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# **SSB SI (Pioneer)**

**Previous Year Paper**  
**22 Jan, 2024**



भारत सरकार  
गृह मंत्रालय  
महानिदेशक कार्यालय, सशस्त्र सीमा बल  
ईस्ट ब्लॉक -5, आर.के.पुरम -1, नई दिल्ली -66  
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Participant ID	
Participant Name	
Test Center Name	
Test Date	22/01/2024
Test Time	2:00 PM - 5:00 PM
Subject	SI (Pioneer)



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Section : General Knowledge

Q.1 The Indian Agricultural Research Institute developed a bio-enzyme called PUSA, which, when sprayed, decomposes \_\_\_\_\_ within 20-25 days, transforming it into nutrient-rich manure.

Ans ☒ 1. Stubble

☒ 2. Agricultural pests

☒ 3. Chemical fertilizers

☒ 4. Plastic waste

Question ID : 630680563726

Option 1 ID : 6306802203828

Option 2 ID : 6306802203827

Option 3 ID : 6306802203826

Option 4 ID : 6306802203825

Status : Answered Chosen

Option : 4

Q.2 The Indian government plans to establish \_\_\_\_\_ to promote domestic production of imported crops that are high in demand.

Ans ☒ 1. Atmanirbhar Clean Plant Centres

☒ 2. Fertilizer Distribution Centers

☒ 3. Agricultural Export Zones

☒ 4. National Seed Banks

Question ID : 630680563687

Option 1 ID : 6306802203669

Option 2 ID : 6306802203672

Option 3 ID : 6306802203671

Option 4 ID : 6306802203670

Status : Answered Chosen

Option : 4

Q.3 In international trade, what does the term "Dumping" refer to?

Ans ☒ 1. Government subsidies to domestic industries

☒ 2. Selling goods in a foreign market at a price lower than the cost of production

☒ 3. Restrictions on the import of certain goods

☒ 4. A sudden increase in the value of a country's currency

Question ID : 630680563713

Option 1 ID : 6306802203775

Option 2 ID : 6306802203773

Option 3 ID : 6306802203776

Option 4 ID : 6306802203774

Status : Answered Chosen

Option : 2



Q.4 Which Sikh festival marks the installation of the Guru Granth Sahib as the eternal Guru of Sikhs?

- Ans
- ☒ 1. Maghi
  - ☐ 2. Guru Gaddi Day
  - ☒ 3. Baisakhi
  - ☒ 4. Hola Mohalla

Question ID : 630680563708  
Option 1 ID : 6306802203755  
Option 2 ID : 6306802203756  
Option 3 ID : 6306802203753  
Option 4 ID : 6306802203754  
Status : Answered Chosen  
Option : 2

Q.5 Who is the current President of the Board of Control for Cricket in India (BCCI) as of 2023?

- Ans
- ☒ 1. Roger Binn
  - ☒ 2. Sourav Ganguly
  - ☒ 3. Rajeev Shukla
  - ☒ 4. Anurag Thakur

Question ID : 630680563722  
Option 1 ID : 6306802203812  
Option 2 ID : 6306802203809  
Option 3 ID : 6306802203810  
Option 4 ID : 6306802203811  
Status : Answered Chosen  
Option : 1



Q.6 Identify the river that originates in Tibet, flows through Ladakh, and enters Pakistan, forming a spectacular gorge.

- Ans
- ☒ 1. Chenab
  - ☒ 2. Brahmaputra
  - ☒ 3. Indus
  - ☒ 4. Jhelum

Question ID : 630680563709  
Option 1 ID : 6306802203758  
Option 2 ID : 6306802203757  
Option 3 ID : 6306802203760  
Option 4 ID : 6306802203759  
Status : Answered Chosen  
Option : 3

Q.7 Marathi, spoken widely in Maharashtra, belongs to which language family?

- Ans
- ☒ 1. Austroasiatic
  - ☒ 2. Sino-Tibetan
  - ☒ 3. Indo-Aryan
  - ☒ 4. Dravidian

Question ID : 630680563705  
Option 1 ID : 6306802203744  
Option 2 ID : 6306802203743  
Option 3 ID : 6306802203741  
Option 4 ID : 6306802203742  
Status : Answered Chosen  
Option : 3

Q.8 Which of the following is considered "legal tender" in India?

- Ans
- ☒ 1. Gold
  - ☒ 2. Indian Rupee
  - ☒ 3. US Dollar
  - ☒ 4. Bitcoin

Question ID : 630680563727  
Option 1 ID : 6306802203830  
Option 2 ID : 6306802203831  
Option 3 ID : 6306802203832  
Option 4 ID : 6306802203829  
Status : Answered Chosen  
Option : 2

Q.9 Which organization was founded by Jawaharlal Nehru and Subhas Chandra Bose and played a crucial role in the fight against British colonialism?

- Ans
- ☒ 1. Indian National Congress
  - ☒ 2. Rashtriya Swayamsevak Sangh
  - ☒ 3. Azad Hind Fauj
  - ☒ 4. All India Muslim League

Question ID : 630680563698  
Option 1 ID : 6306802203713  
Option 2 ID : 6306802203716  
Option 3 ID : 6306802203715  
Option 4 ID : 6306802203714  
Status : Answered Chosen  
Option : 3

Q.10 The Finance Commission in India is appointed by: Ans

- ☒ 1. Prime Minister of India
- ☒ 2. Parliament of India
- ☒ 3. Chief Justice of India
- ☒ 4. President of India

Question ID : 630680563735  
Option 1 ID : 6306802203862  
Option 2 ID : 6306802203864  
Option 3 ID : 6306802203863  
Option 4 ID : 6306802203861  
Status : Answered Chosen  
Option : 1

Q.11 What is the process of acquiring Indian citizenship by registration?

- Ans
- ☒ 1. By birth
  - ☒ 2. By naturalization
  - ☒ 3. By descent
  - ☒ 4. By incorporation of territory

Question ID : 630680563717  
Option 1 ID : 6306802203789  
Option 2 ID : 6306802203791  
Option 3 ID : 6306802203790  
Option 4 ID : 6306802203792  
Status : Answered Chosen  
Option : 4

Q.12 In December 2023, more than Rs. 300 crore was recovered from the which Congress leader?

- Ans
- ☐ 1. Sonia Gandhi
  - ☐ 2. Rahul Gandhi
  - ☒ 3. Dhiraj Sahu
  - ☐ 4. Sharad Pawar

Question ID : 630680563688  
Option 1 ID : 6306802203673  
Option 2 ID : 6306802203675  
Option 3 ID : 6306802203676  
Option 4 ID : 6306802203674

Status : Answered  
Chosen Option : 3

Q.13 During the Cold War, the division of Germany into East and West Germany symbolized the ideological divide between the two power blocs. Which city became the epicenter of this division, marked by the construction of the Berlin Wall?

- Ans
- ☒ 1. Berlin
  - ☐ 2. Frankfurt
  - ☐ 3. Hamburg
  - ☐ 4. Munich

Question ID : 630680563729  
Option 1 ID : 6306802203839  
Option 2 ID : 6306802203838  
Option 3 ID : 6306802203840  
Option 4 ID : 6306802203837

Status : Answered  
Chosen Option : 1

Section : Mathematics

Q.1 If  $a : b = 1 : 4$  and  $b : c = 1 : 4$ , then find the value of  $a : c$ .

