harvested organs and involves the police and especially the traffic police department.

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SubQuestion No : 12

Q.12 Identify the tone of the given passage.

- Ans**
- A. Formal tone
 - B. Informal tone
 - C. Humorous tone
 - D. Serious tone

Question ID : **630680417541**

Option 1 ID : **6306801628915**

Option 2 ID : **6306801628916**

Option 3 ID : **6306801628917**

Option 4 ID : **6306801628918**

Status : **Not Answered**

Chosen Option : --

Comprehension:

Read the given passage and answer the questions that follow.

Once an organ donor's family gives consent and the organs are matched to a recipient, medical professionals are faced with the onerous challenge of transporting organs while ensuring that the harvested organ reaches its destination in the shortest possible time. This is done in order to preserve the harvested organs and involves the police and especially the traffic police department.

The traditional method of transporting organs by road is referred to as a "green corridor". This process entails police escorting an ambulance, so as to move around traffic – usually a specific traffic lane is chosen and all signals on the route stay green to ensure it to reach its destination in the shortest possible time. A 'green corridor' is a route cleared and cordoned off by the traffic police to ensure the smooth and steady transportation of harvested organs, on most occasions, to those awaiting a life-saving transplant. Organs tend to have a very short preservation time, such as the heart which has to be harvested and transplanted within four hours or the lungs which can be preserved for only six hours once they are harvested.

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SubQuestion No : 13

Q.13 Which of the following sentences is INCORRECT as per the passage?

- Ans** A. An organ donor's family usually don't give consent and the organs are matched to a recipient
- B. Delhi Traffic Police provided a green corridor from IGI Airport to Institute of Liver and Biliary Sciences in Vasant Kunj for transportation of a liver.
- C. The Chennai Traffic Police accomplished their task of enabling an ambulance to reach its destination within 11 minutes during peak hour traffic.
- D. The traditional method of transporting organs by road is known as 'green corridor'.

Question ID : **630680417540**

Option 1 ID : **6306801628911**

Option 2 ID : **6306801628914**

Option 3 ID : **6306801628913**

Option 4 ID : **6306801628912**

Status : **Answered**

Chosen Option : **A**

Comprehension:

Read the given passage and answer the questions that follow.

Once an organ donor's family gives consent and the organs are matched to a recipient, medical professionals are faced with the onerous challenge of transporting organs while ensuring that the harvested organ reaches its destination in the shortest possible time. This is done in order to preserve the harvested organs and involves the police and especially the traffic police department.

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SubQuestion No : 14

Q.14 With reference to the passage which of the following options is the most appropriate synonym of the underlined word.

The traffic police ensure the smooth and steady transportation of harvested organs.

- Ans A. Collected
 B. Hoarded
 C. Diffused
 D. Stacked

Question ID : 630680417543

Option 1 ID : 6306801628925

Option 2 ID : 6306801628924

Option 3 ID : 6306801628923

Option 4 ID : 6306801628926

Status : Not Answered

Chosen Option : --

Comprehension:

Read the given passage and answer the questions that follow.

Once an organ donor's family gives consent and the organs are matched to a recipient, medical professionals are faced with the onerous challenge of transporting organs while ensuring that the harvested organ reaches its destination in the shortest possible time. This is done in order to preserve the harvested organs and involves the police and especially the traffic police department.

The traditional method of transporting organs by road is referred to as a "green corridor". This process entails police escorting an ambulance, so as to move around traffic – usually a specific traffic lane is chosen and all signals on the route stay green to ensure it to reach its destination in the shortest possible time. A 'green corridor' is a route cleared and cordoned off by the traffic police to ensure the smooth and steady transportation of harvested organs, on most occasions, to those awaiting a life-saving transplant. Organs tend to have a very short preservation time, such as the heart which has to be harvested and transplanted within four hours or the lungs which can be preserved for only six hours once they are harvested.

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SubQuestion No : 15

Q.15 With reference to the passage which of the following options is the most appropriate ANTONYM of the underlined word.

Personnel are stationed at selected points to divert, control and clear the traffic giving way to the ambulance.

- Ans A. Focus
 B. Gladden
 C. Dissuade
 D. Sidetrack

Question ID : 630680417542

Option 1 ID : 6306801628920

Option 2 ID : 6306801628922

Option 3 ID : 6306801628921

Option 4 ID : 6306801628919

Status : Not Answered

Chosen Option : --

Section : Domain Knowledge

Q.1 A 5 cm long coil with 20 turns can carry 600 mA of current. The coil's magnetising force will be _____.

- Ans A. 140 AT/m
 B. 360 AT/m
 C. 200 AT/m
 D. 240 AT/m

Question ID : 630680417618

Option 1 ID : 6306801629223

Option 2 ID : 6306801629226

Option 3 ID : 6306801629224

Option 4 ID : 6306801629225

Status : Answered

Chosen Option : D

Q.2 Which of the following is the function of a shunt used in the millimetre?

- Ans
- A. Extend the range and reduce the resistance.
 - B. Extend the range and increase the meter resistance.
 - C. Decrease the range but increase the resistance.
 - D. Decrease both the range and the meter resistance.

Question ID : 630680417562
Option 1 ID : 6306801629000
Option 2 ID : 6306801628999
Option 3 ID : 6306801629002
Option 4 ID : 6306801629001
Status : Answered
Chosen Option : A

Q.3 The output characteristics of the common emitter connection of a transistor is the curve between _____ and _____.

- Ans
- A. collector current; collector-emitter voltage
 - B. base current; base-emitter voltage
 - C. base current; collector-emitter voltage
 - D. collector current; base-emitter voltage

Question ID : 630680417607
Option 1 ID : 6306801629179
Option 2 ID : 6306801629182
Option 3 ID : 6306801629180
Option 4 ID : 6306801629181
Status : Answered
Chosen Option : A

Q.4 Which of the following lamps has the least starting time?

- Ans
- A. Mercury vapour lamps
 - B. Incandescent lamps
 - C. Sodium vapour lamps
 - D. Fluorescent lamps

Question ID : 630680417633
Option 1 ID : 6306801629285
Option 2 ID : 6306801629283
Option 3 ID : 6306801629286
Option 4 ID : 6306801629284
Status : Answered
Chosen Option : B

Q.5 The inverted V-curve of a synchronous motor is a plot between _____ and _____.

- Ans
- A. power factor; armature current
 - B. armature terminal voltage; field current
 - C. power factor; field current
 - D. armature current; field current

Question ID : 630680417650

Option 1 ID : 6306801629354

Option 2 ID : 6306801629352

Option 3 ID : 6306801629353

Option 4 ID : 6306801629351

Status : Answered

Chosen Option : D

Q.6 A 240 V series motor takes 40 A current when giving its rated output at 1500 rpm. Its resistance is 0.3 Ω . What resistance must be added to obtain the rated torque at the start?

- Ans
- A. 2.4 Ω
 - B. 1.5 Ω
 - C. 3.2 Ω
 - D. 5.7 Ω

Question ID : 630680417552

Option 1 ID : 6306801628959

Option 2 ID : 6306801628960

Option 3 ID : 6306801628961

Option 4 ID : 6306801628962

Status : Not Answered

Chosen Option : --

Q.7 If a 3-phase, 4-pole, 50 Hz induction motor is running at 1200 rpm, then the rotor frequency is _____.

- Ans
- A. 10 Hz
 - B. 2 Hz
 - C. 5 Hz
 - D. 15 Hz

Question ID : 630680417641

Option 1 ID : 6306801629317

Option 2 ID : 6306801629315

Option 3 ID : 6306801629316

Option 4 ID : 6306801629318

Status : Answered

Chosen Option : A

Q.8 Which of the following statements is true for IGBT?

- Ans A. It has high input impedance and low on state power loss.
 B. It has low input impedance and low on state power loss.
 C. It has high input impedance and high on state power loss.
 D. It has low input impedance and high on state power loss.

Question ID : 630680417616
Option 1 ID : 6306801629215
Option 2 ID : 6306801629218
Option 3 ID : 6306801629217
Option 4 ID : 6306801629216
Status : Answered
Chosen Option : A

Q.9 Which method of voltage regulation is called pessimistic method for a synchronous generator?

- Ans A. New ASA method
 B. ZPF method
 C. EMF method
 D. MMF method

Question ID : 630680417654
Option 1 ID : 6306801629370
Option 2 ID : 6306801629369
Option 3 ID : 6306801629367
Option 4 ID : 6306801629368
Status : Answered
Chosen Option : C

Q.10 By which of the following can the corona effect be reduced?

- i. Decreasing the conductor size.
- ii. Increasing the conductor size.
- iii. Decreasing the conductor spacing.
- iv. Increasing the conductor spacing.

- Ans A. i and iii
 B. Only ii
 C. Only iv
 D. ii and iv

Question ID : 630680417674
Option 1 ID : 6306801629450
Option 2 ID : 6306801629447
Option 3 ID : 6306801629448
Option 4 ID : 6306801629449
Status : Answered
Chosen Option : D

Q.11 An AC circuit has $R = 6 \Omega$, $X_L = 20 \Omega$ and $X_C = 12 \Omega$. The circuit power factor will be _____.

