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SSC JE ME 28 Oct 2020 Evening Session

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Section : General Intelligence and Reasoning

Q.1 A clock is rotated in a way that the digit 6 is replaced by 12 and the digit 3 is replaced by 9. In which direction respectively will the hour and the minute hand be at exactly 01:45 hours?

- Ans**
- 1. North-East and West
 - 2. South-East and East
 - 3. North-East and West
 - 4. South-West and East

Question ID : 654978826
Status : Answered
Chosen Option : 3

Q.2 Arrange the following cities in a logical and meaningful order.

1. Jhansi
2. Bhopal
3. Leh
4. Vellore
5. Chandigarh

- Ans**
- 1. 3, 5, 1, 4, 2
 - 2. 4, 2, 1, 5, 3
 - 3. 4, 1, 5, 2, 3
 - 4. 3, 1, 5, 2, 4

Question ID : 654978807
Status : Answered
Chosen Option : 4

Q.3 Select the option that can replace question mark (?) in the following matrix.

51	64	48
103	129	97
155	194	?

- Ans**
- 1. 244
 - 2. 146
 - 3. 144
 - 4. 148

Question ID : **654978838**
Status : **Answered**
Chosen Option : **2**

Q.4 Mehak is standing to the north of Karishma. Kartik is standing to the east of Karishma. Kartik is standing in which direction with respect to Mehak?

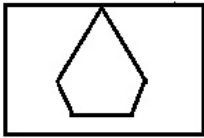
- Ans**
- 1. North-East
 - 2. North-West
 - 3. South-West
 - 4. South-East

Question ID : **654978825**
Status : **Answered**
Chosen Option : **4**



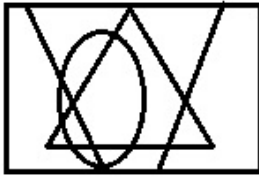
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Q.5 Select the option in which the given figure is embedded. (Rotation is NOT allowed)

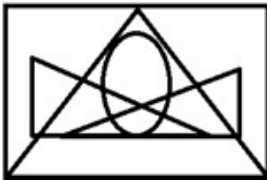


Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 654978844
Status : Answered
Chosen Option : 1

Q.6 Looking at a picture of a girl, Ramesh said, "She is my son's mother's sister-in-law's only daughter". How is the girl related to Ramesh?

- Ans
- ✗ 1. Daughter
 - ✗ 2. Sister
 - ✗ 3. Cousin
 - ✓ 4. Niece

Question ID : 654978827
Status : Answered
Chosen Option : 1

Q.7 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All axes are knives.
2. No knife is sharp.

Conclusions:

- I. All knives are axes.
- II. Some axes are sharp.

- Ans**
- 1. Only conclusion II follows
 - 2. Neither conclusion I nor II follows
 - 3. Both conclusions I and II follow
 - 4. Only conclusion I follows

Question ID : **654978823**
Status : **Answered**
Chosen Option : **2**

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All lions are dogs.
2. All tigers are cats.
3. All cats are snakes.
4. Some horses are dogs.

Conclusions:

- I. Some horses are cats.
- II. Some cats are lions.

- Ans**
- 1. Only conclusion I follows
 - 2. Both conclusions I and II follow
 - 3. Only conclusion II follows
 - 4. Neither conclusion I nor II follows

Question ID : **654978824**
Status : **Answered**
Chosen Option : **4**

Q.9 Arrange the following medical conditions in a logical and meaningful order.

1. Stroke
2. Gastritis
3. Sore throat
4. Hip dislocation
5. Heart attack

- Ans**
- 1. 4, 5, 3, 2, 1
 - 2. 1, 5, 3, 2, 4
 - 3. 4, 5, 2, 3, 1
 - 4. 1, 3, 5, 2, 4

Question ID : **654978806**
Status : **Answered**
Chosen Option : **4**

Q.10 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

_ q r _ r p _ p _ p q _ q r _

- Ans**
- 1. q, r, q, p, r, q
 - 2. p, r, q, r, p, q
 - 3. p, q, r, q, r, p
 - 4. q, r, p, q, r, p

Question ID : **654978804**
Status : **Answered**
Chosen Option : **3**

Q.11 Looking at a picture of a girl, Samuel said, "She is the daughter of my paternal grandfather's only daughter". How is the girl related to Samuel?

- Ans**
- 1. Mother
 - 2. Aunt
 - 3. Cousin
 - 4. Sister-in-law

Question ID : **654978828**
Status : **Answered**
Chosen Option : **3**

Q.12 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

_ _ r _ p q _ s _ q r _

- Ans**
- 1. q, s, p, q, s, r
 - 2. p, q, s, r, q, s
 - 3. p, q, s, r, p, s
 - 4. q, s, q, p, s, r

Question ID : **654978805**
Status : **Answered**
Chosen Option : **3**

Q.13 Select the option in which the two words are related in the same way as are the two words in the given word-pair.
Alphabet : Chapter

- Ans**
- 1. Wood : Soil
 - 2. Honeycomb : Beehive
 - 3. Water Cannon : Fire
 - 4. Socket : Electricity

Question ID : **654978814**
Status : **Answered**
Chosen Option : **2**

Q.14 Arrange the following words in the order in which they appear in the English dictionary.

1. Deficit
2. Deliberation
3. Defamation
4. Defecation
5. Definition

- Ans**
- 1. 3, 4, 1, 5, 2
 - 2. 3, 1, 4, 2, 5
 - 3. 3, 4, 1, 2, 5
 - 4. 4, 3, 1, 5, 2

Question ID : 654978809
Status : Answered
Chosen Option : 1

Q.15 Select the correct combination of mathematical signs that can sequentially replace the '**' signs to balance the given equation.




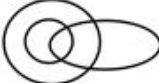
$$3 * 6 * 5 * 3 * 5 = 0$$

- Ans**
- 1. +, ×, −, +
 - 2. +, ×, +, −
 - 3. −, +, ×, +
 - 4. +, +, −, ×

Question ID : 654978839
Status : Answered
Chosen Option : 3

Q.16 Select the Venn diagram that best illustrates the relationship between the following classes.

Rainbow, Nature, Human

- Ans**
- 1. 
 - 2. 
 - 3. 
 - 4. 

Question ID : 654978849
Status : Answered
Chosen Option : 3

Q.17 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

PALM : SDOP :: MARE : ?

- Ans**
- 1. PDUH
 - 2. RCVG
 - 3. RDUH
 - 4. PDHU

Question ID : 654978815
Status : Answered
Chosen Option : 1

Q.18 In a certain code language 'CANDID' is written as 'EFPIKI'. How will 'MATURE' be written in the same code language?

- Ans**
- 1. OEVYTJ
 - 2. OEYVUI
 - 3. OFVZTJ
 - 4. OFZVTJ

Question ID : 654978819
Status : Answered
Chosen Option : 3

Q.19 Which of the following statements is correct for Quantity A and B?

Quantity A

(-8) (6) (4) (-9) (-12)

Quantity B

(6) (-4) (6) (2) (-4)

- Ans**
- 1. Quantity A is twice as that of Quantity B
 - 2. Both are equal
 - 3. Quantity B is bigger
 - 4. Quantity A is bigger

Question ID : 654978841
Status : Answered
Chosen Option : 3

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

ALMOND : BMNPOE :: PATTERN : ?

- Ans**
- 1. QBUUFSO
 - 2. QBSSFSO
 - 3. QBUUESO
 - 4. QAUSFSO

Question ID : 654978816
Status : Answered
Chosen Option : 1

Q.21 In a certain code language, if CAR is coded as 22 and BEGAN is coded as 29, then how will FLOWER be coded in the same language?