- Ans
- ☐ 1. 16: 1
  - ☒ 2. 1: 16
  - ☐ 3. 4: 1
  - ☐ 4. 1: 4

Question ID : 630680563882  
Option 1 ID : 6306802204450  
Option 2 ID : 6306802204449  
Option 3 ID : 6306802204452  
Option 4 ID : 6306802204451

Status : Answered  
Chosen Option : 2





Q.2  
Ans

What least number must be subtracted from 3000 to get a number exactly divisible by 17?

- ✓ 1. 8  
✗ 2. 10  
✗ 3. 11  
✗ 4. 7

Question ID : 630680563857  
Option 1 ID : 6306802204349  
Option 2 ID : 6306802204352  
Option 3 ID : 6306802204351  
Option 4 ID : 6306802204350  
Status : Answered Chosen  
Option : 3

Q.3  
Ans

A team consists of two groups, A and B, with 58 and 42 members, respectively. Determine the team's average weight if group A's average weight is 35 kg and group B's average weight is 40 kg.

- ✗ 1. 35.2 kg  
✗ 2. 35.6 kg  
✓ 3. 37.1 kg  
✗ 4. 38.2 kg

Question ID : 630680563844  
Option 1 ID : 6306802204298  
Option 2 ID : 6306802204297  
Option 3 ID : 6306802204299  
Option 4 ID : 6306802204300  
Status : Answered Chosen  
Option : 3

Q.4  
Ans

A sum of money amounts to ₹ 6975 in 5 years at 11% simple interest per annum. Find the sum.

- ✓ ₹ 4500 1.  
✗ ₹ 4000 2.  
✗ ₹ 3500 3.  
✗ ₹ 3600 4.

Question ID : 630680563849  
Option 1 ID : 6306802204318  
Option 2 ID : 6306802204317  
Option 3 ID : 6306802204320  
Option 4 ID : 6306802204319  
Status : Answered Chosen  
Option : 2

Q.5  
Ans

P can do a piece of work in 12 days while Q can do the same piece of work in 30 days. If they work together for 5 days, how much fraction of work is left?

✓ 1.  $\frac{5}{12}$

✗ 2.  $\frac{2}{3}$

✗ 3.  $\frac{1}{2}$

✗ 4.  $\frac{7}{12}$

Question ID : 630680563885  
Option 1 ID : 6306802204462  
Option 2 ID : 6306802204464  
Option 3 ID : 6306802204461  
Option 4 ID : 6306802204463  
Status : Answered Chosen  
Option : 1

Q.6  
Ans

A shopkeeper bought 36 sweaters, each at a price of ₹ 1400. He sold each of them for ₹ 1460. Find his percentage profit.

✗ 2.55% 1.

✗ 3.22% 2.

✗ 6.55% 3.

✓ 4.28% 4.

Question ID : 630680563874  
Option 1 ID : 6306802204418  
Option 2 ID : 6306802204417  
Option 3 ID : 6306802204419  
Option 4 ID : 6306802204420  
Status : Answered Chosen  
Option : 4

Q.7  
Ans

Find the value of  $[177 - 153 \div 3 - 111] + (55 - 43) \div 4$ .

✗ 13 1.

✗ 15 2.

✗ 19 3.

✓ 18 4.

Question ID : 630680563864  
Option 1 ID : 6306802204379  
Option 2 ID : 6306802204378  
Option 3 ID : 6306802204380  
Option 4 ID : 6306802204377  
Status : Answered Chosen  
Option : 4

The difference between the compound interest and the simple interest for an amount of ₹ 7800 over a period of 2 years is ₹ 312. What is the rate of interest?

Q.8

- Ans
- ☐ 15% <sup>1.</sup>
  - ☒ 20% <sup>2.</sup>
  - ☐ 18% <sup>3.</sup>
  - ☐ 25% <sup>4.</sup>

Question ID : 630680563853

Option 1 ID : 6306802204334

Option 2 ID : 6306802204333

Option 3 ID : 6306802204335

Option 4 ID : 6306802204336

Status : Answered Chosen

Option : 4

A bus covered a certain distance from village A to village B at the speed of 85 km/hr. However, on its return journey, it got stuck in traffic and covered the same distance at the speed of 68 km/hr and took 2 hours more to reach its destination. What is the distance covered between villages A and B?

Q.9

- Ans
- ☒ 680 km <sup>1.</sup>
  - ☐ 720 km <sup>2.</sup>
  - ☐ 650 km <sup>3.</sup>
  - ☐ 700 km <sup>4.</sup>

Question ID : 630680563889

Option 1 ID : 6306802204477

Option 2 ID : 6306802204480

Option 3 ID : 6306802204479

Option 4 ID : 6306802204478

Status : Answered Chosen

Option : 1

In an election, a candidate secures 36% of the votes but is defeated by the only other candidate by a majority of 4200 votes. Find the total number of votes recorded.

Q.10

- Ans
- ☐ 16,000 <sup>1.</sup>
  - ☐ 10,000 <sup>2.</sup>
  - ☐ 14,000 <sup>3.</sup>
  - ☒ 15,000 <sup>4.</sup>

Question ID : 630680563868

Option 1 ID : 6306802204393

Option 2 ID : 6306802204396

Option 3 ID : 6306802204394

Option 4 ID : 6306802204395

Status : Answered Chosen

Option : 4



Q.11 Which of the following numbers is NOT divisible by 18?

- Ans
- ☒ 46,188 <sup>1.</sup>
  - ☒ 46,377 <sup>2.</sup>
  - ☒ 67,608 <sup>3.</sup>
  - ☒ 13,662 <sup>4.</sup>

Question ID : 630680563858  
Option 1 ID : 6306802204354  
Option 2 ID : 6306802204355  
Option 3 ID : 6306802204353  
Option 4 ID : 6306802204356  
Status : Answered Chosen  
Option : 2

Q.12 After allowing a discount of 29% on the marked price of an article, it is sold for ₹ 1065. Find its marked price.

- Ans
- ☒ ₹ 1100 <sup>1.</sup>
  - ☒ ₹ 1600 <sup>2.</sup>
  - ☒ ₹ 1500 <sup>3.</sup>
  - ☒ ₹ 1400 <sup>4.</sup>

Question ID : 630680563876  
Option 1 ID : 6306802204426  
Option 2 ID : 6306802204425  
Option 3 ID : 6306802204427  
Option 4 ID : 6306802204428  
Status : Answered Chosen  
Option : 3

Q.13 If the radius is  $\frac{9}{5}$  cm and the height is 25 cm. Find the volume of the cone.

- Ans
- ☒ 72.87 cm<sup>3</sup> <sup>1.</sup>
  - ☒ 84.85 cm<sup>3</sup> <sup>2.</sup>
  - ☒ 62.21 cm<sup>3</sup> <sup>3.</sup>
  - ☒ 44.64 cm<sup>3</sup> <sup>4.</sup>

Question ID : 630680563893  
Option 1 ID : 6306802204496  
Option 2 ID : 6306802204493  
Option 3 ID : 6306802204495  
Option 4 ID : 6306802204494  
Status : Answered Chosen  
Option : 2

Section : Reasoning

Q.1

Ans Which of the following numbers will replace the question mark (?) in the given series?

23, 69, 207, 621, ?