- Ans
- A. 0.6 leading
 - B. 0.8 lagging
 - C. 0.5 leading
 - D. 0.6 lagging

Question ID : 630680417581

Option 1 ID : 6306801629077

Option 2 ID : 6306801629078

Option 3 ID : 6306801629075

Option 4 ID : 6306801629076

Status : Answered

Chosen Option : D

Q.12 For a transistor, if $\alpha = 0.999$, then $\beta =$ _____.

- Ans
- A. 9
 - B. 999
 - C. 99
 - D. 9999

Question ID : 630680417606

Option 1 ID : 6306801629175

Option 2 ID : 6306801629177

Option 3 ID : 6306801629176

Option 4 ID : 6306801629178

Status : Answered

Chosen Option : B

Q.13 In a balanced three-phase star connected supply system, _____.

- Ans
- A. $I_L = \sqrt{3} I_{ph}$
 - B. $V_L = \sqrt{3} V_{ph}$
 - C. $V_L = V_{ph}$
 - D. $I_L = 3 I_{ph}$

Question ID : 630680417545

Option 1 ID : 6306801628933

Option 2 ID : 6306801628931

Option 3 ID : 6306801628932

Option 4 ID : 6306801628934

Status : Answered

Chosen Option : B

Q.14 For an RLC parallel circuit, current at parallel resonance is _____.

- Ans
- A. maximum at lagging pf
 - B. maximum at unity pf
 - C. minimum at unity pf
 - D. maximum at leading pf

Question ID : 630680417583
Option 1 ID : 6306801629083
Option 2 ID : 6306801629085
Option 3 ID : 6306801629086
Option 4 ID : 6306801629084
Status : Answered
Chosen Option : C

Q.15 The normal field excitation of a synchronous motor is that which produces _____ power factor for a given load.

- Ans
- A. 0.75 lagging
 - B. 0.75 leading
 - C. unity
 - D. 0.85 lagging

Question ID : 630680417627
Option 1 ID : 6306801629260
Option 2 ID : 6306801629259
Option 3 ID : 6306801629262
Option 4 ID : 6306801629261
Status : Answered
Chosen Option : C

Q.16 The deflecting torque in an electro-dynamometer type of voltmeter is proportional to _____.

- Ans
- A. the square of the average value of applied voltage
 - B. the square of the RMS value of applied voltage
 - C. the RMS value of applied voltage
 - D. the average value of applied voltage

Question ID : 630680417658
Option 1 ID : 6306801629386
Option 2 ID : 6306801629385
Option 3 ID : 6306801629383
Option 4 ID : 6306801629384
Status : Answered
Chosen Option : B

Q.17 Which are the three terminals of a P type MOSFET?

- Ans
- A. Anode, source and gate
 - B. Two main terminals and a gate terminal
 - C. Cathode, anode and gate
 - D. Drain, source and gate

Question ID : 630680417685
Option 1 ID : 6306801629492
Option 2 ID : 6306801629494
Option 3 ID : 6306801629493
Option 4 ID : 6306801629491
Status : Answered
Chosen Option : D

Q.18 Transistor transfers a signal from _____ to _____.

- Ans
- A. a low resistance; a high resistance
 - B. a high resistance; a low resistance
 - C. a low inductance; a high inductance
 - D. a high inductance; a low inductance

Question ID : 630680417603
Option 1 ID : 6306801629163
Option 2 ID : 6306801629164
Option 3 ID : 6306801629165
Option 4 ID : 6306801629166
Status : Answered
Chosen Option : A

Q.19 For successful parallel operation of two single phase transformers, what is the essential condition?

- Ans
- A. Their turns ratio should be exactly equal.
 - B. Their polarities must be properly connected.
 - C. Their kVA ratings should be equal.
 - D. Their percentage impedances should be equal.

Question ID : 630680417570
Option 1 ID : 6306801629032
Option 2 ID : 6306801629033
Option 3 ID : 6306801629034
Option 4 ID : 6306801629031
Status : Answered
Chosen Option : B

Q.20 Which of the following is correct for an ideal transformer?

Ans A. EMF per turn in primary = EMF per turn in secondary.

B.

There is no relation between EMF per turn in primary and EMF per turn in secondary.

C. EMF per turn in primary > EMF per turn in secondary.

D. EMF per turn in primary < EMF per turn in secondary.

Question ID : 630680417574

Option 1 ID : 6306801629049

Option 2 ID : 6306801629050

Option 3 ID : 6306801629047

Option 4 ID : 6306801629048

Status : Answered

Chosen Option : A

Q.21 Using zero power factor approach for an alternator, one can determine the _____.

Ans A. voltage regulation

B. synchronous impedance

C. armature reactance

D. armature resistance

Question ID : 630680417655

Option 1 ID : 6306801629372

Option 2 ID : 6306801629374

Option 3 ID : 6306801629371

Option 4 ID : 6306801629373

Status : Answered

Chosen Option : A

Q.22 A 6-pole, lap-wound DC generator has 800 conductors on its armature. The flux per pole is 0.04 Wb. What is the speed at which the generator must be run to generate 400 V?

Ans A. 1000 rpm

B. 1500 rpm

C. 750 rpm

D. 1200 rpm

Question ID : 630680417681

Option 1 ID : 6306801629476

Option 2 ID : 6306801629478

Option 3 ID : 6306801629475

Option 4 ID : 6306801629477

Status : Answered

Chosen Option : C

Q.23 Two identical cells, connected in series, send a current of 10 A through a 5 Ω resistor. When they are connected in parallel, they send a current of 8 A through the same resistor. The internal resistance of each cell is _____.

- Ans
- A. 1 Ω
 - B. 2.5 Ω
 - C. zero
 - D. 10 Ω

Question ID : 630680417549
Option 1 ID : 6306801628949
Option 2 ID : 6306801628950
Option 3 ID : 6306801628947
Option 4 ID : 6306801628948
Status : Answered
Chosen Option : B

Q.24 A DC series motor drives a load. The motor is unsaturated and the load torque is proportional to the square of speed. For a speed of 400 rpm, motor line current is 20 A. For a speed of 800 rpm, the line current will be _____.

- Ans
- A. 20 A
 - B. 40 A
 - C. 28.28 A
 - D. 80 A

Question ID : 630680417593
Option 1 ID : 6306801629123
Option 2 ID : 6306801629125
Option 3 ID : 6306801629124
Option 4 ID : 6306801629126
Status : Not Answered
Chosen Option : --

Q.25 The full load speed of a 3-phase, 4-pole induction motor operating at 60 Hz is 1200 rpm. Its speed would be _____ rpm at 50% load.

- Ans
- A. 1750
 - B. 1000
 - C. 1500
 - D. 950

Question ID : 630680417643
Option 1 ID : 6306801629326
Option 2 ID : 6306801629324
Option 3 ID : 6306801629325
Option 4 ID : 6306801629323
Status : Answered
Chosen Option : A

Q.26 In a balanced three-phase delta connected supply system, _____.

- Ans
- A. $I_L = 3I_{ph}$
 - B. $I_L = I_{ph}$
 - C. $V_L = \sqrt{3} V_{ph}$
 - D. $V_L = V_{ph}$

Question ID : 630680417546
Option 1 ID : 6306801628937
Option 2 ID : 6306801628938
Option 3 ID : 6306801628935
Option 4 ID : 6306801628936
Status : Answered
Chosen Option : D

Q.27 Candela is the unit of _____.

- Ans
- A. luminance
 - B. luminous intensity
 - C. flux
 - D. illumination

Question ID : 630680417629
Option 1 ID : 6306801629270
Option 2 ID : 6306801629268
Option 3 ID : 6306801629267
Option 4 ID : 6306801629269
Status : Answered
Chosen Option : B

Q.28 Two capacitors of capacitance $3 \mu\text{F}$ and $6 \mu\text{F}$ in series will have a total capacitance of _____.

- Ans
- A. $18 \mu\text{F}$
 - B. $9 \mu\text{F}$
 - C. $2 \mu\text{F}$
 - D. $24 \mu\text{F}$

Question ID : 630680417622
Option 1 ID : 6306801629241
Option 2 ID : 6306801629239
Option 3 ID : 6306801629240
Option 4 ID : 6306801629242
Status : Answered
Chosen Option : C

Q.29 Zero power factor characteristics of an alternator is a plot between _____.

Ans A.

speed and its field current, keeping the armature terminal voltage and armature current constant.

B.

armature terminal voltage and armature current, keeping the field current and speed constant

C.

armature terminal voltage and its field current, keeping the armature current and speed constant

D.

armature current and its field current, keeping the armature terminal voltage and speed constant

Question ID : 630680417653

Option 1 ID : 6306801629366

Option 2 ID : 6306801629365

Option 3 ID : 6306801629363

Option 4 ID : 6306801629364

Status : Answered

Chosen Option : D

Q.30 Lap winding is suitable for _____ current, _____ voltage DC generators.