- Ans**
- 1. 76
 - 2. 79
 - 3. 80
 - 4. 97

Question ID : 654978821
Status : Answered
Chosen Option : 2

Q.22 Three different positions of the same dice are shown. Find the number on the face opposite to the face showing number '4'.

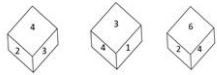


Figure 1 Figure 2 Figure 3

- Ans**
- 1. 6
 - 2. 1
 - 3. 2
 - 4. 5

Question ID : 654978843
Status : Answered
Chosen Option : 4

Q.23 Four boys A, B, C, D and 4 girls M, N, O, P are sitting around a round table facing each other.

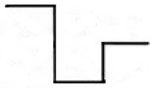
- i. No 2 boys and girls are sitting together.
- ii. M is sitting to the right of B.
- iii. O is facing N and is sitting to the left of A.
- iv. C is sitting to the right of P.

Which two persons are sitting adjacent to D, to the left and right respectively?

- Ans**
- 1. M and N
 - 2. M and O
 - 3. O and M
 - 4. N and M

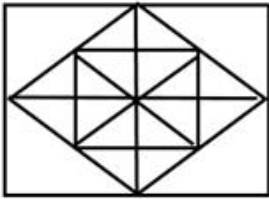
Question ID : 654978830
Status : Not Answered
Chosen Option : --

Q.24 Select the option in which the given figure is embedded. (Rotation is NOT allowed)

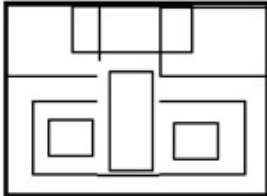


Ans

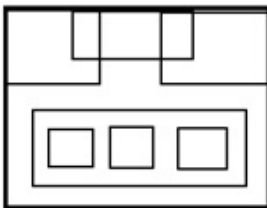
✓ 1.



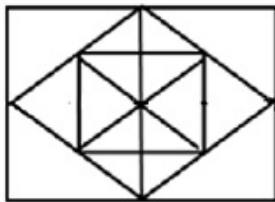
✗ 2.



✗ 3.



✗ 4.



Question ID : 654978846
Status : Answered
Chosen Option : 2

Q.25 Select the option that can replace the question mark (?) in the following series.

E, G, J, L, O, ?

Ans ✗ 1. P

✗ 2. J

✓ 3. Q

✗ 4. R

Question ID : 654978801
Status : Answered
Chosen Option : 3

Q.26 Select the option that is related to the third term in the same way as the second term is related to the first term.

Chef : Cooking : : Doctor : ?

- Ans**
- 1. Tablet
 - 2. Surgery
 - 3. Nurse
 - 4. Hospital

Question ID : **654978810**
Status : **Answered**
Chosen Option : **2**

Q.27 Select the option in which the two words are related in the same way as are the two words in the given word-pair.

Lost : Found

- Ans**
- 1. Upbeat : Cheerful
 - 2. Shadow : Gloomy
 - 3. Less : Miserable
 - 4. Dormant : Active

Question ID : **654978813**
Status : **Answered**
Chosen Option : **4**

Q.28 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

_ m _ o p _ m n _ p l _ n o _

- Ans**
- 1. l, n, l, m, o, p
 - 2. n, l, o, n, m, p
 - 3. l, n, l, o, m, p
 - 4. n, o, l, m, n, o

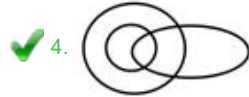
Question ID : **654978803**
Status : **Answered**
Chosen Option : **3**



Q.29 Select the Venn diagram that best illustrates the relationship between the following classes.

Indian, Football Player, Sports Person

Ans



Question ID : 654978850

Status : Answered

Chosen Option : 4

Q.30 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans

1. 17 : 221

2. 13 : 169

3. 12 : 156

4. 19 : 249

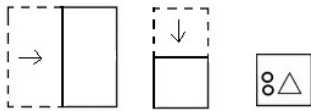
Question ID : 654978835

Status : Not Answered

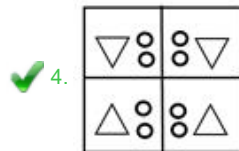
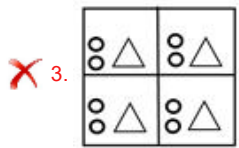
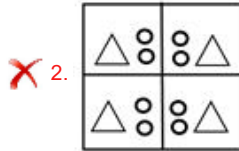
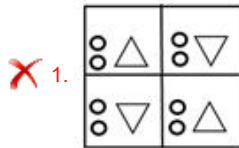
Chosen Option : --



Q.31 A paper is folded and cut as shown in the following figure. How will it appear when unfolded?



Ans



Question ID : 654978848
 Status : Answered
 Chosen Option : 4

Q.32 In a certain code language, 'TOGETHER' is coded as '41834932', 'WE' is coded as '53' and 'LIVE' is coded as 0673. What will be the code for 'VERTIGO' in the same language?

- Ans**
- ✓ 1. 7324681
 - ✗ 2. 6324731
 - ✗ 3. 6234731
 - ✗ 4. 7322681

Question ID : 654978822
 Status : Answered
 Chosen Option : 1

Q.33 Identify the number that does NOT belong to the following series.

1, 16, 35, 60, 85, 116

- Ans**
- ✗ 1. 85
 - ✗ 2. 116
 - ✓ 3. 60
 - ✗ 4. 35

Question ID : 654978832
 Status : Not Answered
 Chosen Option : --

Q.34 Bala is 40 years old. Akshay is younger than Bala. Rahul is between Akshay and Anirudh, while Bala is between Akshay and Darpan. If there is a consecutive difference of 4 years between their ages, then what is the age of Rahul?

- Ans**
- 1. 36 years
 - 2. 32 years
 - 3. 44 years
 - 4. 28 years

Question ID : 654978842
Status : Answered
Chosen Option : 4

Q.35 Arrange the following words in a meaningful sequence.

a) Beryllium b) Hydrogen c) Sulphur d) Neon

- Ans**
- 1. badc
 - 2. cabd
 - 3. bcda
 - 4. abdc

Question ID : 654978808
Status : Answered
Chosen Option : 1

Q.36 Select the option that can replace question mark (?) in the following matrix.

8	10	24
18	36	40
13	23	?

- Ans**
- 1. 36
 - 2. 14
 - 3. 32
 - 4. 23

Question ID : 654978837
Status : Not Answered
Chosen Option : --

Q.37 Select the option that can replace the question mark (?) in the following series.

D, I, P, Y, ?

- Ans**
- 1. Z
 - 2. J
 - 3. W
 - 4. I

Question ID : 654978802
Status : Answered
Chosen Option : 2

Q.38 Select the option in which the two numbers share the same relationship as that shared by the given number-pair.

256 : 32

- Ans**
- 1. 13 : 169
 - 2. 169 : 26
 - 3. 144 : 16
 - 4. 96 : 12

Question ID : 654978834

Status : Not Answered

Chosen Option : --

Q.39 Select the correct combination of mathematical signs that can sequentially replace the '**' signs to balance the given equation.

$7 * 3 * 5 * 15 * 8 = 8$

- Ans**
- 1. -, +, ×, ÷
 - 2. +, +, ×, -
 - 3. +, ×, -, ÷
 - 4. -, +, ×, +

Question ID : 654978840

Status : Answered

Chosen Option : 2

Q.40 Select the option that is related to the third term in the same way as the second term is related to the first term.

BHARAT : CJBTVB :: INDIAN : ?

- Ans**
- 1. JPKCO
 - 2. KOEKBP
 - 3. JPELBP
 - 4. JPEKBP

Question ID : 654978817

Status : Answered

Chosen Option : 4

Q.41 Thomas, Jack, Harry, Sam, Yash and Jason are sitting equidistant from each other around a round table facing towards the centre. Yash is to the right of Sam. Harry is between Thomas and Jack. Jason is between Sam and Thomas. Who is sitting in front of Sam?