☐ 1880 <sup>1.</sup>

☒ 1863 <sup>2.</sup>

☐ 1881 <sup>3.</sup>

☐ 1866 <sup>4.</sup>

Question ID : 630680563786

Option 1 ID : 6306802204067

Option 2 ID : 6306802204065

Option 3 ID : 6306802204066

Option 4 ID : 6306802204068

Status : Answered Chosen

Option : 2

Q.2

Ans A + B' means 'A is the sister of B'

'A % B' means 'A is the father of B'

'A ÷ B' means 'A is the son of B'

'A - B' means 'A is the mother of B'

How is T related to S in the expression 'T - R % S ÷ U'?

☒ Father's mother <sup>1.</sup>

☐ Mother <sup>2.</sup>

☐ Father's father <sup>3.</sup>

☐ Father's sister <sup>4.</sup>

Question ID : 630680563742

Option 1 ID : 6306802203890

Option 2 ID : 6306802203891

Option 3 ID : 6306802203889

Option 4 ID : 6306802203892

Status : Answered Chosen

Option : 1



Q.3  
Ans

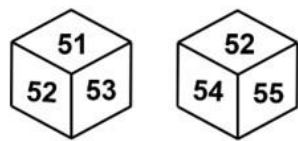
If one is added to each vowel and one is subtracted from each consonant of the word then how many words will start from the vowel?  
LKYG BHRT ADRG VGRT

- ✓ 1. 2
- ✗ 2. 3
- ✗ 3. 0
- ✗ 4. 1

Question ID : 630680563776  
Option 1 ID : 6306802204025  
Option 2 ID : 6306802204027  
Option 3 ID : 6306802204028  
Option 4 ID : 6306802204026  
Status : Answered Chosen  
Option : 1

Q.4  
Ans

Two different positions of the same dice are given below. Find the number opposite of 54.



- ✗ 52 1.
- ✗ 55 2.
- ✗ 51 3.
- ✓ 4. 53

Question ID : 630680563780  
Option 1 ID : 6306802204044  
Option 2 ID : 6306802204041  
Option 3 ID : 6306802204042  
Option 4 ID : 6306802204043  
Status : Answered Chosen  
Option : 3

Q.5

Ans

If the first and third digits of each of the numbers are interchanged, how many numbers become the perfect cube?

512, 126, 343, 217, 728

☒ 1. 3

☒ 2. 2

☒ 3. 1

☒ 4. 4

Question ID : 630680563787

Option 1 ID : 6306802204071

Option 2 ID : 6306802204072

Option 3 ID : 6306802204069

Option 4 ID : 6306802204070

Status : Answered Chosen

Option : 3

Q.6

Ans

Select the wrong term in the given series.

7V9, 11U11, 15T13, 19S14, 23R17

☒ 15T13 1.

☒ 11U11 2.

☒ 19S14 3.

☒ 7V9 4.

Question ID : 630680563774

Option 1 ID : 6306802204019

Option 2 ID : 6306802204018

Option 3 ID : 6306802204017

Option 4 ID : 6306802204020

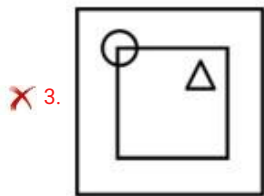
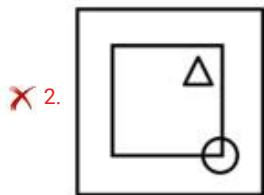
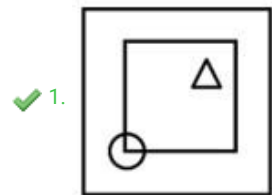
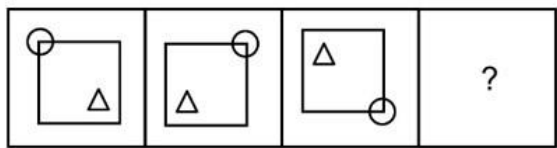
Status : Answered Chosen

Option : 3



Q.7  
Ans

Select the figure that will replace the question mark (?) in the following figure series.

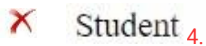


Question ID : 630680563752  
Option 1 ID : 6306802203929  
Option 2 ID : 6306802203930  
Option 3 ID : 6306802203932  
Option 4 ID : 6306802203931  
Status : Answered Chosen  
Option : 1

Q.8  
Ans

Select the option related to the third word in the same way as the second word is related to the first word.

Book : Author :: Education : ?



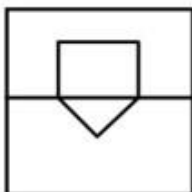
Question ID : 630680563769  
Option 1 ID : 6306802203997  
Option 2 ID : 6306802204000  
Option 3 ID : 6306802203998  
Option 4 ID : 6306802203999  
Status : Answered Chosen  
Option : 1



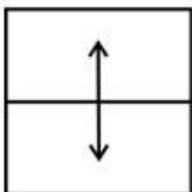


Q.9   
Ans

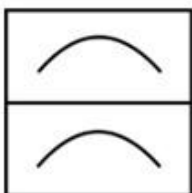
✗ 1.



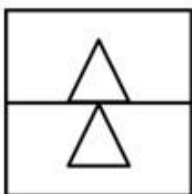
✓ 2.



✗ 3.



✗ 4.

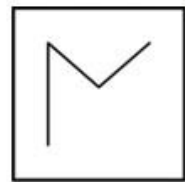


Question ID : 630680563759  
Option 1 ID : 6306802203960  
Option 2 ID : 6306802203958  
Option 3 ID : 6306802203957  
Option 4 ID : 6306802203959  
Status : Answered  
Chosen Option : 2

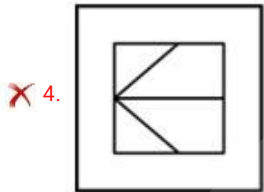
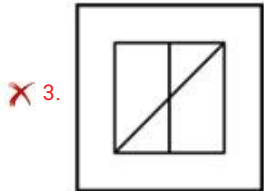
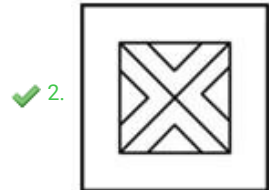
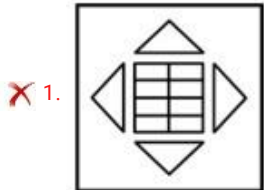


Q.10

Select the alternative figure which contains the given figure as its part.







Ans



Question ID : 630680563779  
Option 1 ID : 6306802204037  
Option 2 ID : 6306802204038  
Option 3 ID : 6306802204039  
Option 4 ID : 6306802204040  
Status : Answered Chosen  
Option : 2

**Q.11** Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

- Ans  HJL <sup>1.</sup>
-  NPS <sup>2.</sup>
-  UWY <sup>3.</sup>
-  CEG <sup>4.</sup>

Question ID : **630680563747**

Option 1 ID : **6306802203910**

Option 2 ID : **6306802203911**

Option 3 ID : **6306802203912**

Option 4 ID : **6306802203909**

Status : **Answered** Chosen

Option : **2**



Q.12 In a certain code language, if HOME is coded as NFIP, TREE is coded as FFUS, then what will FISH be coded as?

- Ans
- ☒ 1. TJGJ
  - ☒ 2. TGIJ
  - ☒ 3. TIJG
  - ☒ 4. TIGJ

Question ID : 630680563766  
Option 1 ID : 6306802203987  
Option 2 ID : 6306802203988  
Option 3 ID : 6306802203985  
Option 4 ID : 6306802203986  
Status : Answered  
Chosen Option : 4

Section : General English

Comprehension:

Based on the cloze passage given below, answer the following questions.