Ans A. high; low

B. high; high

C. low; high

D. low; low

Question ID : 630680417677

Option 1 ID : 6306801629459

Option 2 ID : 6306801629462

Option 3 ID : 6306801629460

Option 4 ID : 6306801629461

Status : Answered

Chosen Option : A

Q.31 There are _____ layers of semiconductor in an SCR.

Ans A. three

B. eight

C. four

D. two

Question ID : 630680417612

Option 1 ID : 6306801629200

Option 2 ID : 6306801629202

Option 3 ID : 6306801629199

Option 4 ID : 6306801629201

Status : Answered

Chosen Option : C

Q.32 Which of the following is correct for open-circuit test of a transformer?

Ans A.

Measuring instruments are connected on the high voltage side and low voltage side is short circuited.

B.

Measuring instruments are connected on the high voltage side and low voltage side is left open circuited.

C.

Measuring instruments are connected on the low voltage side and high voltage side is left open circuited.

D.

Measuring instruments are connected on the low voltage side and high voltage side is short circuited.

Question ID : 630680417588

Option 1 ID : 6306801629106

Option 2 ID : 6306801629104

Option 3 ID : 6306801629103

Option 4 ID : 6306801629105

Status : Answered

Chosen Option : C

Q.33 If the CT ratio is 300:4, the fault current is 1500 A and the relay setting is 50%, the plug setting multiplier will be _____.

Ans A. 40

B. 30

C. 20

D. 10

Question ID : 630680417692

Option 1 ID : 6306801629519

Option 2 ID : 6306801629520

Option 3 ID : 6306801629521

Option 4 ID : 6306801629522

Status : Answered

Chosen Option : D

Q.34 An unloaded overexcited synchronous motor with no shaft extension is called _____.

Ans A. synchronous generator

B. induction generator

C. synchronous condenser

D. DC generator

Question ID : 630680417651

Option 1 ID : 6306801629355

Option 2 ID : 6306801629358

Option 3 ID : 6306801629356

Option 4 ID : 6306801629357

Status : Answered

Chosen Option : C

Q.35 Which of the following is correct for short-circuit test of a transformer?

Ans A.

Measuring instruments are connected on the high voltage side and low voltage side is short circuited.

B.

Measuring instruments are connected on the low voltage side and high voltage side is short circuited.

C.

Measuring instruments are connected on the low voltage side and high voltage side is left open circuited.

D.

Measuring instruments are connected on the high voltage side and low voltage side is left open circuited.

Question ID : 630680417590

Option 1 ID : 6306801629114

Option 2 ID : 6306801629113

Option 3 ID : 6306801629111

Option 4 ID : 6306801629112

Status : Answered

Chosen Option : A

Q.36 In a CRT, which of the following is the source of electron emission?

Ans A. Accelerating anodes

B. A barium and strontium oxide coated cathode

C. Post accelerating anodes

D. Focusing anode

Question ID : 630680417667

Option 1 ID : 6306801629419

Option 2 ID : 6306801629420

Option 3 ID : 6306801629422

Option 4 ID : 6306801629421

Status : Answered

Chosen Option : B

Q.37 Maximum efficiency for class B power amplifier is _____.

Ans A. 35%

B. 100%

C. 50%

D. 78.5%

Question ID : 630680417609

Option 1 ID : 6306801629189

Option 2 ID : 6306801629190

Option 3 ID : 6306801629187

Option 4 ID : 6306801629188

Status : Answered

Chosen Option : C

Q.38 Core loss for a 66 kVA transformer is 550 W, and copper loss at full load is 2200 W. The ratio (in %) at maximal efficiency at full load is _____.

- Ans
- A. 40%
 - B. 60%
 - C. 50%
 - D. 75%

Question ID : 630680417568
Option 1 ID : 6306801629023
Option 2 ID : 6306801629025
Option 3 ID : 6306801629024
Option 4 ID : 6306801629026
Status : Answered
Chosen Option : C

Q.39 The major cause for creeping in an energy meter is _____.

- Ans
- A. stray magnetic fields
 - B. over-compensation
 - C. vibrations
 - D. excessive voltage across the potential coil

Question ID : 630680417663
Option 1 ID : 6306801629404
Option 2 ID : 6306801629405
Option 3 ID : 6306801629403
Option 4 ID : 6306801629406
Status : Answered
Chosen Option : B

Q.40 In transformers, the noise or hum is produced primarily due to _____.

- Ans
- A. loose bolts
 - B. tank walls
 - C. magnetostriction
 - D. improper tightening of core laminations

Question ID : 630680417567
Option 1 ID : 6306801629022
Option 2 ID : 6306801629021
Option 3 ID : 6306801629020
Option 4 ID : 6306801629019
Status : Answered
Chosen Option : C

Q.41 For low power applications to drive a small fan of about 30 W, which type of single-phase motor is used?

- Ans**
- A. Shaded-pole motor
 - B. Split-phase induction motor
 - C. Capacitor-start, capacitor-run motor
 - D. Capacitor-start motor

Question ID : 630680417645
Option 1 ID : 6306801629332
Option 2 ID : 6306801629331
Option 3 ID : 6306801629334
Option 4 ID : 6306801629333
Status : Answered
Chosen Option : A

Q.42 Universal motor is suitable for _____.

- Ans**
- A. low speed and high starting torque
 - B. high speed and high starting torque
 - C. low speed and low starting torque
 - D. high speed and low starting torque

Question ID : 630680417646
Option 1 ID : 6306801629336
Option 2 ID : 6306801629338
Option 3 ID : 6306801629335
Option 4 ID : 6306801629337
Status : Answered
Chosen Option : B

Q.43 An ideal alternator should have _____ voltage regulation.

- Ans**
- A. zero
 - B. very high
 - C. positive
 - D. negative

Question ID : 630680417680
Option 1 ID : 6306801629473
Option 2 ID : 6306801629474
Option 3 ID : 6306801629471
Option 4 ID : 6306801629472
Status : Answered
Chosen Option : A

Q.44 Eddy current damping cannot be used in the electro-dynamometer type instruments because _____.

- Ans**
- A.** operating field strength is very low
 - B.** operating field strength is low
 - C.** operating field strength is high
 - D.** operating field strength is very high

Question ID : **630680417656**

Option 1 ID : **6306801629378**

Option 2 ID : **6306801629377**

Option 3 ID : **6306801629375**

Option 4 ID : **6306801629376**

Status : **Answered**

Chosen Option : **D**

Q.45 Which of the following statements is NOT correct regarding HRC fuses?

- Ans**
- A.** They have inverse time current characteristics.
 - B.** They are not required to be replaced.
 - C.** Operation of the fuse is very reliable.
 - D.** They do not deteriorate with time.

Question ID : **630680417687**

Option 1 ID : **6306801629500**

Option 2 ID : **6306801629502**

Option 3 ID : **6306801629501**

Option 4 ID : **6306801629499**

Status : **Answered**

Chosen Option : **B**

Q.46 For Ward-Leonard system of speed control, above base speed motor operates as a _____ and _____.

- Ans**
- A.** variable torque; variable power drive
 - B.** constant torque; variable power drive
 - C.** constant power; variable torque drive
 - D.** constant torque; constant power drive

Question ID : **630680417678**

Option 1 ID : **6306801629466**

Option 2 ID : **6306801629463**

Option 3 ID : **6306801629464**

Option 4 ID : **6306801629465**

Status : **Answered**

Chosen Option : **A**

Q.47 A series RLC circuit has $R = 10 \Omega$, $L = 0.01 \text{ H}$ and $C = 100 \mu\text{F}$. The Q factor of the circuit at resonance is _____.

- Ans**
- A. 1.0
 - B. 10
 - C. 0.316
 - D. 0.1

Question ID : 630680417586
Option 1 ID : 6306801629095
Option 2 ID : 6306801629098
Option 3 ID : 6306801629096
Option 4 ID : 6306801629097
Status : Answered
Chosen Option : A

Q.48 One may disable the GTO by _____.

- Ans**
- A. using a positive gate pulse
 - B. removing the gate pulse
 - C. using a negative anode- cathode voltage
 - D. using a negative gate pulse

Question ID : 630680417684
Option 1 ID : 6306801629487
Option 2 ID : 6306801629490
Option 3 ID : 6306801629489
Option 4 ID : 6306801629488
Status : Answered
Chosen Option : B

Q.49 Which method of transistor biasing provides the best result for stabilisation of a transistor?

- Ans**
- A. Voltage-divider bias
 - B. None of the given options
 - C. Base resistor method
 - D. Collector-feedback bias

Question ID : 630680417608
Option 1 ID : 6306801629185
Option 2 ID : 6306801629186
Option 3 ID : 6306801629184
Option 4 ID : 6306801629183
Status : Answered
Chosen Option : A

Q.50 The meter element of a PMMC instrument has a resistance of $5\ \Omega$ and requires 15 mA current for full-scale deflection. What value of resistance should be connected in parallel to enable the instrument to measure up to 1A?