- Ans**
- 1. Sam
 - 2. Yash
 - 3. Jason
 - 4. Harry

Question ID : 654978836

Status : Not Answered

Chosen Option : --

Q.42 Select the option that is related to the third term in the same way as the second term is related to the first term.

Rome : Italy :: Ankara : ?

- Ans**
- 1. South korea
 - 2. Sudan
 - 3. Iraq
 - 4. Turkey

Question ID : 654978812
Status : Answered
Chosen Option : 4

Q.43 The position of the first and eighth letters of the word ADMINISTRATION are interchanged. Similarly, the second and ninth letters are interchanged, and so on. Which will be the fourth letter from the right end?

- Ans**
- 1. S
 - 2. T
 - 3. I
 - 4. N

Question ID : 654978829
Status : Answered
Chosen Option : 3

Q.44 In a certain code language, 'NEVER LOOK BACK' is written as 'HNPNS AWWB KRZB'. How will 'VOCABLE' be written in the same code language?

- Ans**
- 1. NPWZRKA
 - 2. NWZRKAN
 - 3. PWZRKAN
 - 4. PWZKRAN

Question ID : 654978820
Status : Answered
Chosen Option : 3

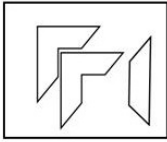
Q.45 Identify the number that does NOT belong to the following series.

15, 16, 34, 105, 424, 2142, 12756

- Ans**
- 1. 34
 - 2. 105
 - 3. 16
 - 4. 2142

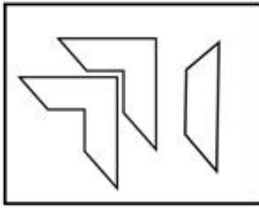
Question ID : 654978833
Status : Not Answered
Chosen Option : --

Q.46 Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.

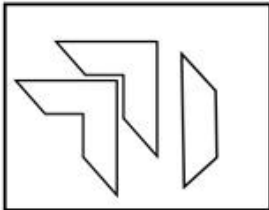


Ans

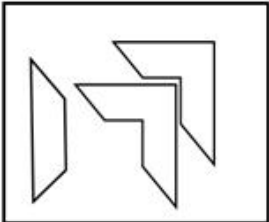
1.



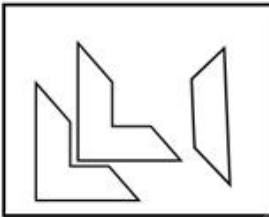
2.



3.



4.



Question ID : 654978847
Status : Answered
Chosen Option : 3

Q.47 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

ACCOMMODATE : CAEMOKQBCRC :: APPARENTLY : ?

Ans

1. CNRYTPRCWN

2. CNRYTCROWN

3. CNRYTRPNW

4. CNRYTCPRNW

Question ID : 654978818
Status : Not Answered
Chosen Option : --

Q.48 Select the option that can replace the question mark (?) in the following series.

$$\frac{1}{196}, \frac{1}{14}, ?, 14$$

Ans 1. 1

2. $\frac{2}{3}$

3. $\frac{1}{7}$

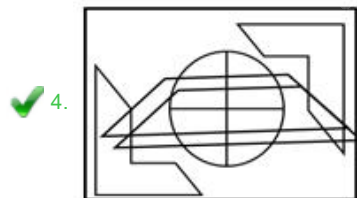
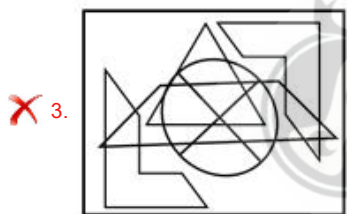
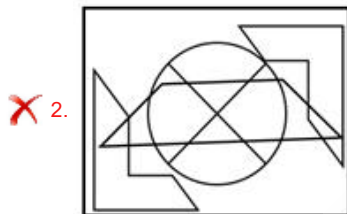
4. $\frac{1}{2}$

Question ID : 654978831
Status : Answered
Chosen Option : 1

Q.49 Select the option in which the given figure is embedded. (Rotation is NOT allowed)



Ans



Question ID : 654978845
Status : Answered
Chosen Option : 4

Q.50 Select the option that is related to the third term in the same way as the second term is related to the first term.

Cheetah : Fast : : Turtle : ?

- Ans**
- 1. Hard
 - 2. Fast
 - 3. Slow
 - 4. Tired

Question ID : **654978811**
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 Which of the following is **INCORRECT** about modern periodic table?

- Ans**
- 1. Modern periodic table has 15 columns
 - 2. From left to right across a period, each element has one more proton than the element before it
 - 3. Columns of the modern table are called groups
 - 4. Rows of the modern periodic table are called periods

Question ID : **654978878**
Status : **Answered**
Chosen Option : **1**

Q.2 Which of the following is **NOT** a Maharatna company?

- Ans**
- 1. Steel Authority of India Limited
 - 2. Hindustan Copper Limited
 - 3. Oil & Natural Gas Corporation Limited
 - 4. Bharat Heavy Electricals Limited

Question ID : **654978860**
Status : **Answered**
Chosen Option : **2**

Q.3 Tata Steel Tour Championship 2019 is related to:

- Ans**
- 1. tennis
 - 2. golf
 - 3. hockey
 - 4. badminton

Question ID : **654978900**
Status : **Not Answered**
Chosen Option : **--**

Q.4 The Central Industrial Security Force (CISF) is observing 2020 as the Year of:

- Ans
- 1. Mobility
 - 2. Plant Health
 - 3. Connectivity
 - 4. Prosperity

Question ID : 654978855
Status : Not Answered
Chosen Option : --

Q.5 Who was the President of India when Emergency was imposed in India for the third time in 1975?

- Ans
- 1. Giani Zail Singh
 - 2. Basappa Dasappa Jatti
 - 3. Fakhruddin Ali Ahmed
 - 4. Zakir Husain Khan

Question ID : 654978895
Status : Not Answered
Chosen Option : --

Q.6 Which of the following is NOT present in chlorophyll?

- Ans
- 1. Magnesium
 - 2. Nitrogen
 - 3. Potassium
 - 4. Carbon

Question ID : 654978864
Status : Answered
Chosen Option : 4

Q.7 For which state did the Asian Development Bank (ADB) and the Government of India in 2019 sign a \$206 million loan to develop water supply and sewerage infrastructure?

- Ans
- 1. Maharashtra
 - 2. Karnataka
 - 3. Tamil Nadu
 - 4. Rajasthan

Question ID : 654978859
Status : Not Answered
Chosen Option : --

Q.8 Which of the following is used as a bio-indicator of air pollution?

- Ans
- 1. Fern
 - 2. Cycas
 - 3. Pseudomonas
 - 4. Lichens

Question ID : 654978872
Status : Answered
Chosen Option : 4

Q.9 Which of the following is NOT a variety of rice?

- Ans
- 1. Birsa Dhan-105
 - 2. Karjat-2
 - 3. Poovan
 - 4. Ratnagiri-3

Question ID : 654978884
Status : Not Answered
Chosen Option : --

Q.10 Which of the following states has proposed a law named Disha Bill, 2019?

- Ans
- 1. Maharashtra
 - 2. Andhra Pradesh
 - 3. Karnataka
 - 4. Gujarat

Question ID : 654978853
Status : Answered
Chosen Option : 2

Q.11 Which of the following pairs is NOT correctly matched?

- Ans
- 1. Article 114 - Appropriation Bill
 - 2. Article 79 - Supreme Court
 - 3. Article 280 - Finance Commission
 - 4. Article 312 - All India Services

Question ID : 654978897
Status : Answered
Chosen Option : 2

Q.12 Who among the following is related to the Chittagong Armoury Raid?