Language is a (1) \_\_\_\_\_ tool for communication, allowing individuals to express thoughts, feelings, and ideas. It involves both verbal and non-verbal elements, such as body language and facial expressions. The process of acquiring language starts in early childhood and (2) \_\_\_\_\_ throughout life, with individuals constantly adapting and expanding their linguistic abilities.

The brain plays a significant role in language processing. Areas such as Broca's area and Wernicke's area are responsible for different aspects of language production and comprehension. Language development is influenced by various factors, including (3) \_\_\_\_\_ exposure, cognitive abilities, and social interactions.

SubQuestion No : 1

Q.1 Fill in the blank (3) with the appropriate option given below:

- Ans
- ☒ 1. visual
  - ☒ 2. language
  - ☒ 3. musical
  - ☒ 4. critics

Question ID : 630680563641  
Option 1 ID : 6306802203509  
Option 2 ID : 6306802203512  
Option 3 ID : 6306802203510  
Option 4 ID : 6306802203511  
Status : Answered  
Chosen Option : 1

**Comprehension:**





Based on the cloze passage given below, answer the following questions.

Language is a (1) \_\_\_\_\_ tool for communication, allowing individuals to express thoughts, feelings, and ideas. It involves both verbal and non-verbal elements, such as body language and facial expressions. The process of acquiring language starts in early childhood and (2) \_\_\_\_\_ throughout life, with individuals constantly adapting and expanding their linguistic abilities.

The brain plays a significant role in language processing. Areas such as Broca's area and Wernicke's area are responsible for different aspects of language production and comprehension. Language development is influenced by various factors, including (3) \_\_\_\_\_ exposure, cognitive abilities, and social interactions.

**SubQuestion No : 2**

**Q.2 Fill in the blank (1) with the appropriate option given below:**

- Ans  1. domitable  
 2. essential  
 3. callous  
 4. incredulous

Question ID : 630680563639  
Option 1 ID : 6306802203504  
Option 2 ID : 6306802203502  
Option 3 ID : 6306802203501  
Option 4 ID : 6306802203503  
Status : Answered Chosen  
Option : 2

**Comprehension:**





Based on the cloze passage given below, answer the following questions.

Language is a (1) \_\_\_\_\_ tool for communication, allowing individuals to express thoughts, feelings, and ideas. It involves both verbal and non-verbal elements, such as body language and facial expressions. The process of acquiring language starts in early childhood and (2) \_\_\_\_\_ throughout life, with individuals constantly adapting and expanding their linguistic abilities.

The brain plays a significant role in language processing. Areas such as Broca's area and Wernicke's area are responsible for different aspects of language production and comprehension. Language development is influenced by various factors, including (3) \_\_\_\_\_ exposure, cognitive abilities, and social interactions.

**SubQuestion No : 3**

**Q.3 Fill in the blank (2) with the appropriate option given below:**

- Ans  1. regresses  
 2. continues  
 3. stagnates  
 4. repeats

Question ID : 630680563640  
Option 1 ID : 6306802203508  
Option 2 ID : 6306802203505  
Option 3 ID : 6306802203506  
Option 4 ID : 6306802203507  
Status : Answered Chosen  
Option : 2



Q.4 Choose the correct spelling from the options given below:

- Ans
- ☒ 1. Cajoal
  - ☒ 2. Cajole
  - ☒ 3. Cajale
  - ☒ 4. Caijole

Question ID : 630680563628  
Option 1 ID : 6306802203468  
Option 2 ID : 6306802203465  
Option 3 ID : 6306802203466  
Option 4 ID : 6306802203467  
Status : Answered Chosen  
Option : 3

Q.5 The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.

She ran quick/ to the store but she/ forgot her wallet at home.

- Ans
- ☒ 1. She ran quick
  - ☒ 2. forgot her wallet at home.
  - ☒ 3. to the store but she
  - ☒ 4. No error

Question ID : 630680563652  
Option 1 ID : 6306802203545  
Option 2 ID : 6306802203547  
Option 3 ID : 6306802203546  
Option 4 ID : 6306802203548  
Status : Answered Chosen  
Option : 1

Q.6 Select the most appropriate meaning of the given idiom.

A mare's nest.

- Ans
- ☒ 1. A false invention
  - ☒ 2. Complete failure
  - ☒ 3. An unreliable person
  - ☒ 4. A weak person

Question ID : 630680563630  
Option 1 ID : 6306802203474  
Option 2 ID : 6306802203476  
Option 3 ID : 6306802203475  
Option 4 ID : 6306802203473  
Status : Answered Chosen  
Option : 4

**Comprehension:**

Read the passage carefully and choose the best answer to each question out of the four alternatives:

Bodybuilding, a discipline dedicated to developing and sculpting the physique through resistance training, has evolved into a popular fitness pursuit. Practitioners of bodybuilding engage in systematic weightlifting and targeted exercises to build muscle mass and enhance overall strength and aesthetics.

Central to bodybuilding is the concept of progressive resistance, where individuals continually challenge their muscles by increasing weights or intensity. Nutrition plays a crucial role, with emphasis on protein intake to support muscle growth and a balanced diet to fuel workouts.

Competitive bodybuilding involves showcasing well-defined muscles and symmetry through posing routines. Bodybuilders are judged on factors such as muscle size, definition, and overall presentation. The pinnacle of competitive bodybuilding is events like the Mr. Olympia competition, where elite athletes compete for the title of the world's top bodybuilder.

Beyond competition, many embrace bodybuilding for its health benefits, including improved metabolism, bone density, and mental well-being. The practice emphasizes dedication, discipline, and a holistic approach to achieving and maintaining physical excellence.

**SubQuestion No : 7**

**Q.7 Which of the following words is a synonym for “seminal” as used in the passage?**

- Ans
- ☒ 1. Reward
  - ☒ 2. Challenge
  - ☒ 3. Peak
  - ☒ 4. Goal

Question ID : 630680563677  
Option 1 ID : 6306802203632  
Option 2 ID : 6306802203631  
Option 3 ID : 6306802203629  
Option 4 ID : 6306802203630  
Status : Answered Chosen  
Option : 2



**Comprehension:**

Read the passage carefully and choose the best answer to each question out of the four alternatives:

Bodybuilding, a discipline dedicated to developing and sculpting the physique through resistance training, has evolved into a popular fitness pursuit. Practitioners of bodybuilding engage in systematic weightlifting and targeted exercises to build muscle mass and enhance overall strength and aesthetics.

Central to bodybuilding is the concept of progressive resistance, where individuals continually challenge their muscles by increasing weights or intensity. Nutrition plays a crucial role, with emphasis on protein intake to support muscle growth and a balanced diet to fuel workouts.

Competitive bodybuilding involves showcasing well-defined muscles and symmetry through posing routines. Bodybuilders are judged on factors such as muscle size, definition, and overall presentation. The pinnacle of competitive bodybuilding is events like the Mr. Olympia competition, where elite athletes compete for the title of the world's top bodybuilder.

Beyond competition, many embrace bodybuilding for its health benefits, including improved metabolism, bone density, and mental well-being. The practice emphasizes dedication, discipline, and a holistic approach to achieving and maintaining physical excellence.