- Ans
- A. $0.046\ \Omega$
 - B. $0.026\ \Omega$
 - C. $0.076\ \Omega$
 - D. $0.016\ \Omega$

Question ID : 630680417554
Option 1 ID : 6306801628968
Option 2 ID : 6306801628969
Option 3 ID : 6306801628967
Option 4 ID : 6306801628970
Status : Answered
Chosen Option : C

Q.51 DC machines' commutator segments are formed of which of the following materials?

- Ans
- A. Copper
 - B. Hard-drawn copper
 - C. Brass
 - D. Copper alloy

Question ID : 630680417587
Option 1 ID : 6306801629100
Option 2 ID : 6306801629101
Option 3 ID : 6306801629099
Option 4 ID : 6306801629102
Status : Answered
Chosen Option : B

Q.52 For a given output and voltage rating, a core type transformer requires _____ iron as compared to a shell-type transformer.

- Ans
- A. less
 - B. same
 - C. more
 - D. None of the given options

Question ID : 630680417566
Option 1 ID : 6306801629015
Option 2 ID : 6306801629017
Option 3 ID : 6306801629016
Option 4 ID : 6306801629018
Status : Answered
Chosen Option : A

Q.53 During a short-circuit test, why is the iron loss of a transformer negligible?

- Ans
- A. Iron core becomes fully saturated.
 - B. Flux produced is a small fraction of the normal flux.
 - C. Supply frequency is held constant.
 - D.

The entire input is just sufficient to meet the copper losses only.

Question ID : 630680417679
Option 1 ID : 6306801629469
Option 2 ID : 6306801629468
Option 3 ID : 6306801629470
Option 4 ID : 6306801629467
Status : Answered
Chosen Option : B

Q.54 The potential barrier of a PN junction is of the order _____.

- Ans
- A. 0.2 to 0.5 V
 - B. 0.2 to 0.4 V
 - C. 0.1 to 0.7 V
 - D. 0.3 to 0.5 V

Question ID : 630680417596
Option 1 ID : 6306801629138
Option 2 ID : 6306801629137
Option 3 ID : 6306801629135
Option 4 ID : 6306801629136
Status : Not Answered
Chosen Option : --

Q.55 How is the compensating winding of a DC generator connected?

- Ans
- A. In parallel across the armature.
 - B. In series and parallel with the armature.
 - C. In series with the armature.
 - D. None of the given options

Question ID : 630680417682
Option 1 ID : 6306801629479
Option 2 ID : 6306801629481
Option 3 ID : 6306801629480
Option 4 ID : 6306801629482
Status : Answered
Chosen Option : C

Q.56 The unit of illuminance is _____.

- Ans
- A. Cd/m^2
 - B. Steradian
 - C. Lux
 - D. Lumen

Question ID : 630680417630
Option 1 ID : 6306801629272
Option 2 ID : 6306801629274
Option 3 ID : 6306801629273
Option 4 ID : 6306801629271
Status : Answered
Chosen Option : A

Q.57 Charge stored in a capacitor is _____.

- Ans
- A. directly proportional to the square of the potential difference across it
 - B. directly proportional to the potential difference across it
 - C. equal to the potential difference across it
 - D. inversely proportional to the potential difference across it

Question ID : 630680417621
Option 1 ID : 6306801629238
Option 2 ID : 6306801629235
Option 3 ID : 6306801629237
Option 4 ID : 6306801629236
Status : Answered
Chosen Option : A

Q.58 An average working life of an incandescent lamps is _____.

- Ans
- A. 250 hours
 - B. 750 hours
 - C. 500 hours
 - D. 1000 hours

Question ID : 630680417632
Option 1 ID : 6306801629279
Option 2 ID : 6306801629281
Option 3 ID : 6306801629280
Option 4 ID : 6306801629282
Status : Answered
Chosen Option : D

Q.59 The SI unit of reluctance is _____.

- Ans
- A. AT/m
 - B. AT/Wb
 - C. N/Wb
 - D. AT

Question ID : 630680417617
Option 1 ID : 6306801629220
Option 2 ID : 6306801629219
Option 3 ID : 6306801629222
Option 4 ID : 6306801629221
Status : Answered
Chosen Option : B

Q.60 The current conduction through the solution of an electrolyte is by _____.

- Ans
- A. valence electrons
 - B. atoms
 - C. ions
 - D. free electrons

Question ID : 630680417553
Option 1 ID : 6306801628965
Option 2 ID : 6306801628964
Option 3 ID : 6306801628966
Option 4 ID : 6306801628963
Status : Answered
Chosen Option : C

Q.61 In a single-phase induction type energy meter, lag adjustment is done to _____.

- Ans
- A. None of the given options
 - B. bring the pressure coil flux in phase with the applied voltage
 - C. make the current coil flux to lag 90° behind the applied voltage
 - D. make the pressure coil flux to lag 90° behind the applied voltage

Question ID : 630680417662
Option 1 ID : 6306801629402
Option 2 ID : 6306801629401
Option 3 ID : 6306801629399
Option 4 ID : 6306801629400
Status : Answered
Chosen Option : D

Q.62 There are _____ PN junctions in a DIAC.

- Ans
- A. three
 - B. five
 - C. one
 - D. two

Question ID : 630680417615
Option 1 ID : 6306801629212
Option 2 ID : 6306801629214
Option 3 ID : 6306801629213
Option 4 ID : 6306801629211
Status : Answered
Chosen Option : D

Q.63 Which of the following is true about corona?

- Ans
- A. Visual critical voltage > Critical disruptive voltage
 - B. None of the given options
 - C. Visual critical voltage < Critical disruptive voltage
 - D. Visual critical voltage = Critical disruptive voltage

Question ID : 630680417672
Option 1 ID : 6306801629439
Option 2 ID : 6306801629442
Option 3 ID : 6306801629440
Option 4 ID : 6306801629441
Status : Answered
Chosen Option : A

Q.64 Transformer maximum efficiency for a constant load current occurs at _____.

- Ans
- A. zero pf leading
 - B. unity pf
 - C. zero pf lagging
 - D. any pf

Question ID : 630680417569
Option 1 ID : 6306801629028
Option 2 ID : 6306801629030
Option 3 ID : 6306801629029
Option 4 ID : 6306801629027
Status : Answered
Chosen Option : B

Q.65 The capacitance of a capacitor is _____.

- Ans A. inversely proportional to the relative permittivity of the medium
- B. directly proportional to the surface area of the capacitor plate
- C. directly proportional to the distance between the plates
- D. inversely proportional to the surface area of the capacitor plate

Question ID : 630680417624
Option 1 ID : 6306801629250
Option 2 ID : 6306801629249
Option 3 ID : 6306801629247
Option 4 ID : 6306801629248
Status : Answered
Chosen Option : B

Q.66 In which of the following motors is the speed essentially constant?

- Ans A. Series motor
- B. Cumulatively compounded motor
- C. Shunt motor
- D. Differentially compounded motor

Question ID : 630680417551
Option 1 ID : 6306801628958
Option 2 ID : 6306801628955
Option 3 ID : 6306801628956
Option 4 ID : 6306801628957
Status : Answered
Chosen Option : C

Q.67 A moving iron device can take measurements for _____.

- Ans A. only AC
- B. both AC and DC
- C. pulsating quantities only
- D. only DC

Question ID : 630680417555
Option 1 ID : 6306801628971
Option 2 ID : 6306801628973
Option 3 ID : 6306801628974
Option 4 ID : 6306801628972
Status : Answered
Chosen Option : B

Q.68 When is a transistor said to be operating in the active region?

Ans A.

Emitter base junction is forward biased and collector base junction is forward biased.

B.

Emitter base junction is reverse biased and collector base junction is reverse biased.

C.

Emitter base junction is forward biased and collector base junction is reverse biased.

D.

Emitter base junction is reverse biased and collector base junction is forward biased.

Question ID : 630680417604

Option 1 ID : 6306801629168

Option 2 ID : 6306801629170

Option 3 ID : 6306801629167

Option 4 ID : 6306801629169

Status : Answered

Chosen Option : C

Q.69 Which of the following magnetic materials have a small area of hysteresis loop?

Ans A. Soft magnetic materials

B. Diamagnetic materials

C. Hard magnetic materials

D. Saturable magnetic materials

Question ID : 630680417675

Option 1 ID : 6306801629452

Option 2 ID : 6306801629454

Option 3 ID : 6306801629453

Option 4 ID : 6306801629451

Status : Answered

Chosen Option : A

Q.70 An energy meter, whose metre constant is 1200 revolutions per kWh, makes 30 revolutions in 20 seconds. What is the load in kW?