- Ans
- 1. Ashfaqulla Khan
 - 2. VD Savarkar
 - 3. Aurobindo Ghosh
 - 4. Kalpana Datta

Question ID : 654978889
Status : Not Answered
Chosen Option : --

Q.13 Which Indian products are issued with eco-mark?

- Ans
- 1. Products which are cost effective
 - 2. Products which are not biodegradable
 - 3. Product which are environment-friendly
 - 4. Products which are free of adulteration

Question ID : 654978868
Status : Answered
Chosen Option : 3

Q.14 Which of the following bodies is NOT mentioned in the Constitution?

- Ans
- 1. National Human Rights Commission
 - 2. National Commission for Scheduled Tribes
 - 3. Finance Commission
 - 4. Union Public Service Commission

Question ID : 654978898
Status : Answered
Chosen Option : 3

Q.15 The incident on 5 February, 1922, at Chauri Chaura was the main cause for the withdrawal of:

- Ans
- 1. Non-Cooperation Movement
 - 2. Rowlatt Satyagraha
 - 3. Civil Disobedience Movement
 - 4. Quit India Movement

Question ID : 654978888
Status : Answered
Chosen Option : 3

Q.16 Choose the INCORRECT match with respect to newspaper and its corresponding editor:

- Ans
- 1. Comrade - Bal Gangadhar Tilak
 - 2. Vande Mataram - Aurobindo Ghosh
 - 3. Sandhya - Brahmabandhab Upadhyay
 - 4. New India - Bipin Chandra Pal

Question ID : 654978891
Status : Not Answered
Chosen Option : --

Q.17 Who has the shortest tenure as a Chief Minister?

- Ans
- 1. Om Prakash Chautala
 - 2. Devendra Fadnavis
 - 3. BS Yeddyurappa
 - 4. Harish Rawat

Question ID : 654978894
Status : Not Answered
Chosen Option : --

Q.18 Which of the following parasites is the cause of the guinea-worm disease?

- Ans
- 1. *Dracunculus medinensis*
 - 2. Lymphatic filariasis
 - 3. *Strongyloides stercoralis*
 - 4. Gnathostomiasis

Question ID : 654978871
Status : Not Answered
Chosen Option : --

Q.19 Choose the INCORRECT pair with respect to wetland and their location?

- Ans
- 1. Ropar Lake - Punjab
 - 2. Sambhar Lake - Rajasthan
 - 3. Deepor Beel - Assam
 - 4. Harike Lake - Kerala

Question ID : 654978886
Status : Not Answered
Chosen Option : --

Q.20 Where was the 11th BRICS conference held on 13th–14th November, 2019?

- Ans
- 1. Paris
 - 2. Delhi
 - 3. Moscow
 - 4. Brasilia

Question ID : 654978854
Status : Answered
Chosen Option : 3

Q.21 Which animal has the scientific name Pterois Volitans?

- Ans
- 1. Cuttlefish
 - 2. Red Lionfish
 - 3. Starfish
 - 4. Devilfish

Question ID : 654978863
Status : Not Answered
Chosen Option : --

Q.22 Which of the following is the SI unit of pressure?

- Ans
- 1. Parsec
 - 2. Lumen
 - 3. Candela
 - 4. Pascal

Question ID : 654978866
Status : Answered
Chosen Option : 4

Q.23 Choose the INCORRECT statement with respect to soils of India.

- Ans
- 1. The red soil colour is caused by aluminium compounds
 - 2. Regur soil is most suitable for the cultivation of cotton
 - 3. Black soil is also called Regur soil
 - 4. Laterite soil is prone to intensive leaching due to rain

Question ID : 654978885
Status : Answered
Chosen Option : 2

Q.24 Who discovered the first antibiotic 'penicillin'?

- Ans
- 1. James Watson
 - 2. Alexander Fleming
 - 3. Francis Crick
 - 4. Henry Moseley

Question ID : 654978873
Status : Answered
Chosen Option : 2

Q.25 Which of the following is NOT a hormone secreted by Islets of Langerhans?

- Ans
- 1. Somatostatin
 - 2. Glucocorticoids
 - 3. Glucagon
 - 4. Insulin

Question ID : 654978876
Status : Answered
Chosen Option : 4

Q.26 Cuttlefish belongs to phylum _____.

- Ans
- 1. Echinodermata
 - 2. Mollusca
 - 3. Annelida
 - 4. Pisces

Question ID : 654978870
Status : Answered
Chosen Option : 4

Q.27 Who won the 26th Annual Crystal Award for spreading awareness about the importance of mental health?

- Ans
- 1. Dia Mirza
 - 2. Priyanka Chopra
 - 3. Akshay Kumar
 - 4. Deepika Padukone

Question ID : 654978893
Status : Not Answered
Chosen Option : --

Q.28 On the basis of the recommendation of which commission/committee was the state of Haryana formed?

- Ans
- 1. Dhar Committee
 - 2. Fazl Commission
 - 3. JVP Committee
 - 4. Sardar Hukam Singh Parliamentary Committee

Question ID : 654978896
Status : Not Answered
Chosen Option : --

Q.29 Water gas is a mixture of:

- Ans 1. carbon monoxide and hydrogen
 2. carbon dioxide and methane
 3. carbon dioxide and hydrogen
 4. carbon monoxide and nitrogen

Question ID : 654978874
Status : Answered
Chosen Option : 3

Q.30 Saline soils are also known as:

- Ans 1. Bhangar soils
 2. Usara soils
 3. Cotton soil
 4. Regur soils

Question ID : 654978881
Status : Not Answered
Chosen Option : --

Q.31 Which Inert gas is used in cancer treatment?

- Ans 1. Krypton
 2. Radon
 3. Helium
 4. Argon

Question ID : 654978862
Status : Answered
Chosen Option : 2

Q.32 Who launched Surakshit Matritva Aashwasan scheme on 10 October 2019?

- Ans 1. Narendra Modi
 2. Amit Shah
 3. Smriti Irani
 4. Dr. Harsh Vardhan

Question ID : 654978857
Status : Answered
Chosen Option : 1

Q.33 What does 'P' stand for in HTTPS, an expression commonly found in web addresses?

- Ans 1. Processor
 2. Plotter
 3. Protocol
 4. Point

Question ID : 654978851
Status : Answered
Chosen Option : 3

Q.34 Which of the following nitrogen base is NOT related to DNA?

- Ans
- 1. Thymine
 - 2. Uracil
 - 3. Adenine
 - 4. Guanine

Question ID : 654978865
Status : Answered
Chosen Option : 1

Q.35 The first human heart transplant was done by:

- Ans
- 1. Christiaan Barnard
 - 2. Frederick Gowland Hopkins
 - 3. William Harvey
 - 4. Leeuwenhoek

Question ID : 654978869
Status : Answered
Chosen Option : 1

Q.36 Which of the following is NOT correct about Toluene?

- Ans
- 1. It is used for the production of Saccharin.
 - 2. It is used for the production of trinitrotoluene (TNT).
 - 3. It is also known as Toluol.
 - 4. It was first obtained from Aniline.

Question ID : 654978875
Status : Answered
Chosen Option : 1

Q.37 What is the base of the hexadecimal number system?

- Ans
- 1. 10
 - 2. 8
 - 3. 16
 - 4. 2

Question ID : 654978852
Status : Not Answered
Chosen Option : --

Q.38 The union territory of Puducherry shares boundaries with:

- Ans
- 1. Karnataka and Andhra Pradesh
 - 2. Kerala and Tamil Nadu
 - 3. Andhra Pradesh, Kerala and Tamil Nadu
 - 4. Karnataka, Kerala and Tamil Nadu

Question ID : 654978883
Status : Answered
Chosen Option : 1

Q.39 Choose the correct statement:

- Ans 1. Desert National Park is located in Rajasthan.
 2. Gir Forest National Park is located in Maharashtra.
 3. Manas National Park is located in Madhya Pradesh.
 4. Khangchendzonga National Park is located in Arunachal Pradesh.