**SubQuestion No : 8**

**Q.8 Which of the following is the most appropriate title for the passage?**

- Ans
- ☒ 1. Bodybuilding: A Comprehensive Guide for Beginners
  - ☒ 2. Bodybuilding: A History and Evolution of a Discipline
  - ☒ 3. Bodybuilding: A Sport for Elite Athletes
  - ☒ 4. Bodybuilding: A Fitness Pursuit for Physical Excellence

Question ID : 630680563675

Option 1 ID : 6306802203623

Option 2 ID : 6306802203622

Option 3 ID : 6306802203624

Option 4 ID : 6306802203621

Status : Answered Chosen

Option : 4





**Comprehension:**

Read the passage carefully and choose the best answer to each question out of the four alternatives:

Bodybuilding, a discipline dedicated to developing and sculpting the physique through resistance training, has evolved into a popular fitness pursuit. Practitioners of bodybuilding engage in systematic weightlifting and targeted exercises to build muscle mass and enhance overall strength and aesthetics.

Central to bodybuilding is the concept of progressive resistance, where individuals continually challenge their muscles by increasing weights or intensity. Nutrition plays a crucial role, with emphasis on protein intake to support muscle growth and a balanced diet to fuel workouts.

Competitive bodybuilding involves showcasing well-defined muscles and symmetry through posing routines. Bodybuilders are judged on factors such as muscle size, definition, and overall presentation. The pinnacle of competitive bodybuilding is events like the Mr. Olympia competition, where elite athletes compete for the title of the world's top bodybuilder.

Beyond competition, many embrace bodybuilding for its health benefits, including improved metabolism, bone density, and mental well-being. The practice emphasizes dedication, discipline, and a holistic approach to achieving and maintaining physical excellence.

**SubQuestion No : 9**

**Q.9** What is the tone of the passage?

- Ans**
- ☒ 1. Critical and analytical
  - ☒ 2. Informative and objective
  - ☒ 3. Persuasive and emotional
  - ☒ 4. Appreciative and admiring

Question ID : 630680563676  
Option 1 ID : 6306802203627  
Option 2 ID : 6306802203625  
Option 3 ID : 6306802203626  
Option 4 ID : 6306802203628  
Status : Answered Chosen  
Option : 2

**Q.10** Select the word that is opposite in meaning (ANTONYM) to the bracketed word given in the sentence below.

He did not want to (antagonize) his boss by disagreeing with him in front of everyone.

- Ans**
- ☒ 1. please
  - ☒ 2. accuse
  - ☒ 3. embarrass
  - ☒ 4. assure

Question ID : 630680563660  
Option 1 ID : 6306802203577  
Option 2 ID : 6306802203578  
Option 3 ID : 6306802203580  
Option 4 ID : 6306802203579  
Status : Answered Chosen  
Option : 1



Q.11 Fill in the blank with the correct article.

The doctor uses \_\_\_\_\_ hand or a tourniquet to temporarily block off the blood flow in the veins.

- Ans
- ☒ 1. an
  - ☒ 2. a
  - ☒ 3. the
  - ☒ 4. some

Question ID : 630680563623  
Option 1 ID : 6306802203446  
Option 2 ID : 6306802203445  
Option 3 ID : 6306802203447  
Option 4 ID : 6306802203448  
Status : Answered  
Chosen Option : 2

Q.12 Choose one word substitution for the below mentioned phrase.

Morbid compulsion to start a fire.

- Ans
- ☒ 1. Satyromania
  - ☒ 2. Nymphomania
  - ☒ 3. Pyromania
  - ☒ 4. Megalomania

Question ID : 630680563654  
Option 1 ID : 6306802203556  
Option 2 ID : 6306802203555  
Option 3 ID : 6306802203553  
Option 4 ID : 6306802203554  
Status : Answered  
Chosen Option : 4

Section : General Hindi

Q.1 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए शब्द के लिए सही द्विगु समास विग्रह का विकल्प हो।

त्रिभुज

- Ans
- ☒ 1. तीन की भुजा
  - ☒ 2. भुजा तीन वाली
  - ☒ 3. तीन भुजाओं से
  - ☒ 4. तीन भुजाओं का समाहार

Question ID : 630680563821  
Option 1 ID : 6306802204206  
Option 2 ID : 6306802204208  
Option 3 ID : 6306802204205  
Option 4 ID : 6306802204207  
Status : Not Answered  
Chosen Option : --



Q.2 न नलखत म, चार वक प म से, उस वक प का चयन कर जो दए गए श द के पयायवाची श द का सही वक प नह है।

ऊधम

- Ans
- ☒ 1. उप व
  - ☒ 2. उ पाद
  - ☒ 3. उंग
  - ☒ 4. लड

Question ID : 630680563803  
Option 1 ID : 6306802204134  
Option 2 ID : 6306802204133  
Option 3 ID : 6306802204136  
Option 4 ID : 6306802204135  
Status : Not Answered Chosen  
Option : --

Q.3

गए मुहावरे का सही अथ वाला

न नलखत म, चार वक प म से, उस वक प का चयन कर जो दए वक प है।  
गढ़ फतह करना।

- Ans
- ☒ 1. जानी मन होना
  - ☒ 2. समय न करना
  - ☒ 3. ब त यारा
  - ☒ 4. कठन काम करना

Question ID : 630680563834  
Option 1 ID : 6306802204258  
Option 2 ID : 6306802204260  
Option 3 ID : 6306802204259  
Option 4 ID : 6306802204257  
Status : Not Answered Chosen  
Option : --

Q.4 न नलखत म, चार वक प म से, उस वक प का चयन कर जो र सबसे अ छा थान के लए सही श द-यु म का वक प है।

ब चे जब घर म नह होते ह तब उनके बना घर \_\_\_\_\_ लगता है।

- Ans
- ☒ 1. खाली-खाली
  - ☒ 2. लंबा-लंबा
  - ☒ 3. अपना-अपना
  - ☒ 4. कोना-कोना

Question ID : 630680563832  
Option 1 ID : 6306802204249  
Option 2 ID : 6306802204250  
Option 3 ID : 6306802204252  
Option 4 ID : 6306802204251  
Status : Not Answered Chosen  
Option : --



Q.5 न नलखत म, चार वक प म से, उस वक प का चयन कर जो दए गए र थान के लए सही उपसग के भेद का वक प हो।

इस समूह के \_\_\_\_\_ छोर पर दो वशाल लाल बलुआ प थर क इमारत ह जो क मकबरे क ओर सामना कए ए ह।

- Ans
- ☒ 1. सुदशन
  - ☒ 2. सुपा
  - ☒ 3. सुर
  - ☒ 4. सुयश

Question ID : 630680563794  
Option 1 ID : 6306802204100  
Option 2 ID : 6306802204099  
Option 3 ID : 6306802204098  
Option 4 ID : 6306802204097  
Status : Not Answered Chosen  
Option : --

Q.6 न नलखत वक म, चार वक प म से, उस वक प का चयन कर जो दए गए पद के सही समास व ह का प हो।

लंबोदर

- Ans
- ☒ 1. लंबे कान वाला
  - ☒ 2. लंबी बात करने वाला
  - ☒ 3. लंबा
  - ☒ 4. लंबा है उदर जसका

Question ID : 630680563823  
Option 1 ID : 6306802204214  
Option 2 ID : 6306802204216  
Option 3 ID : 6306802204215  
Option 4 ID : 6306802204213  
Status : Not Answered Chosen  
Option : --

Q.7 न नलखत म, चार वक प म से, उस वक प का चयन कर जो दए गए र थान के लए सही उपसग के भेद का वक प हो।