Ans A. 2.5

B. 3.5

C. 4.5

D. 4

Question ID : 630680417563

Option 1 ID : 6306801629006

Option 2 ID : 6306801629005

Option 3 ID : 6306801629003

Option 4 ID : 6306801629004

Status : Answered

Chosen Option : C

Q.71 A mechanical load angle of 10° for a 6-pole synchronous motor corresponds to an electrical load angle of _____.

- Ans
- A. 45°
 - B. 60°
 - C. 30°
 - D. 15°

Question ID : 630680417648
Option 1 ID : 6306801629345
Option 2 ID : 6306801629346
Option 3 ID : 6306801629344
Option 4 ID : 6306801629343
Status : Answered
Chosen Option : C

Q.72 Which of the following is NOT a pentavalent impurity?

- Ans
- A. Gallium
 - B. Arsenic
 - C. Phosphorous
 - D. Antimony

Question ID : 630680417594
Option 1 ID : 6306801629127
Option 2 ID : 6306801629128
Option 3 ID : 6306801629129
Option 4 ID : 6306801629130
Status : Answered
Chosen Option : A

Q.73 In moving iron instruments, which type of effect would be observed?

- Ans
- A. Magnetic effect
 - B. Thermal effect
 - C. Chemical effect
 - D. Electrostatic effect

Question ID : 630680417550
Option 1 ID : 6306801628954
Option 2 ID : 6306801628951
Option 3 ID : 6306801628952
Option 4 ID : 6306801628953
Status : Answered
Chosen Option : A

Q.74 A PMMC instrument can measure _____.

- Ans
- A. pulsating quantities only
 - B. only AC
 - C. only DC
 - D. both DC and AC

Question ID : 630680417557
Option 1 ID : 6306801628982
Option 2 ID : 6306801628979
Option 3 ID : 6306801628980
Option 4 ID : 6306801628981
Status : Answered
Chosen Option : C

Q.75 As compared to an incandescent lamp, a mercury vapour lamp has _____.

- Ans
- A. shorter operating life
 - B. lower efficiency
 - C. larger size
 - D. higher efficiency

Question ID : 630680417638
Option 1 ID : 6306801629304
Option 2 ID : 6306801629306
Option 3 ID : 6306801629303
Option 4 ID : 6306801629305
Status : Answered
Chosen Option : D

Q.76 Controlling torque is NOT required in which type of instruments?

- Ans
- A. Power factor meters
 - B. Dynamometer type instruments
 - C. PMMC instruments
 - D. Moving iron instruments

Question ID : 630680417665
Option 1 ID : 6306801629414
Option 2 ID : 6306801629413
Option 3 ID : 6306801629412
Option 4 ID : 6306801629411
Status : Answered
Chosen Option : A

Q.77 What is the purpose of installing a damper winding in a synchronous motor?

- Ans
- A. It Increases hunting of the motor.
 - B. It serves in starting the motor.
 - C. It reduces windage loss.
 - D. It improves the PF of the motor.

Question ID : 630680417625
Option 1 ID : 6306801629254
Option 2 ID : 6306801629252
Option 3 ID : 6306801629251
Option 4 ID : 6306801629253
Status : Answered
Chosen Option : B

Q.78 If the input frequency of sine wave applied to a half-wave rectifier is 150 Hz, then frequency of the output wave will be _____.

- Ans
- A. 600 Hz
 - B. 150 Hz
 - C. 75 Hz
 - D. 300 Hz

Question ID : 630680417598
Option 1 ID : 6306801629146
Option 2 ID : 6306801629145
Option 3 ID : 6306801629143
Option 4 ID : 6306801629144
Status : Answered
Chosen Option : D

Q.79 Core flux in an ideal transformer is _____.

- Ans
- A. independent of the load current
 - B. directly proportional to the square of the load current
 - C. directly proportional to the load current
 - D. inversely proportional to the load current

Question ID : 630680417575
Option 1 ID : 6306801629054
Option 2 ID : 6306801629053
Option 3 ID : 6306801629051
Option 4 ID : 6306801629052
Status : Answered
Chosen Option : A

Q.80 A single phase transformer operates at 60 Hz with hysteresis loss of 300 W and eddy current loss of 160 W. Its core loss when operating at 75 Hz will be _____.

- Ans**
- A. 425 W
 - B. 625 W
 - C. 575 W
 - D. 750 W

Question ID : **630680417571**
Option 1 ID : **6306801629035**
Option 2 ID : **6306801629037**
Option 3 ID : **6306801629036**
Option 4 ID : **6306801629038**
Status : **Answered**
Chosen Option : **B**

Q.81 The formula for an alternating voltage is $V = 25\sin 157t$. How much time will be required to generate five cycles of voltage?

- Ans**
- A. 0.5 seconds
 - B. 0.2 seconds
 - C. 0.1 seconds
 - D. 0.4 seconds

Question ID : **630680417579**
Option 1 ID : **6306801629070**
Option 2 ID : **6306801629068**
Option 3 ID : **6306801629067**
Option 4 ID : **6306801629069**
Status : **Not Answered**
Chosen Option : **--**

Q.82 Large voltage variations are difficult for _____ to withstand.

- Ans**
- A. sodium vapour lamps
 - B. incandescent lamps
 - C. mercury vapour lamps
 - D. fluorescent lamps

Question ID : **630680417637**
Option 1 ID : **6306801629299**
Option 2 ID : **6306801629300**
Option 3 ID : **6306801629301**
Option 4 ID : **6306801629302**
Status : **Answered**
Chosen Option : **B**

Q.83 Which of the following statements is/are true?

- i. In n-type material, free electrons are the majority carriers and the holes are the minority carriers.
- ii. In n-type material, holes are the majority carriers and the free electrons are the minority carriers.
- iii. In p-type material, free electrons are the majority carriers and the holes are the minority carriers.
- iv. In p-type material, holes are the majority carriers and the free electrons are the minority carriers.

Ans A. i and iv

B. Only i

C. Only iv

D. ii and iii

Question ID : 630680417595

Option 1 ID : 6306801629133

Option 2 ID : 6306801629131

Option 3 ID : 6306801629132

Option 4 ID : 6306801629134

Status : Answered

Chosen Option : A

Q.84 If a series RLC circuit has resonance frequency of 60 Hz and quality factor of 12, then the bandwidth will be _____.

Ans A. 10 Hz

B. 2.5 Hz

C. 7.5 Hz

D. 5 Hz

Question ID : 630680417577

Option 1 ID : 6306801629062

Option 2 ID : 6306801629059

Option 3 ID : 6306801629060

Option 4 ID : 6306801629061

Status : Answered

Chosen Option : D

Q.85 For an RLC series circuit, current at series resonance is _____.

Ans A. maximum at lagging pf

B. maximum at leading pf

C. maximum at unity pf

D. minimum at unity pf

Question ID : 630680417582

Option 1 ID : 6306801629079

Option 2 ID : 6306801629080

Option 3 ID : 6306801629081

Option 4 ID : 6306801629082

Status : Answered

Chosen Option : C

Q.86 A 400 V shunt motor takes a current of 22 A. If the shunt field and armature resistances are 200 Ω and 0.8 Ω respectively, then the value of back EMF is _____.

- Ans**
- A. 384 V
 - B. 284 V
 - C. 184 V
 - D. 84 V

Question ID : 630680417592
Option 1 ID : 6306801629119
Option 2 ID : 6306801629120
Option 3 ID : 6306801629121
Option 4 ID : 6306801629122
Status : Answered
Chosen Option : A

Q.87 For a CRO, post-accelerators are used when measurements are to be made above a frequency of _____.

- Ans**
- A. 1 kHz
 - B. 10 MHz
 - C. 1 MHz
 - D. 10 kHz

Question ID : 630680417670
Option 1 ID : 6306801629431
Option 2 ID : 6306801629434
Option 3 ID : 6306801629433
Option 4 ID : 6306801629432
Status : Not Answered
Chosen Option : --

Q.88 Thermal switch starter used in a fluorescent mercury vapour lamp is a _____.

- Ans**
- A. gas actuated device
 - B. current-operated device
 - C. voltage-operated device
 - D. water-operated device

Question ID : 630680417639
Option 1 ID : 6306801629307
Option 2 ID : 6306801629308
Option 3 ID : 6306801629310
Option 4 ID : 6306801629309
Status : Answered
Chosen Option : B

Q.89 Which of the following statements is NOT true for an ideal transformer?

- Ans A. The core has variable permeability.
 B. Winding resistances are negligible.
 C. The core losses are negligible.
 D. All the flux is confined to the magnetic core.

Question ID : 630680417573
Option 1 ID : 6306801629046
Option 2 ID : 6306801629043
Option 3 ID : 6306801629045
Option 4 ID : 6306801629044
Status : Answered
Chosen Option : A

Q.90 Energy stored in a magnetic field is _____.

- Ans A.
directly proportional to the square of the current flowing in it
 B. inversely proportional to the current flowing in it
 C.
inversely proportional to the square of the current flowing in it
 D. directly proportional to the current flowing in it

Question ID : 630680417620
Option 1 ID : 6306801629233
Option 2 ID : 6306801629232
Option 3 ID : 6306801629234
Option 4 ID : 6306801629231
Status : Answered
Chosen Option : A

Q.91 Deflection sensitivity of a CRO is _____.