Question ID : 654978882
Status : Answered
Chosen Option : 3

Q.40 Heat generated in a resistive wire is:

- Ans 1. proportional to the square of the time of current flow
 2. proportional to the square of the current flowing in the wire
 3. proportional to the square of the resistance of the wire
 4. proportional to the cube of the resistance of the wire

Question ID : 654978879
Status : Answered
Chosen Option : 2

Q.41 Salem Steel Plant is located in:

- Ans 1. Tamil Nadu
 2. Odisha
 3. Maharashtra
 4. Jharkhand

Question ID : 654978880
Status : Answered
Chosen Option : 4

Q.42 Muhammad Bin Tughlaq changed his capital from Delhi to:

- Ans 1. Lahore
 2. Munger
 3. Agra
 4. Daulatabad

Question ID : 654978887
Status : Answered
Chosen Option : 3

Q.43 Choose the correct option with respect to the Round Table conference held in the 1930s.

- Ans 1. MK Gandhi took part in the third Round Table conference
 2. Lord Reading was the Viceroy when the first Round Table Conference was held
 3. The Congress participated in all three conferences
 4. Dr. BR Ambedkar participated in all three conferences

Question ID : 654978890
Status : Not Answered
Chosen Option : --

Q.44 Where was the Military Literature Festival 2019 held?

- Ans
- 1. Gurugram
 - 2. Chandigarh
 - 3. Delhi
 - 4. Faridabad

Question ID : 654978856
Status : Not Answered
Chosen Option : --

Q.45 Under the Pradhan Mantri Shram Yogi Mandhan scheme, the minimum monthly pension for each subscriber is:

- Ans
- 1. ₹2,000
 - 2. ₹4,000
 - 3. ₹3,000
 - 4. ₹5,000

Question ID : 654978861
Status : Not Answered
Chosen Option : --

Q.46 Which start up has become the first Indian start up to win the 'Space Oscars' award presented by the European Space Agency?

- Ans
- 1. Hashable
 - 2. iRobot
 - 3. Cloudsnap
 - 4. Blue Sky Analytics

Question ID : 654978858
Status : Answered
Chosen Option : 4

Q.47 What causes Minamata disease?

- Ans
- 1. Deficiency of vitamin D
 - 2. Mercury poisoning
 - 3. Viral infection
 - 4. Deformed gene

Question ID : 654978867
Status : Answered
Chosen Option : 2

Q.48 Which of the following is NOT correctly matched about bone conditions?

- Ans
- 1. Fracture - Broken bones of various types
 - 2. Multiple myeloma - Cancer of the plasma cells in bone marrow
 - 3. Rickets - A child's growing bones fail to develop due to a lack of vitamin D
 - 4. Osteoporosis - Infection of the bone

Question ID : 654978877
Status : Answered
Chosen Option : 2

Q.49 Where was the Junior National Equestrian Championship 2019 held?

- Ans
- 1. Delhi
 - 2. Pune
 - 3. Chandigarh
 - 4. Bengaluru

Question ID : 654978899
Status : Not Answered
Chosen Option : --

Q.50 Who launched his autobiography named as 'Mind Master'?

- Ans
- 1. Chetan Bhagat
 - 2. Yuvraj Singh
 - 3. Rahul Dravid
 - 4. Viswanathan Anand

Question ID : 654978892
Status : Not Answered
Chosen Option : --

Section : General Engineering Mechanical

Q.1 Flooding of a river is an example of _____ flow.

- Ans
- 1. steady and uniform
 - 2. steady and non-uniform
 - 3. unsteady and non-uniform
 - 4. unsteady and uniform

Question ID : 654978971
Status : Answered
Chosen Option : 3

Q.2 In hydraulic coupling, slip is around _____ for motors having low to moderate locked rotor torque.

- Ans
- 1. 6-7%
 - 2. 8-10%
 - 3. 2-3%
 - 4. 12-15%

Question ID : 654978990
Status : Not Answered
Chosen Option : --

Q.3 A water cooling system consists of a fan used to draw _____.

- Ans
- 1. coolant
 - 2. water from the pump
 - 3. lubrication oil
 - 4. air through the radiator

Question ID : 654978929
Status : Answered
Chosen Option : 4

Q.4 Volumetric flow rate of river waters is measured directly using _____.

- Ans
- 1. ultrasonic flow meters
 - 2. weirs
 - 3. vane meter
 - 4. ultraviolet flow meters

Question ID : 654978986
Status : Answered
Chosen Option : 2

Q.5 In _____ process, the cross-section of the bar is increased at the cost of reducing its length.

- Ans
- 1. Spinning
 - 2. Reaming
 - 3. Drawing down
 - 4. Upsetting

Question ID : 654978999
Status : Answered
Chosen Option : 4

Q.6 _____ is a type of anti-frictional bearing.

- Ans
- 1. Pedestal bearing
 - 2. Hydrostatic bearing
 - 3. Collar bearing
 - 4. Needle bearing

Question ID : 654978901
Status : Answered
Chosen Option : 1

Q.7 The process of cooling the refrigerant in vapour compression refrigeration system, known as sub-cooling, is done before :

- Ans
- 1. compression
 - 2. condensation
 - 3. throttling
 - 4. evaporation

Question ID : 654978960
Status : Answered
Chosen Option : 3

Q.8 Which of the following statements about a principal plane is true?

- Ans
- 1. Shear stress can have any value.
 - 2. It has no normal stress.
 - 3. It has maximum shear stress.
 - 4. No shear stress is present.

Question ID : 654978906
Status : Answered
Chosen Option : 1

Q.9 _____ process induces compressive residual stresses on a component to nullify the tensile residual stresses within a steel structure.

- Ans
- 1. Welding
 - 2. Brazing
 - 3. Shot peening
 - 4. Heat treatment

Question ID : 6549781000
Status : Answered
Chosen Option : 4

Q.10 Which of the following processes generally does NOT occur during the heat treatment of steels?

- Ans
- 1. Grain growth
 - 2. Recrystallisation
 - 3. Recovery
 - 4. Rework

Question ID : 654978998
Status : Answered
Chosen Option : 4

Q.11 During the starting of a centrifugal pump, the delivery valve is _____.

- Ans
- 1. fully open
 - 2. fully closed
 - 3. slightly open
 - 4. half-open

Question ID : 654978995
Status : Answered
Chosen Option : 3

Q.12 _____ technique uses wear particles analysis using lubricating oil for predicting the impending failures of machine components.

- Ans
- 1. Spectrography
 - 2. Waveform analysis
 - 3. Envelope analysis
 - 4. Ferrography

Question ID : 654978931
Status : Answered
Chosen Option : 1

Q.13 The range of coefficient of discharge for a Venturimeter is generally _____.

- Ans
- 1. 0.7-0.8
 - 2. 0.6-0.7
 - 3. 0.5-0.6
 - 4. 0.95-0.97

Question ID : 654978984
Status : Answered
Chosen Option : 4

Q.14 The _____ part of the vapour compression cycle produces refrigeration effect.

- Ans
- 1. condenser
 - 2. compressor
 - 3. throttle valve
 - 4. evaporator

Question ID : 654978954
Status : Answered
Chosen Option : 3

Q.15 In a steam nozzle, heat supplied to steam during the expansion process equals _____.