यह हम आज ही पता चला क वह एक ब त बड़ी मह वपूण भूमका का \_\_\_\_\_ कर रहे थे।

- Ans
- ☒ 1. नवाह
  - ☒ 2. नयोग
  - ☒ 3. नसग
  - ☒ 4. नकेत

Question ID : 630680563793  
Option 1 ID : 6306802204096  
Option 2 ID : 6306802204093  
Option 3 ID : 6306802204095  
Option 4 ID : 6306802204094  
Status : Not Answered Chosen  
Option : --



Q.8 न नलखत म, चार वक प म से, उस सही वक प का चयन कर जो वा यांश के लए एक श द का वक प हो।

जस पर वचार नह कया गया हो ।

- Ans
- ☒ 1. अववेक
  - ☒ 2. अवभा य
  - ☒ 3. अवचारत
  - ☒ 4. अवभ

Question ID : 630680563838  
Option 1 ID : 6306802204276  
Option 2 ID : 6306802204275  
Option 3 ID : 6306802204273  
Option 4 ID : 6306802204274  
Status : Not Answered Chosen  
Option : --

Q.9 न नलखत म, चार वक प म से, उस वक प का चयन कर जो दए गए श द के सही संध व छेद का वक प हो।

जगदंबा

- Ans
- ☒ 1. जगत + अंबा
  - ☒ 2. जगद + अंबा
  - ☒ 3. जग + दंबा
  - ☒ 4. जग + अंबा

Question ID : 630680563816  
Option 1 ID : 6306802204186  
Option 2 ID : 6306802204188  
Option 3 ID : 6306802204187  
Option 4 ID : 6306802204185  
Status : Not Answered Chosen  
Option : --

Q.10 न नलखत म, चार वक प म से, उस वक प का चयन कर जो द गई लोको का सही अथ वाला वक प है।

अपनी न द सोना, अपनी न द जागना । Ans

- ☒ 1. अपनी कुशल देखो
- ☒ 2. पूण वतं होना
- ☒ 3. बेसहारे का सहारा
- ☒ 4. सदा वतमान क ही च ता करनी चाहए

Question ID : 630680563836  
Option 1 ID : 6306802204265  
Option 2 ID : 6306802204267  
Option 3 ID : 6306802204268  
Option 4 ID : 6306802204266  
Status : Not Answered Chosen  
Option : --



Q.11 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो विलोम शब्द का सबसे अच्छा विकल्प है।

तिमिर

- Ans
- ☒ 1. मंद
  - ☒ 2. महान
  - ☒ 3. ठंडक
  - ☒ 4. प्रकाश

Question ID : 630680563805  
Option 1 ID : 6306802204141  
Option 2 ID : 6306802204142  
Option 3 ID : 6306802204144  
Option 4 ID : 6306802204143  
Status : Not Answered  
Chosen Option : --

Q.12 निम्नलिखित प्रश्न में, चार विकल्पों में से, उस विकल्प का चयन करें जो रिक्त स्थान के लिए सही शब्द-युग्म का सबसे अच्छा विकल्प है।


कश्मीर के सौंदर्य को देखकर मन \_\_\_\_\_ जाता है।

- Ans
- ☒ 1. तार-तार
  - ☒ 2. पानी-पानी
  - ☒ 3. मचल-मचल
  - ☒ 4. गाते-गाते

Question ID : 630680563808  
Option 1 ID : 6306802204155  
Option 2 ID : 6306802204156  
Option 3 ID : 6306802204154  
Option 4 ID : 6306802204153  
Status : Not Answered  
Chosen Option : --

Section : Technical Subject

Q.1 Into how many types are the filters classified in water treatment?

- Ans
- ☒ 1. One
  - ☒ 2. Three
  - ☒ 3. 
  - ☒ 4. Two

Question ID : 630680563467  
Option 1 ID : 6306802202821  
Option 2 ID : 6306802202823  
Option 3 ID : 6306802202824  
Option 4 ID : 6306802202822  
Status : Answered  
Chosen Option : 4



Q.2

Ans Which of the following non-metallic materials are also known as thermosoftening plastic?

- ☐ 1. Elastomers
- ☐ 2. Minerals
- ☒ 3. Thermoplastics
- ☐ 4. Thermoset materials

Question ID : 630680563500

Option 1 ID : 6306802202954

Option 2 ID : 6306802202955

Option 3 ID : 6306802202956

Option 4 ID : 6306802202953

Status : Answered Chosen

Option : 1

Q.3

Ans The estimate that includes the cost and quantities of everything required is known as \_\_\_\_\_.

- ☐ 1. Quantity estimate
- ☐ 2. Supplementary estimate
- ☒ 3. Detailed estimate
- ☐ 4. Revised estimate

Question ID : 630680563419

Option 1 ID : 6306802202631

Option 2 ID : 6306802202629

Option 3 ID : 6306802202630


Option 4 ID : 6306802202632

Status : Answered Chosen

Option : 3

Q.4

Ans The particles that retain on \_\_\_\_\_ sieve is called coarse aggregates.

- ☐ 1. 5.75 mm
- ☐ 2. 6.75 mm
- ☐ 3. 7.75 mm
- ☒ 4. 

Question ID : 630680563448

Option 1 ID : 6306802202746

Option 2 ID : 6306802202747

Option 3 ID : 6306802202748

Option 4 ID : 6306802202745

Status : Answered Chosen

Option : 4

Q.5  
Ans



- ☒ 1. Assembly buildings
- ☒ 2.
- ☒ 3. Residential buildings
- ☒ 4. Institutional buildings

Question ID : 630680563433  
Option 1 ID : 6306802202688  
Option 2 ID : 6306802202686  
Option 3 ID : 6306802202685  
Option 4 ID : 6306802202687  
Status : Answered Chosen  
Option : 3

Q.6  
Ans

Which of the following is the effective length of a column effectively held in position at both ends but not restrained in direction?

- ☒ 1.  $0.87L$
- ☒ 2.  $L$
- ☒ 3.  $0.67L$
- ☒ 4.  $0.33L$

Question ID : 630680563426  
Option 1 ID : 6306802202660  
Option 2 ID : 6306802202658  
Option 3 ID : 6306802202657  
Option 4 ID : 6306802202659  
Status : Answered Chosen  
Option : 2

Q.7  
Ans

Which of the following is NOT a Non-Destructive Testing method?

- ☒ 1. Rebound Hammer test
- ☒ 2. Resistivity Meter test
- ☒ 3. Capo test
- ☒ 4. Corrosion Analysis test

Question ID : 630680563451  
Option 1 ID : 6306802202758  
Option 2 ID : 6306802202760  
Option 3 ID : 6306802202757  
Option 4 ID : 6306802202759  
Status : Answered Chosen  
Option : 3





Q.8 \_\_\_\_\_ estimates are either submitted to the client to secure tender contracts or to secure the project.

- Ans ☒ Bid <sup>1.</sup>
- ☐ Rough <sup>2.</sup>
- ☐ Preliminary <sup>3.</sup>
- ☐ Detailed <sup>4.</sup>

Question ID : 630680563411

Option 1 ID : 6306802202598

Option 2 ID : 6306802202597

Option 3 ID : 6306802202599

Option 4 ID : 6306802202600

Status : Answered Chosen

Option : 3

Q.9 \_\_\_\_\_ is a lustrous transition metal which is silver in colour.

- Ans ☐ Tungsten <sup>1.</sup>
- ☐ Molybdenum <sup>2.</sup>
- ☐ Nickel <sup>3.</sup>
- ☒ Titanium <sup>4.</sup>

Question ID : 630680563502

Option 1 ID : 6306802202961

Option 2 ID : 6306802202963

Option 3 ID : 6306802202964

Option 4 ID : 6306802202962

Status : Answered Chosen

Option : 1

Read the following about Thermal power generation.