- Ans A. directly proportional to the accelerating voltage
 B. inversely proportional to the length of the deflecting plates
 C.
directly proportional to the distance between the deflecting plates
 D. inversely proportional to the accelerating voltage

Question ID : 630680417669
Option 1 ID : 6306801629427
Option 2 ID : 6306801629430
Option 3 ID : 6306801629429
Option 4 ID : 6306801629428
Status : Answered
Chosen Option : A

Q.92 KCL is a consequence of the law of conservation of _____.

- Ans
- A. All of the given options
 - B. energy
 - C. flux
 - D. charge

Question ID : 630680417544
Option 1 ID : 6306801628930
Option 2 ID : 6306801628927
Option 3 ID : 6306801628929
Option 4 ID : 6306801628928
Status : Answered
Chosen Option : D

Q.93 Corona's one and only benefit is that it _____.

- Ans
- A. works as a safety valve for surges
 - B. produces a pleasing luminous glow
 - C. makes line current non-sinusoidal
 - D. betrays its presence by a hissing sound

Question ID : 630680417671
Option 1 ID : 6306801629436
Option 2 ID : 6306801629438
Option 3 ID : 6306801629435
Option 4 ID : 6306801629437
Status : Answered
Chosen Option : A

Q.94 A voltmeter must have a very high internal resistance so that it possesses _____.

- Ans
- A. minimum current through the meter
 - B. maximum loading effect
 - C. high voltage range
 - D. high accuracy

Question ID : 630680417560
Option 1 ID : 6306801628994
Option 2 ID : 6306801628993
Option 3 ID : 6306801628992
Option 4 ID : 6306801628991
Status : Answered
Chosen Option : A

Q.95 In a reed type frequency meter, all the reeds _____.

- Ans**
- A. have the same natural frequency
 - B. None of the given options
 - C. have different natural frequencies
 - D. have different natural frequencies but the difference in natural frequencies of adjacent reeds is ± 0.5 Hz

Question ID : 630680417666

Option 1 ID : 6306801629415

Option 2 ID : 6306801629418

Option 3 ID : 6306801629416

Option 4 ID : 6306801629417

Status : Answered

Chosen Option : D

Q.96 If two inductors, L_1 & L_2 , are connected in series with no mutual inductance, then equivalent inductance will be _____.

- Ans**
- A. $L_1 - L_2$
 - B. $L_1 \cdot L_2$
 - C. $L_1 \cdot L_2 / (L_1 + L_2)$
 - D. $L_1 + L_2$

Question ID : 630680417619

Option 1 ID : 6306801629229

Option 2 ID : 6306801629230

Option 3 ID : 6306801629227

Option 4 ID : 6306801629228

Status : Answered

Chosen Option : D

Q.97 Time constant for series RL circuit is defined as the time taken by the current to reach _____.

- Ans**
- A. 63.2% of its initial value
 - B. 36.8% of its final value
 - C. 36.8% of its initial value
 - D. 63.2% of its final value

Question ID : 630680417585

Option 1 ID : 6306801629094

Option 2 ID : 6306801629091

Option 3 ID : 6306801629092

Option 4 ID : 6306801629093

Status : Answered

Chosen Option : D

Q.98 A single phase induction energy meter has a voltage of 200 V with 200 revolutions per kWh. What will be the speed of the meter disc if the current is 20 A at 0.8 pf lagging?

- Ans**
- A. 10.67 rpm
 - B. 33.67 rpm
 - C. 312.67 rpm
 - D. 21.67 rpm

Question ID : 630680417564
Option 1 ID : 6306801629010
Option 2 ID : 6306801629008
Option 3 ID : 6306801629009
Option 4 ID : 6306801629007
Status : Not Answered
Chosen Option : --

Q.99 Light load adjustments for induction type energy meter are usually done at _____ of full load current.

- Ans**
- A. 1%
 - B. 10%
 - C. 5%
 - D. 50%

Question ID : 630680417664
Option 1 ID : 6306801629410
Option 2 ID : 6306801629408
Option 3 ID : 6306801629409
Option 4 ID : 6306801629407
Status : Answered
Chosen Option : B

Q.100 The error caused by the pressure coil circuit's inductance in an electro-dynamometer type of wattmeter is _____.

- Ans**
- A. constant irrespective of the power factor of the load
 - B. higher at low PF
 - C. lower at low PF
 - D. None of the given options

Question ID : 630680417657
Option 1 ID : 6306801629379
Option 2 ID : 6306801629380
Option 3 ID : 6306801629381
Option 4 ID : 6306801629382
Status : Answered
Chosen Option : B

Q.101 The resistance between any two terminals of a balanced delta connected load is $16\ \Omega$. The resistance of each phase is _____.

- Ans
- A. $30\ \Omega$
 - B. $40\ \Omega$
 - C. $15\ \Omega$
 - D. $24\ \Omega$

Question ID : 630680417547
Option 1 ID : 6306801628941
Option 2 ID : 6306801628942
Option 3 ID : 6306801628939
Option 4 ID : 6306801628940
Status : Answered
Chosen Option : D

Q.102 In reverse blocking mode of SCR, cathode is made _____.

- Ans
- A. negative with respect to anode
 - B. with ground potential
 - C. positive with respect to anode
 - D. of similar polarity with respect to anode

Question ID : 630680417610
Option 1 ID : 6306801629191
Option 2 ID : 6306801629194
Option 3 ID : 6306801629192
Option 4 ID : 6306801629193
Status : Answered
Chosen Option : C

Q.103 An under excited synchronous generator operates at _____.

- Ans
- A. None of the given options
 - B. lagging power factor
 - C. leading power factor
 - D. unity power factor

Question ID : 630680417649
Option 1 ID : 6306801629350
Option 2 ID : 6306801629349
Option 3 ID : 6306801629347
Option 4 ID : 6306801629348
Status : Answered
Chosen Option : B

Q.104 When a load of 600 W is attached to an energy meter, and the disc rotates 12 revolutions in 120 seconds, the meter constant (in rev/kWh) is _____.

- Ans
- A. 450
 - B. 300
 - C. 600
 - D. 200

Question ID : 630680417558
Option 1 ID : 6306801628985
Option 2 ID : 6306801628984
Option 3 ID : 6306801628986
Option 4 ID : 6306801628983
Status : Answered
Chosen Option : C

Q.105 Which of the following properties should be possessed by the filament of an incandescent lamp?

- Ans
- A. High melting point
 - B. High vapour pressure
 - C. Low specific resistance
 - D. Low melting point

Question ID : 630680417634
Option 1 ID : 6306801629288
Option 2 ID : 6306801629287
Option 3 ID : 6306801629289
Option 4 ID : 6306801629290
Status : Answered
Chosen Option : A

Q.106 The pressure coil winding of an energy meter is _____.

- Ans
- A. highly resistive
 - B. non-inductive
 - C. highly inductive
 - D. highly capacitive

Question ID : 630680417661
Option 1 ID : 6306801629395
Option 2 ID : 6306801629398
Option 3 ID : 6306801629396
Option 4 ID : 6306801629397
Status : Answered
Chosen Option : C

Q.107 In the depletion layer of a PN junction, _____.

- Ans
- A. holes are present
 - B. both free electrons and holes are present
 - C. both free electrons and holes are absent.
 - D. free electrons are present

Question ID : 630680417597
Option 1 ID : 6306801629140
Option 2 ID : 6306801629141
Option 3 ID : 6306801629142
Option 4 ID : 6306801629139
Status : Answered
Chosen Option : C

Q.108 Which of the following relationships, between fusing current (I) and diameter of a wire (d) for a fuse, is correct?
(k = fuse constant)

- Ans
- A. $I = k \sqrt{d}$
 - B. $I = k d^2$
 - C. $I = k d^{1.5}$
 - D. $I = k d$

Question ID : 630680417688
Option 1 ID : 6306801629506
Option 2 ID : 6306801629504
Option 3 ID : 6306801629503
Option 4 ID : 6306801629505
Status : Answered
Chosen Option : C

Q.109 Which of the following is correct about the hot-wire ammeter?

- Ans
- A. It is used only for AC circuits.
 - B. It is used only for DC circuits.
 - C. It is a high precision instrument.
 - D. It reads equally well on DC and/or AC circuits.

Question ID : 630680417559
Option 1 ID : 6306801628989
Option 2 ID : 6306801628987
Option 3 ID : 6306801628988
Option 4 ID : 6306801628990
Status : Answered
Chosen Option : D

Q.110 Synchronous motor operates _____.

- Ans
- A. only in leading power factor mode
 - B. only in unity power factor mode
 - C. only in lagging power factor mode
 - D. In any power factor mode

Question ID : 630680417628

Option 1 ID : 6306801629264

Option 2 ID : 6306801629265

Option 3 ID : 6306801629263

Option 4 ID : 6306801629266

Status : Answered

Chosen Option : D

Q.111 An 8-pole, three-phase, 60 Hz induction motor is operating at 750 rpm with a 4000 W rotor copper loss. The input to the rotor is _____.