- Ans
- 1. zero
 - 2. heat drop
 - 3. work done
 - 4. change in kinetic energy

Question ID : 654978962
Status : Not Answered
Chosen Option : --

Q.16 Heat rejection in vapour absorption refrigerator occurs in:

- Ans
- 1. generator only
 - 2. condenser and absorber
 - 3. absorber only
 - 4. condenser only

Question ID : 654978955
Status : Answered
Chosen Option : 1

Q.17 In a Li-Br water absorption cycle _____ is used as a refrigerant.

- Ans
- 1. ammonia
 - 2. lithium-bromide
 - 3. water
 - 4. air

Question ID : 654978957
Status : Answered
Chosen Option : 3

Q.18 The degrees of freedom for a pure substance at the triple point is ____.

- Ans
- 1. 2
 - 2. 1
 - 3. 0
 - 4. 3

Question ID : 654978910
Status : Answered
Chosen Option : 3

Q.19 The octane rating is a measure of the ability of the _____ to resist detonation during combustion.

- Ans
- 1. cylinder
 - 2. air mixture
 - 3. piston
 - 4. fuel

Question ID : 654978926
Status : Answered
Chosen Option : 4

Q.20 An after-cooler provided in reciprocating compressors performs the function of _____

- Ans
- 1. reducing the volume of compressed air
 - 2. reducing temperature of compressed air
 - 3. removal of impurities from compressed air
 - 4. removal of moisture from compressed air

Question ID : 654978950
Status : Not Answered
Chosen Option : --

Q.21 Which of the following cycles incorporates two isothermal processes?

- Ans
- 1. Otto cycle
 - 2. Carnot cycle
 - 3. Dual cycle
 - 4. Diesel cycle

Question ID : 654978921
Status : Answered
Chosen Option : 1

Q.22 _____ is a gas-power cycle which consists of two isothermals connected by two constant volume processes.

- Ans
- 1. Atkinson cycle
 - 2. Brayton cycle
 - 3. Ericsson cycle
 - 4. Stirling cycle

Question ID : 654978922
Status : Not Answered
Chosen Option : --

Q.23 Which of the following metals contains chromium as its major alloying element?

- Ans
- 1. Copper
 - 2. Stainless steel
 - 3. Titanium
 - 4. Carbon steels

Question ID : 654978996
Status : Answered
Chosen Option : 2

Q.24 Which of the following instruments is used for measuring ultra-high vacuum?

- Ans
- 1. Manometer
 - 2. McLeod gauge
 - 3. Cathode ray oscilloscope
 - 4. Bourdon tube

Question ID : 654978973
Status : Answered
Chosen Option : 2

Q.25 The anti-knock value of a gasoline engine is defined in terms of a/an _____.

- Ans
- 1. Crook number
 - 2. Octane number
 - 3. Cetane number
 - 4. Knock number

Question ID : 654978927
Status : Answered
Chosen Option : 2

Q.26 Inside a boiler surface, scales are formed due to the presence of _____ in the boiler feed water.

- Ans
- 1. insoluble compounds
 - 2. oils
 - 3. dissolved gases
 - 4. Ca and Mg salts

Question ID : 654978935
Status : Answered
Chosen Option : 4

Q.27 A car has a four-stroke in-line diesel engine whose compression ratio is 21 : 1 and expansion ratio is 10 : 1. What is the cut off ratio?

- Ans
- 1. 2.8
 - 2. 2.1
 - 3. 3.2
 - 4. 210

Question ID : 654978925
Status : Answered
Chosen Option : 2

Q.28 _____ boiler involves circulation of water by natural convention.

- Ans
- 1. Velox
 - 2. Babcock–Wilcox
 - 3. LaMont
 - 4. Benson

Question ID : 654978941
Status : Answered
Chosen Option : 2

Q.29 _____ use(s) air refrigeration cycle.

- Ans
- 1. Cryogenic chambers
 - 2. Aircraft air-conditioning system
 - 3. Commercial refrigeration
 - 4. Gas chambers

Question ID : 654978917
Status : Answered
Chosen Option : 3

Q.30 Multi-stage centrifugal pumps are employed to obtain ____.

- Ans
- 1. pumping of viscous fluids
 - 2. higher discharge
 - 3. higher head
 - 4. higher head and discharge

Question ID : 654978993
Status : Answered
Chosen Option : 4

Q.31 If the back pressure is low enough and the throat is sonic, the Mach number is more than 1 in a/an _____ section during flow in a convergent-divergent nozzle.

- Ans
- 1. entry
 - 2. converging
 - 3. throat
 - 4. diverging

Question ID : 654978963
Status : Answered
Chosen Option : 2

Q.32 Which of the following devices is NOT used to measure flow rate or velocity of fluid?

- Ans
- 1. Current and turbine meter
 - 2. Wire anemometer
 - 3. Pitot tube
 - 4. Piezometer

Question ID : 654978968
Status : Answered
Chosen Option : 2

Q.33 _____ boiler has a unique characteristic of NOT having a steam separating drum.

- Ans
- 1. LaMont
 - 2. Loeffler
 - 3. Benson
 - 4. Velox

Question ID : 654978943
Status : Not Answered
Chosen Option : --

Q.34 For a circular shaft under torsion, shear stress values at the centre of the shaft is _____.

- Ans
- 1. zero
 - 2. unity
 - 3. minimum
 - 4. maximum

Question ID : 654978908
Status : Answered
Chosen Option : 1

Q.35 For a steam power plant, _____ cycle is recommended.

- Ans
- 1. Otto
 - 2. Rankine
 - 3. Brayton
 - 4. Carnot

Question ID : 654978920
Status : Answered
Chosen Option : 2

Q.36 Which of the following factors does NOT affect the buckling load?

- Ans
- 1. Slenderness ratio
 - 2. Modulus of elasticity
 - 3. Area moment of inertia
 - 4. Area of cross-section

Question ID : 654978907
Status : Answered
Chosen Option : 2

Q.37 Cylinder and piston type flow meters are of _____ type.

- Ans
- 1. variable area
 - 2. variable area variable head
 - 3. positive displacement
 - 4. variable head

Question ID : 654978988
Status : Answered
Chosen Option : 4

Q.38 _____ process is NOT involved in Rankine cycle.

- Ans
- 1. Isentropic expansion
 - 2. Constant pressure heat addition
 - 3. Constant volume heat addition
 - 4. Isentropic compression

Question ID : 654978933
Status : Answered
Chosen Option : 2

Q.39 The Pressure-Volume diagram of an ideal reciprocating air compressor consists of _____ isobaric, _____ adiabatic and _____ constant volume processes.

- Ans
- 1. one, two, two
 - 2. one, two, one
 - 3. two, two, zero
 - 4. two, one, one

Question ID : 654978951
Status : Not Answered
Chosen Option : --

Q.40 _____ involves breaking of fuel into fine particles.

- Ans
- 1. Fine atomisation of fuel
 - 2. Mixing of fuel and air
 - 3. Excess supply of air
 - 4. Air supply at increased pressure

Question ID : 654978923
Status : Answered
Chosen Option : 1

Q.41 Mitre gears are generally used for _____.

- Ans
- 1. change in direction without effecting speed
 - 2. minimum backlash
 - 3. minimum axial thrust
 - 4. speed reduction

Question ID : 654978904
Status : Answered
Chosen Option : 1

Q.42 Refrigerant exits as a high-pressure liquid from the _____ in a vapour compression system.

- Ans
- 1. condenser
 - 2. compressor
 - 3. evaporator
 - 4. throttle valve

Question ID : 654978959
Status : Answered
Chosen Option : 2

Q.43 _____ measures heat loss from a heated wire to measure pressure.

- Ans
- 1. Barometer
 - 2. Pirani gauge
 - 3. Orifice meter
 - 4. Manometer

Question ID : 654978974
Status : Answered
Chosen Option : 2

Q.44 Stretching tendency of liquid surfaces is known as _____.