A. Thermal power generation is the process of obtaining thermal energy by burning fuels such as LNG etc., to convert into electric energy by using power- generating facilities.

B. Steam power generation is a power generation method utilizing the expansion power of steam.

Q.10 Identify the CORRECT statement/statements.

- Ans ☐ Only A <sup>1.</sup>
- ☐ Neither A nor B <sup>2.</sup>
- ☐ Only B <sup>3.</sup>
- ☒ Both A and B <sup>4.</sup>

Question ID : 630680563491

Option 1 ID : 6306802202917

Option 2 ID : 6306802202920

Option 3 ID : 6306802202918

Option 4 ID : 6306802202919

Status : Answered Chosen

Option : 3



Read the following about labour training safety.

A. All employees should be trained on hazard communication; other training may include electrical lock out, confined space entry, trenching, back injury prevention, fall protection, fire protection, equipment safety and other safety concerns.

B. It is important to identify the areas in which training is required.

Q.11 Identify the CORRECT statement/statements.

- Ans
- ☐ Only B <sup>1.</sup>
  - ☐ Neither A nor B <sup>2.</sup>
  - ☐ Only A <sup>3.</sup>
  - ☒ Both A and B <sup>4.</sup>

Question ID : 630680563457

Option 1 ID : 6306802202782

Option 2 ID : 6306802202784

Option 3 ID : 6306802202781

Option 4 ID : 6306802202783

Status : Answered Chosen

Option : 4

Q.12 In how many forms can precipitation occur?

- Ans
- ☐ Seven <sup>1.</sup>
  - ☐ Four <sup>2.</sup>
  - ☒ Six <sup>3.</sup>
  - ☐ Five <sup>4.</sup>

Question ID : 630680563477

Option 1 ID : 6306802202864

Option 2 ID : 6306802202861

Option 3 ID : 6306802202863

Option 4 ID : 6306802202862

Status : Answered Chosen

Option : 2

Q.13 Which of the following is NOT a reason for the importance of site investigation?

- Ans
- ☐ Helps determine construction materials <sup>1.</sup>
  - ☐ Saves cost <sup>2.</sup>
  - ☐ Increases safety <sup>3.</sup>
  - ☒ Maximizes damage <sup>4.</sup>

Question ID : 630680563458

Option 1 ID : 6306802202788

Option 2 ID : 6306802202786

Option 3 ID : 6306802202787

Option 4 ID : 6306802202785

Status : Answered Chosen

Option : 4



In which of the following methods of approximation the cost of the structure is determined by multiplying the total number of units by the unit rate of each item?

Q.14

Ans

- ☐ Cubical contents method <sup>1.</sup>
- ☒ Unit base method <sup>2.</sup>
- ☐ Plinth area method <sup>3.</sup>
- ☐ Approximate Quantity Method <sup>4.</sup>

Question ID : 630680563404  
Option 1 ID : 6306802202570  
Option 2 ID : 6306802202571  
Option 3 ID : 6306802202569  
Option 4 ID : 6306802202572  
Status : Answered Chosen  
Option : 4

Q.15 Which contouring method is used to prepare the contour map of a hill?

Ans

- ☒ <sup>1.</sup> Contours by hand level
- ☐ Method of Squares <sup>2.</sup>
- ☐ Method of cross-sections <sup>3.</sup>
- ☐ Graphical method <sup>4.</sup>

Question ID : 630680563462  
Option 1 ID : 6306802202802  
Option 2 ID : 6306802202801  
Option 3 ID : 6306802202803  
Option 4 ID : 6306802202804  
Status : Answered Chosen  
Option : 1

Q.16 Which of the following is the width of a single lane carriage way as per IRC specifications?

Ans

- ☐ 6.75 m <sup>1.</sup>
- ☒ 3.75 m <sup>2.</sup>
- ☐ 4.75 m <sup>3.</sup>
- ☐ 5.75 m <sup>4.</sup>

Question ID : 630680563471  
Option 1 ID : 6306802202840  
Option 2 ID : 6306802202837  
Option 3 ID : 6306802202838  
Option 4 ID : 6306802202839  
Status : Answered Chosen  
Option : 2

Q.17 For proper workability, water cement ratio varies from \_\_\_\_.

- Ans
- ☒ 0.4-0.6 <sup>1.</sup>
  - ☐ 0.2-0.4 <sup>2.</sup>
  - ☐ 0.6-0.8 <sup>3.</sup>
  - ☐ 0.8-0.10 <sup>4.</sup>

Question ID : 630680563450  
Option 1 ID : 6306802202754  
Option 2 ID : 6306802202753  
Option 3 ID : 6306802202755  
Option 4 ID : 6306802202756  
Status : Answered Chosen  
Option : 1

Read the following assumptions of air standard cycle.

A. Air is considered as working fluid.

B. Air has constant specific heat.

Q.18 Identify the CORRECT statement/statements.

- Ans
- ☐ 0.8-0.10 <sup>1.</sup>
  - ☐ Neither A nor B <sup>2.</sup>
  - ☐ Only B <sup>3.</sup>
  - ☒ Both A and B <sup>4.</sup>

Question ID : 630680563481  
Option 1 ID : 6306802202877  
Option 2 ID : 6306802202880  
Option 3 ID : 6306802202878  
Option 4 ID : 6306802202879  
Status : Answered Chosen  
Option : 1

Q.19 Which of the following components of a fire alarm system are the circuits which connect initiating devices such as smoke detectors, heat detectors, manual pull stations, and water flow alarms?

Ans

- ☐ 1. Alarm Indicating Appliance Circuits
- ☐ 2. Primary Power Supply
- ☐ 3. Fire Alarm Control Panel
- ☒ 4. Alarm Initiating Device Circuits

Question ID : 630680563437  
Option 1 ID : 6306802202702  
Option 2 ID : 6306802202704  
Option 3 ID : 6306802202703  
Option 4 ID : 6306802202701  
Status : Answered Chosen  
Option : 3

Q.20 The process of working out the cost or rate per unit of each item is called \_\_\_\_\_.

- Ans ☒ Data <sup>1.</sup>
- ☐ Rate <sup>2.</sup>
- ☐ Value <sup>3.</sup>
- ☐ Measurement <sup>4.</sup>

Question ID : 630680563413  
Option 1 ID : 6306802202605  
Option 2 ID : 6306802202606  
Option 3 ID : 6306802202608  
Option 4 ID : 6306802202607  
Status : Answered Chosen  
Option : 3

Read the following about building maintenance.

- A. Building maintenance refers to the ongoing efforts and tasks undertaken to keep a building or facility in good condition.  
B. It includes both preventive and corrective measures to ensure the safety, comfort, and functionality of the structure.

Q.21 Identify the INCORRECT statement/statements.

- Ans ☒ Neither A nor B <sup>1.</sup>
- ☐ 0.8-0.10 <sup>2.</sup>
- ☐ Both A and B <sup>3.</sup>
- ☐ Only B <sup>4.</sup>

Question ID : 630680563432  
Option 1 ID : 6306802202684  
Option 2 ID : 6306802202681  
Option 3 ID : 6306802202683  
Option 4 ID : 6306802202682  
Status : Answered Chosen  
Option : 1

Read the following about Ohm's law.

- A. Ohm's law states the relationship between electric current and potential difference.  
B. The current that flows through most conductors is directly proportional to the voltage applied to it.