- Ans
- A. 36,000 W
 - B. 18,000 W
 - C. 24,000 W
 - D. 12,000 W

Question ID : 630680417642

Option 1 ID : 6306801629322

Option 2 ID : 6306801629320

Option 3 ID : 6306801629321

Option 4 ID : 6306801629319

Status : Answered

Chosen Option : C

Q.112 For polished conductors, irregularity factor is _____.

- Ans
- A. 0.83
 - B. 0.92
 - C. 1
 - D. 0.98

Question ID : 630680417673

Option 1 ID : 6306801629443

Option 2 ID : 6306801629444

Option 3 ID : 6306801629446

Option 4 ID : 6306801629445

Status : Answered

Chosen Option : C

Q.113 Induction type relay works for _____.

- Ans
- A. None of the given options
 - B. only AC quantities
 - C. only DC quantities
 - D. both AC and DC quantities

Question ID : 630680417691
Option 1 ID : 6306801629518
Option 2 ID : 6306801629515
Option 3 ID : 6306801629516
Option 4 ID : 6306801629517
Status : Answered
Chosen Option : B

Q.114 The pre-accelerating anode and the accelerating anode are connected to a common positive high voltage of about _____.

- Ans
- A. 1500 V
 - B. 1200 V
 - C. 1000 V
 - D. 800 V

Question ID : 630680417668
Option 1 ID : 6306801629423
Option 2 ID : 6306801629424
Option 3 ID : 6306801629425
Option 4 ID : 6306801629426
Status : Not Answered
Chosen Option : --

Q.115 Illumination of a surface is _____.

- Ans
- A. inversely proportional to luminous intensity
 - B. directly proportional to the distance of the surface from the source
 - C. directly proportional to luminous intensity
 - D. inversely proportional to the distance of the surface from the source

Question ID : 630680417635
Option 1 ID : 6306801629291
Option 2 ID : 6306801629294
Option 3 ID : 6306801629292
Option 4 ID : 6306801629293
Status : Answered
Chosen Option : C

Q.116 Which of the following statements is/are correct?

- i. BJT is a current-controlled device.
- ii. BJT is a voltage-controlled device.
- iii. MOSFET is a voltage-controlled device.
- iv. MOSFET is a current-controlled device.

- Ans
- A. ii and iv
 - B. Only iii
 - C. Only i
 - D. i and iii

Question ID : 630680417614
Option 1 ID : 6306801629210
Option 2 ID : 6306801629208
Option 3 ID : 6306801629207
Option 4 ID : 6306801629209
Status : Answered
Chosen Option : D

Q.117 Time constant for RC series circuit is equal to _____.

- Ans
- A. C/R
 - B. RC
 - C. R/C
 - D. 1/RC

Question ID : 630680417584
Option 1 ID : 6306801629089
Option 2 ID : 6306801629088
Option 3 ID : 6306801629090
Option 4 ID : 6306801629087
Status : Answered
Chosen Option : B

Q.118 Why do permanent magnet moving coil ammeters have uniform scales?

- Ans
- A. Because they are spring controlled.
 - B. Because their deflecting torque varies directly as the current.
 - C. Because of eddy current damping.
 - D. Because they are spring controlled and their deflecting torque varies directly as the current.

Question ID : 630680417556
Option 1 ID : 6306801628976
Option 2 ID : 6306801628977
Option 3 ID : 6306801628975
Option 4 ID : 6306801628978
Status : Answered
Chosen Option : D

Q.119 A sine wave can have a maximum current of 5 A. Its value at 30° is _____.

- Ans
- A. 7.5 A
 - B. 5 A
 - C. 10 A
 - D. 2.5 A

Question ID : 630680417580
Option 1 ID : 6306801629073
Option 2 ID : 6306801629072
Option 3 ID : 6306801629074
Option 4 ID : 6306801629071
Status : Answered
Chosen Option : D

Q.120 The main function of the commutator in a DC generator is to _____.

- Ans
- A. convert the induced AC into DC
 - B. reduce sparking at brushes
 - C. provide smoother output
 - D. increase output voltage

Question ID : 630680417676
Option 1 ID : 6306801629458
Option 2 ID : 6306801629456
Option 3 ID : 6306801629457
Option 4 ID : 6306801629455
Status : Answered
Chosen Option : A

Q.121 Which of the following is NOT an indicating instrument?

- Ans
- A. Ammeter
 - B. Voltmeter
 - C. Energy meter
 - D. Wattmeter

Question ID : 630680417561
Option 1 ID : 6306801628995
Option 2 ID : 6306801628996
Option 3 ID : 6306801628997
Option 4 ID : 6306801628998
Status : Answered
Chosen Option : C

Q.122 Which of the following statements is/are true for a transistor?

- i. The emitter is heavily doped.
- ii. The base is lightly doped.
- iii. The collector is moderately doped.

- Ans
- A. Only i
 - B. i, ii and iii
 - C. Only ii
 - D. i and iii

Question ID : 630680417602
Option 1 ID : 6306801629159
Option 2 ID : 6306801629162
Option 3 ID : 6306801629160
Option 4 ID : 6306801629161
Status : Answered
Chosen Option : B

Q.123 Mho relay works on the measurement of _____.

- Ans
- A. reactance
 - B. admittance
 - C. resistance
 - D. impedance

Question ID : 630680417693
Option 1 ID : 6306801629524
Option 2 ID : 6306801629525
Option 3 ID : 6306801629526
Option 4 ID : 6306801629523
Status : Answered
Chosen Option : B

Q.124 Which of the following characteristics should NOT be possessed by a fuse element?

- Ans
- A. Low melting point
 - B. High conductivity
 - C. High melting point
 - D. Free from deterioration due to oxidation

Question ID : 630680417686
Option 1 ID : 6306801629495
Option 2 ID : 6306801629496
Option 3 ID : 6306801629497
Option 4 ID : 6306801629498
Status : Answered
Chosen Option : C

Q.125 Delay time of an SCR is defined as the time during which _____.

- Ans
- A. anode current rises from $0.1 I_a$ to $0.9 I_a$
 - B. anode current rises from $0.9 I_a$ to I_a
 - C. anode voltage rises from $0.1 V_a$ to $0.9 V_a$
 - D. anode voltage falls from V_a to $0.9 V_a$

Question ID : 630680417613

Option 1 ID : 6306801629205

Option 2 ID : 6306801629206

Option 3 ID : 6306801629204

Option 4 ID : 6306801629203

Status : Not Answered

Chosen Option : --

Q.126 What will be the frequency of alternating voltage produced by an AC generator with 10 poles and operating at 600 rpm?

- Ans
- A. 25 Hz
 - B. 100 Hz
 - C. 50 Hz
 - D. 200 Hz

Question ID : 630680417578

Option 1 ID : 6306801629063

Option 2 ID : 6306801629064

Option 3 ID : 6306801629065

Option 4 ID : 6306801629066

Status : Answered

Chosen Option : C

Q.127 Which of the following lamps has the lowest initial installation cost but the highest operational cost?

- Ans
- A. Sodium vapour lamps
 - B. Mercury vapour lamps
 - C. Incandescent lamps
 - D. Fluorescent lamps

Question ID : 630680417631

Option 1 ID : 6306801629278

Option 2 ID : 6306801629277

Option 3 ID : 6306801629275

Option 4 ID : 6306801629276

Status : Answered

Chosen Option : C

Q.128 A Zener diode operates as _____.

- Ans
- A. an inverter
 - B. a voltage stabilizer
 - C. a rectifier
 - D. a chopper

Question ID : 630680417601
Option 1 ID : 6306801629155
Option 2 ID : 6306801629157
Option 3 ID : 6306801629156
Option 4 ID : 6306801629158
Status : Answered
Chosen Option : B

Q.129 In wave winding type armature windings of a DC generator, how many conductors are connected in each parallel path if Z is the total number of armature conductors?

- Ans
- A. $2Z$
 - B. Z
 - C. $Z/2$
 - D. $4Z$

Question ID : 630680417591
Option 1 ID : 6306801629115
Option 2 ID : 6306801629117
Option 3 ID : 6306801629116
Option 4 ID : 6306801629118
Status : Answered
Chosen Option : C

Q.130 Impedance relay is a _____.

- Ans
- A. current restrained overvoltage relay
 - B. current restrained overcurrent relay
 - C. voltage restrained overcurrent relay
 - D. voltage restrained overvoltage relay

Question ID : 630680417690
Option 1 ID : 6306801629511
Option 2 ID : 6306801629513
Option 3 ID : 6306801629512
Option 4 ID : 6306801629514
Status : Answered
Chosen Option : C

Q.131 Lumen/watt of an incandescent lamp is _____.