- Ans
- 1. Surface tension
 - 2. Cohesion
 - 3. Adhesion
 - 4. Cavitation

Question ID : 654978964
Status : Answered
Chosen Option : 1

Q.45 Which of the following is NOT a type of safety valve used for boilers?

- Ans
- 1. Dead-weight type
 - 2. Sliding type
 - 3. Lever type
 - 4. Spring type

Question ID : 654978944
Status : Not Answered
Chosen Option : --

Q.46 An increase in the efficiency of Rankine cycle can be expected with _____.

- Ans
- 1. decrease in exhaust pressure
 - 2. increase in temperature of heat rejection
 - 3. increase in exhaust pressure
 - 4. decrease in temperature of heat addition

Question ID : 654978934
Status : Not Answered
Chosen Option : --

Q.47 For a given system, if heat is denoted by 'Q' and work is denoted by 'w', the cyclic integral of $(dQ - dw)$ for a closed system will be:

- Ans
- 1. positive
 - 2. unpredictable
 - 3. negative
 - 4. zero

Question ID : 654978916
Status : Answered
Chosen Option : 4

Q.48 Which of the following processes reduces the residual stresses within a steel structure?

- Ans
- 1. Cold forming
 - 2. Heat treatment
 - 3. Welding
 - 4. Hot forming

Question ID : 654978997
Status : Answered
Chosen Option : 2

Q.49 Identify the positive displacement type of flow meter from the following.

- Ans
- 1. Constant area variable head
 - 2. Variable area variable head
 - 3. Constant head variable area
 - 4. Oval gear type

Question ID : 654978987
Status : Answered
Chosen Option : 1

Q.50 Which of the following theories is best applied to brittle materials?

- Ans
- 1. Maximum strain energy theory
 - 2. Maximum principle stress theory
 - 3. Maximum shear stress theory
 - 4. Minimum principle strain theory

Question ID : 654978909
Status : Answered
Chosen Option : 2

Q.51 The degree of reaction of a turbine is defined as the ratio of _____ drop to total energy transfer.

- Ans
- 1. static pressure
 - 2. velocity energy
 - 3. dynamic energy
 - 4. kinetic energy

Question ID : 654978991
Status : Answered
Chosen Option : 4

Q.52 Which of the following is NOT applicable to fire-tube locomotive boilers?

- Ans
- 1. They are placed horizontally
 - 2. They are externally fired
 - 3. They are mobile in nature
 - 4. They are multi-tubular

Question ID : 654978940
Status : Answered
Chosen Option : 3

Q.53 In a vapour compression cycle, the refrigerant exists in a superheated vapour state _____.

- Ans
- 1. after leaving the evaporator
 - 2. at the exit of the compressor
 - 3. after passing through the condenser
 - 4. after leaving the expansion valve

Question ID : 654978953
Status : Answered
Chosen Option : 3

Q.54 Single-stage piston compressors are used to compress air up to pressure of approximately _____ bar.

- Ans
- 1. 100
 - 2. 50
 - 3. 150
 - 4. 5

Question ID : 654978947
Status : Not Answered
Chosen Option : --

Q.55 Intake air filters are provided in compressors primarily to _____ from the suction air.

- Ans
- 1. remove only dirt
 - 2. remove dirt as well as reduce the pressure
 - 3. remove dirt and moisture
 - 4. remove dirt and regulate the temperature

Question ID : 654978949
Status : Answered
Chosen Option : 1

Q.56 Shear stress for a fluid at rest is _____.

- Ans
- 1. positive
 - 2. negative
 - 3. unpredictable
 - 4. zero

Question ID : 654978978
Status : Answered
Chosen Option : 4

Q.57 In a laminar flow, _____ can be applied.

- Ans
- 1. Snell's law
 - 2. Fresnel law
 - 3. Grashof's law
 - 4. Newton's law of viscosity

Question ID : 654978977
Status : Answered
Chosen Option : 4

Q.58 Over a flat plate, thickness of turbulent boundary layer at a distance x from leading edge is _____.

- Ans
- 1. $X^{4/5}$
 - 2. $X^{5/4}$
 - 3. $X^{2/5}$
 - 4. $X^{3/4}$

Question ID : 654978979
Status : Not Answered
Chosen Option : --

Q.59 For an orifice meter, an orifice of diameter d is fitted in a pipe of diameter D . The coefficient of discharge is a function of _____.

- Ans
- 1. d/D and Reynolds' number
 - 2. d/D and Grashof number
 - 3. Reynolds' number
 - 4. Grashof number

Question ID : 654978985
Status : Not Answered
Chosen Option : --

Q.60 _____ thermodynamic property remains constant in a throttling process.

- Ans
- 1. Entropy
 - 2. Enthalpy
 - 3. Energy
 - 4. Specific energy

Question ID : 654978915
Status : Answered
Chosen Option : 2

Q.61 _____ fluid is incompressible.

- Ans
- 1. Newtonian
 - 2. Non-Newtonian
 - 3. Real
 - 4. Ideal

Question ID : 654978982
Status : Answered
Chosen Option : 3

Q.62 _____ occurs when vapour pressure is less than pressure above a liquid surface at a given temperature.

- Ans
- 1. Freezing
 - 2. Condensation
 - 3. Gauging
 - 4. Boiling

Question ID : 654978970
Status : Answered
Chosen Option : 4

Q.63 For an isolated system, which of the following holds true?

- Ans
- 1. Only mass crosses the boundary.
 - 2. Mass or energy does not cross the boundaries.
 - 3. Only energy crosses the boundary.
 - 4. Mass and energy both cross the boundaries.

Question ID : 654978913
Status : Answered
Chosen Option : 2

Q.64 Due to the turbidity of the water in boiler feed water, _____ is caused.

- Ans
- 1. cracking
 - 2. sludge
 - 3. embrittlement
 - 4. corrosion

Question ID : 654978937
Status : Not Answered
Chosen Option : --

Q.65 What is the use of a Hermetic sealed compressor?

- Ans
- 1.

It is used in domestic refrigerators to prevent leakages of refrigerant.

- 2.

It is used to supply air at constant low volume in high pressure applications such as in industrial operations.

- 3.

It is used to supply air at low pressure in high volume applications such as air curtains.

- 4. It is used in aircraft engines to supply air to the cabin.

Question ID : 654978956
Status : Answered
Chosen Option : 1

Q.66 The value of viscosity of an ideal fluid is _____.

- Ans
- 1. 0
 - 2. >2
 - 3. 1
 - 4. >1

Question ID : 654978980
Status : Answered
Chosen Option : 1

Q.67 The vapour compression refrigeration cycle operates on reversed _____ cycle.

- Ans
- 1. Rankine
 - 2. Atkinson
 - 3. Ericsson
 - 4. Joule's

Question ID : 654978952
Status : Answered
Chosen Option : 1

Q.68 Density of an ideal fluid is always _____.

- Ans
- 1. zero
 - 2. increasing
 - 3. decreasing
 - 4. constant

Question ID : 654978981
Status : Answered
Chosen Option : 4

Q.69 The upward force on a body immersed in water, because of the fluid surrounding it, is known as _____.

- Ans
- 1. Archimedes' Force
 - 2. Gravitation Force
 - 3. Force of Viscosity
 - 4. Buoyancy Force

Question ID : 654978975
Status : Answered
Chosen Option : 4

Q.70 Lancashire boiler can also be classified as a _____ pass boiler.

- Ans
- 1. one
 - 2. three
 - 3. two
 - 4. four

Question ID : 654978939
Status : Answered
Chosen Option : 3

Q.71 Thermostat comes into operation at temperatures of about _____ in automobile water cooling systems.