- Ans
- A. inversely proportional to the square of the working voltage
 - B. directly proportional to the working voltage
 - C. directly proportional to the square of the working voltage
 - D. inversely proportional to the working voltage

Question ID : 630680417636

Option 1 ID : 6306801629298

Option 2 ID : 6306801629295

Option 3 ID : 6306801629296

Option 4 ID : 6306801629297

Status : Answered

Chosen Option : B

Q.132 Which of the following information CANNOT be obtained from an open-circuit test?

- Ans
- A. Copper loss.
 - B. The shunt branch parameters of the equivalent circuit i.e. R_c & X_m .
 - C. Turns ratio of the transformer.
 - D. Core loss at rated voltage and frequency.

Question ID : 630680417589

Option 1 ID : 6306801629108

Option 2 ID : 6306801629110

Option 3 ID : 6306801629109

Option 4 ID : 6306801629107

Status : Answered

Chosen Option : A

Q.133 When the air gap in an induction motor is increased, which of the following will also increase?

- Ans
- A. Power factor
 - B. Magnetizing current
 - C. Speed
 - D. Air gap flux

Question ID : 630680417640

Option 1 ID : 6306801629311

Option 2 ID : 6306801629312

Option 3 ID : 6306801629313

Option 4 ID : 6306801629314

Status : Answered

Chosen Option : B

Q.134 If the brake magnet is moved towards the centre of the spindle of an energy meter, then the disc speed will be _____.

- Ans
- A. None of the given options
 - B. not affected
 - C. increased
 - D. decreased

Question ID : 630680417565
Option 1 ID : 6306801629014
Option 2 ID : 6306801629013
Option 3 ID : 6306801629012
Option 4 ID : 6306801629011
Status : Answered
Chosen Option : C

Q.135 Core type transformers are preferred for _____.

- Ans
- A. low voltage and high power levels
 - B. high voltage and high power levels
 - C. high voltage and low power levels
 - D. low voltage and low power levels

Question ID : 630680417572
Option 1 ID : 6306801629042
Option 2 ID : 6306801629039
Option 3 ID : 6306801629041
Option 4 ID : 6306801629040
Status : Answered
Chosen Option : C

Q.136 External characteristic of a DC generator is a plot between _____ and _____.

- Ans
- A. generated EMF; armature current
 - B. terminal voltage; load current
 - C. terminal voltage; armature current
 - D. generated EMF; load current

Question ID : 630680417683
Option 1 ID : 6306801629484
Option 2 ID : 6306801629483
Option 3 ID : 6306801629485
Option 4 ID : 6306801629486
Status : Answered
Chosen Option : B

Q.137 Synchronous machine operating under zero power factor lagging behaves like a/an _____.

- Ans
- A. resistor
 - B. generator
 - C. inductor
 - D. capacitor

Question ID : 630680417647
Option 1 ID : 6306801629341
Option 2 ID : 6306801629342
Option 3 ID : 6306801629340
Option 4 ID : 6306801629339
Status : Answered
Chosen Option : C

Q.138 A 200 W bulb and a 100 W bulb, both meant for operation at 220 V, are connected in series. When connected to a 220 V supply, the power consumed by them is _____.

- Ans
- A. 33 W
 - B. 300 W
 - C. 66 W
 - D. 100 W

Question ID : 630680417548
Option 1 ID : 6306801628943
Option 2 ID : 6306801628946
Option 3 ID : 6306801628944
Option 4 ID : 6306801628945
Status : Answered
Chosen Option : B

Q.139 Armature reaction MMF at unity power factor of a synchronous generator is _____.

- Ans
- A. cross-magnetising
 - B. magnetising
 - C. demagnetising
 - D. None of the given options

Question ID : 630680417652
Option 1 ID : 6306801629361
Option 2 ID : 6306801629359
Option 3 ID : 6306801629360
Option 4 ID : 6306801629362
Status : Answered
Chosen Option : A

Q.140 The maximum efficiency of a full-wave rectifier is _____.

- Ans A. 81.2%
 B. 20.3%
 C. 60.3%
 D. 40.6%

Question ID : 630680417599
Option 1 ID : 6306801629147
Option 2 ID : 6306801629149
Option 3 ID : 6306801629150
Option 4 ID : 6306801629148
Status : Answered
Chosen Option : A

Q.141 Which of the following statements is/are true for an electrodynamicometer wattmeter, due to pressure coil inductance?

- i. Wattmeter will read high for lagging loads.
ii. Wattmeter will read low for lagging loads.
iii. Wattmeter will read high for leading loads.
iv. Wattmeter will read low for leading loads.

- Ans A. Only iv
 B. ii and iii
 C. i and iv
 D. Only i

Question ID : 630680417659
Option 1 ID : 6306801629390
Option 2 ID : 6306801629388
Option 3 ID : 6306801629387
Option 4 ID : 6306801629389
Status : Answered
Chosen Option : C

Q.142 How are the field coils of an electrodynamicometer wattmeter connected?

- Ans A. In series and parallel with the load.
 B. In parallel with the load.
 C. None of the given options
 D. In series with the load.

Question ID : 630680417660
Option 1 ID : 6306801629393
Option 2 ID : 6306801629392
Option 3 ID : 6306801629394
Option 4 ID : 6306801629391
Status : Answered
Chosen Option : A

Q.143 Which of the following is correct for forward blocking mode of SCR?

Ans A.

Junctions J_1 , J_3 are reverse biased but junction J_2 is forward biased.

B.

Junctions J_1 , J_2 are forward biased but junction J_3 is reverse biased.

C.

Junctions J_1 , J_3 are forward biased but junction J_2 is reverse biased.

D.

Junctions J_1 , J_2 are reverse biased but junction J_3 is forward biased.

Question ID : 630680417611

Option 1 ID : 6306801629198

Option 2 ID : 6306801629195

Option 3 ID : 6306801629197

Option 4 ID : 6306801629196

Status : Answered

Chosen Option : C

Q.144 Which of the following is the correct formula for fusing factor of a fuse?

Ans A.

Fusing factor = (current rating of fuse) \times (minimum fusing current)

B.

Fusing factor = (minimum fusing current) / (current rating of fuse)

C.

Fusing factor = (current rating of fuse) / (minimum fusing current)

D.

Fusing factor = (current rating of fuse) + (minimum fusing current)

Question ID : 630680417689

Option 1 ID : 6306801629509

Option 2 ID : 6306801629508

Option 3 ID : 6306801629507

Option 4 ID : 6306801629510

Status : Answered

Chosen Option : B

Q.145 Split-phase induction motors are suitable for _____.

Ans A. low starting torque

B. high starting torque

C. very high starting torque

D. moderate starting torque

Question ID : 630680417644

Option 1 ID : 6306801629327

Option 2 ID : 6306801629328

Option 3 ID : 6306801629330

Option 4 ID : 6306801629329

Status : Answered

Chosen Option : D

Q.146 In a common base connection, current amplification factor is 0.8. If the emitter current is 2 mA, then the base current will be _____.

- Ans
- A. 0.6 mA
 - B. 0.2 mA
 - C. 0.8 mA
 - D. 0.4 mA

Question ID : 630680417605
Option 1 ID : 6306801629173
Option 2 ID : 6306801629171
Option 3 ID : 6306801629174
Option 4 ID : 6306801629172
Status : Answered
Chosen Option : D

Q.147 The formula $i = 36\sin 314t$ yields an alternating current. The alternating current's frequency will be _____.

- Ans
- A. 50 Hz
 - B. 80 Hz
 - C. 60 Hz
 - D. 40 Hz

Question ID : 630680417576
Option 1 ID : 6306801629056
Option 2 ID : 6306801629058
Option 3 ID : 6306801629057
Option 4 ID : 6306801629055
Status : Answered
Chosen Option : A

Q.148 If the maximum voltage applied across the half secondary winding of a centre-tap full-wave rectifier is 48V, then the peak inverse voltage will be _____.

- Ans
- A. 32 V
 - B. 48 V
 - C. 24 V
 - D. 96 V

Question ID : 630680417600
Option 1 ID : 6306801629154
Option 2 ID : 6306801629152
Option 3 ID : 6306801629151
Option 4 ID : 6306801629153
Status : Answered
Chosen Option : D

Q.149 What will happen if the plates of a charged parallel plate capacitor are pulled apart?

- Ans
- A. The PD will decrease.
 - B. The capacitance will increase.
 - C. The PD will remain unchanged.
 - D. The PD will increase.

Question ID : 630680417623
Option 1 ID : 6306801629244
Option 2 ID : 6306801629246
Option 3 ID : 6306801629243
Option 4 ID : 6306801629245
Status : Answered
Chosen Option : C

Q.150 If load is increased, then speed of a synchronous motor _____.

- Ans
- A. remains almost constant
 - B. decreases
 - C. increases
 - D. may decrease or increase

Question ID : 630680417626
Option 1 ID : 6306801629258
Option 2 ID : 6306801629255
Option 3 ID : 6306801629256
Option 4 ID : 6306801629257
Status : Answered
Chosen Option : A