- Ans
- 1. 20 °C
 - 2. 80 °C
 - 3. 60 °C
 - 4. 40 °C

Question ID : 654978930
Status : Answered
Chosen Option : 4

Q.72 While running through a bend a bicycle remains stable due to _____.

- Ans
- 1. reaction action
 - 2. centrifugal action
 - 3. curvature action
 - 4. gyroscopic action

Question ID : 654978903
Status : Answered
Chosen Option : 4

Q.73 Specific energy is _____ at critical depth for a given discharge in a channel.

- Ans
- 1. zero
 - 2. minimum
 - 3. unpredictable
 - 4. maximum

Question ID : 654978976
Status : Answered
Chosen Option : 4

Q.74 U type of configuration is possible in _____ for pressure measurement.

- Ans
- 1. Bourdon tube
 - 2. Pirani gauge
 - 3. Manometer
 - 4. Orifice meter

Question ID : 654978972
Status : Answered
Chosen Option : 3

Q.75 The approximate percentage of carbon in bituminous coal used as a fuel for boiler is _____.

- Ans
- 1. 20 - 30%
 - 2. 65 - 80%
 - 3. 40 - 50%
 - 4. 10 - 20%

Question ID : 654978936
Status : Not Answered
Chosen Option : --

Q.76 Which of the following forces does NOT act on fluid which is at rest?

- Ans
- 1. Viscous
 - 2. Gravity
 - 3. Surface tension
 - 4. Hydrostatic

Question ID : 654978966
Status : Answered
Chosen Option : 4

Q.77 For a simply supported beam, the bending moment at the support is _____ kNm.

- Ans
- 1. >1
 - 2. <1
 - 3. 1
 - 4. 0

Question ID : 654978905
Status : Answered
Chosen Option : 2

Q.78 The increase in entropy of a system represents _____ of energy.

- Ans
- 1. preservation
 - 2. generation
 - 3. degradation
 - 4. upgradation

Question ID : 654978919
Status : Answered
Chosen Option : 3

Q.79 While classifying the boilers into fire-tube and water-tube, mark out the odd one out of the options given below.

- Ans
- 1. Stirling boiler
 - 2. Locomotive boiler
 - 3. Lancashire boiler
 - 4. Cochran boiler

Question ID : 654978938
Status : Answered
Chosen Option : 4

Q.80 When fluid is flowing through a duct, the local velocity at a point can be measured by a _____.

- Ans
- 1. flow nozzle
 - 2. current meter
 - 3. vane anemometer
 - 4. pitot-static tube

Question ID : 654978983
Status : Answered
Chosen Option : 4

Q.81 _____ gives an idea about the pressure in a static fluid.

- Ans
- 1. Pascal's law
 - 2. Weber's law
 - 3. Newton's law
 - 4. Grashof's law

Question ID : 654978969
Status : Answered
Chosen Option : 1

Q.82 The phase where any substance loses the distinction between liquid and vapour is called _____.

- Ans
- 1. Crystal point
 - 2. Ignition point
 - 3. Critical point
 - 4. Dew point

Question ID : 654978911
Status : Answered
Chosen Option : 3

Q.83 _____ CANNOT be counted as a boiler mounting.

- Ans
- 1. Blow-off cock
 - 2. Fusible plug
 - 3. Stop valve
 - 4. Feed water pump

Question ID : 654978945
Status : Answered
Chosen Option : 4

Q.84 Which type of pump is commonly used nowadays to force water into the boiler?

- Ans
- 1. Centrifugal pump
 - 2. Rotary pump
 - 3. Single-stage reciprocating pump
 - 4. Duplex pump

Question ID : 654978946
Status : Not Answered
Chosen Option : --

Q.85 _____ is the presentation of the anti-knock value of diesel fuel.

- Ans
- 1. Fuel number
 - 2. Diesel constant
 - 3. Cetane number
 - 4. Octane number

Question ID : 654978928
Status : Answered
Chosen Option : 3

Q.86 Milk, blood and clay are examples of _____ fluid.

- Ans
- 1. Pseudo-plastic
 - 2. Perfect
 - 3. Ideal
 - 4. Newtonian

Question ID : 654978967
Status : Answered
Chosen Option : 1

Q.87 _____ boiler is capable of generating a small quantity of steam per unit time at high pressure.

- Ans
- 1. Lancashire
 - 2. Babcock–Wilcox
 - 3. Locomotive
 - 4. Scottish marine

Question ID : 654978942
Status : Not Answered
Chosen Option : --

Q.88 The triple point of water is at _____ mm of Hg.

- Ans
- 1. 2.58
 - 2. 4.58
 - 3. 3.28
 - 4. 3.35

Question ID : 654978912
Status : Not Answered
Chosen Option : --

Q.89 _____ is closely related to working of hydraulic turbines.

- Ans
- 1. Faraday's law
 - 2. Charles' law
 - 3. Newton's second law
 - 4. Bragg's law

Question ID : 654978989
Status : Answered
Chosen Option : 3

Q.90 Oil spreads on the surface of water because _____.

- Ans
- 1. oil has low vapour pressure
 - 2. oil is heavier than water
 - 3. of surface tension effect
 - 4. oil is lighter than water

Question ID : 654978965
Status : Answered
Chosen Option : 4

Q.91 Expansion of steam in Rankine cycle is assumed to be _____.

- Ans
- 1. isothermal
 - 2. isentropic
 - 3. hyperbolic
 - 4. polytropic

Question ID : 654978932
Status : Not Answered
Chosen Option : --

Q.92 If suction, compression and delivery of the air takes place on one side of the piston only then the compressor is known as:

- Ans
- 1. single stage
 - 2. multistage
 - 3. double acting
 - 4. single acting

Question ID : 654978948
Status : Not Answered
Chosen Option : --

Q.93 The steam expansion process in a nozzle can be approximated as a/an _____ process.

- Ans
- 1. adiabatic
 - 2. throttling
 - 3. polytropic
 - 4. free expansion

Question ID : 654978961
Status : Not Answered
Chosen Option : --

Q.94 _____ Irreversibility is due to the friction in the system.

- Ans
- 1. Chemical
 - 2. Frictional
 - 3. Internal
 - 4. Rotary

Question ID : 654978918
Status : Answered
Chosen Option : 3

Q.95 For an unsteady operation and _____ hydraulic transmission through fluid coupling is suitable.

- Ans
- 1. low starting torque
 - 2. high starting speed
 - 3. increasing torque
 - 4. increasing speed

Question ID : 654978992
Status : Not Answered
Chosen Option : --

Q.96 Hardness is induced within the gear teeth to avoid _____.

- Ans
- 1. abrasion
 - 2. wear
 - 3. pitting
 - 4. meshing

Question ID : 654978902
Status : Answered
Chosen Option : 2

Q.97 _____ property is stated by first law of thermodynamics.

- Ans
- 1. Internal energy
 - 2. Entropy
 - 3. Temperature
 - 4. Pressure

Question ID : 654978914
Status : Answered
Chosen Option : 1

Q.98 Liquid enters the centrifugal pump _____.

- Ans
- 1. from the centre
 - 2. from the bottom
 - 3. radially
 - 4. from the top

Question ID : 654978994
Status : Answered
Chosen Option : 3

Q.99 A two-stroke cycle engine _____ as compared to a four-stroke cycle engine of the same size.

- Ans
- 1. has greater volumetric efficiency
 - 2. has less wear and tear of moving parts
 - 3. produces more power
 - 4. has greater thermal efficiency

Question ID : 654978924
Status : Answered
Chosen Option : 4

Q.100 The refrigerant reaches its highest temperature when the vapour leaves the _____ in a refrigeration system based on vapour compression.

- Ans
- 1. throttle valve
 - 2. evaporator
 - 3. compressor
 - 4. condenser

Question ID : 654978958
Status : Answered
Chosen Option : 3