Q.22 Identify the CORRECT statement/statements.

- Ans ☐ 0.8-0.10 <sup>1.</sup>
- ☐ Neither A nor B <sup>2.</sup>
- ☒ Both A and B <sup>3.</sup>
- ☐ Only B <sup>4.</sup>

Question ID : 630680563489  
Option 1 ID : 6306802202909  
Option 2 ID : 6306802202912  
Option 3 ID : 6306802202911  
Option 4 ID : 6306802202910  
Status : Answered Chosen  
Option : 3

Q.23 Into how many types can air compressors be classified?

- Ans
- ☒ 1. Eight
  - ☒ 2. Six
  - ☒ 3. Four
  - ☒ 4. Two

Question ID : 630680563479  
Option 1 ID : 6306802202872  
Option 2 ID : 6306802202871  
Option 3 ID : 6306802202870  
Option 4 ID : 6306802202869  
Status : Answered Chosen  
Option : 3

Q.24 Which of the following types of estimates is also called Rough estimate?

- Ans
- ☒ 1. Material component of estimation
  - ☒ 2. Preliminary estimate
  - ☒ 3. Quantity estimate
  - ☒ 4. Both A and B

Question ID : 630680563414  
Option 1 ID : 6306802202612  
Option 2 ID : 6306802202609  
Option 3 ID : 6306802202610  
Option 4 ID : 6306802202611  
Status : Answered Chosen  
Option : 2

Q.25 A tube well is a type of water well in which a long \_\_\_\_\_ diameter stainless steel pipe is bored into an underground aquifer.

- Ans
- ☒ 1. 400 - 500 mm
  - ☒ 2. 300 - 400 mm
  - ☒ 3. 100 - 200 mm
  - ☒ 4. 200 - 300 mm

Question ID : 630680563478  
Option 1 ID : 6306802202868  
Option 2 ID : 6306802202867  
Option 3 ID : 6306802202865  
Option 4 ID : 6306802202866  
Status : Answered Chosen  
Option : 3



Q.26 Activities that can be performed after the performance of other activities are called \_\_\_\_\_.

- Ans
- ☒ 1. Serial activity
  - ☒ 2. Successor activity
  - ☒ 3. Predecessor activity
  - ☒ 4. Parallel activity

Question ID : 630680563456  
Option 1 ID : 6306802202779  
Option 2 ID : 6306802202778  
Option 3 ID : 6306802202780  
Option 4 ID : 6306802202777  
Status : Answered Chosen  
Option : 2

Q.27 Which of the following is NOT a benefit of building electrification?

- Ans
- ☒ 1. Improves Air Quality
  - ☒ 2. Reduces greenhouse gas emissions
  - ☒ 3. Increases energy bills
  - ☒ 4. Increases energy efficiency

Question ID : 630680563440  
Option 1 ID : 6306802202713  
Option 2 ID : 6306802202715  
Option 3 ID : 6306802202716  
Option 4 ID : 6306802202714  
Status : Answered Chosen  
Option : 3

Q.28 Which of the following is NOT a key factor to design earthquake-resistant buildings? Ans

- ☒ 1. Drainage mechanism
- ☒ 2. Seismic dampers
- ☒ 3. Structural reinforcement
- ☒ 4. Inappropriate foundation

Question ID : 630680563498  
Option 1 ID : 6306802202947  
Option 2 ID : 6306802202945  
Option 3 ID : 6306802202948  
Option 4 ID : 6306802202946  
Status : Answered Chosen  
Option : 1

Q.29 Which of the following is a type of weir based on the shape of crest?

- Ans
- ☐ 1. Trapezoidal weir
  - ☐ 2. Triangular weir
  - ☐ 3. Rectangular weir
  - ☒ 4. Ogee-shaped weir

Question ID : 630680563476  
Option 1 ID : 6306802202859  
Option 2 ID : 6306802202860  
Option 3 ID : 6306802202858  
Option 4 ID : 6306802202857  
Status : Answered Chosen  
Option : 4

Read the following about Building Management Services(BMS) software.

A. A very basic BMS consists of software, a server with a database and smart sensors connected to an Internet-capable network.

B. Smart sensors around the building gather data and send it to the BMS, where it is stored in a database.

Q.30 Identify the INCORRECT statement/statements.

- Ans
- ☒ 1. Neither A nor B
  - ☐ 2. 0.8-0.10
  - ☐ 3. Both A and B
  - ☐ 4. Only B

Question ID : 630680563447  
Option 1 ID : 6306802202744  
Option 2 ID : 6306802202741  
Option 3 ID : 6306802202743  
Option 4 ID : 6306802202742  
Status : Answered Chosen  
Option : 1

Q.31 Using how many methods can the friction force power of an engine be classified?

- Ans
- ☐ 1. Six
  - ☐ 2. Two
  - ☐ 3. Eight
  - ☒ 4. Four

Question ID : 630680563482  
Option 1 ID : 6306802202883  
Option 2 ID : 6306802202881  
Option 3 ID : 6306802202884  
Option 4 ID : 6306802202882  
Status : Answered Chosen  
Option : 1



Q.32 Which of the following is the design bond stress in M20 concrete?

- Ans ☒ 1.8 <sup>1.</sup>
- ☒ 1.4 <sup>2.</sup>
- ☒ 1.6 <sup>3.</sup>
- ☒ 1.2 <sup>4.</sup>

Question ID : 630680563425  
Option 1 ID : 6306802202656  
Option 2 ID : 6306802202654  
Option 3 ID : 6306802202655  
Option 4 ID : 6306802202653  
Status : Answered Chosen  
Option : 4

Read the following about the advantages of Bar Bending Schedule.

A. Bar bending schedule provides details of reinforcement cutting and bending length.

B. When Bar bending schedule is available, cutting and bending of reinforcement can be done at factory and transported to site.

Q.33 Identify the CORRECT statement/statements.

- Ans ☒ Both A and B <sup>1.</sup>
- ☒ 0.8-0.10 <sup>2.</sup>
- ☒ Only B <sup>3.</sup>
- ☒ Neither A nor B <sup>4.</sup>

Question ID : 630680563406  
Option 1 ID : 6306802202579  
Option 2 ID : 6306802202577  
Option 3 ID : 6306802202578  
Option 4 ID : 6306802202580  
Status : Answered Chosen  
Option : 1

Q.34 Which of the following methods of estimation is suitable for walls of similar cross sections?

- Ans ☒ Partly cross wall method <sup>1.</sup>
- ☒ Centre Line method <sup>2.</sup>
- ☒ Long wall method <sup>3.</sup>
- ☒ Short wall method <sup>4.</sup>

Question ID : 630680563410  
Option 1 ID : 6306802202594  
Option 2 ID : 6306802202593  
Option 3 ID : 6306802202595  
Option 4 ID : 6306802202596  
Status : Answered Chosen  
Option : 2

Which of the following correctly represents slenderness ratio of a column?

Consider  $L$  = Length of the column

$r$  = Radius of gyration

Q.35

- Ans
- ☒  $L/r$  <sup>1.</sup>
  - ☐  $L+r$  <sup>2.</sup>
  - ☐  $L-r$  <sup>3.</sup>
  - ☐  $L \times r$  <sup>4.</sup>

Question ID : 630680563429  
Option 1 ID : 6306802202669  
Option 2 ID : 6306802202670  
Option 3 ID : 6306802202671  
Option 4 ID : 6306802202672  
Status : Answered Chosen  
Option : 1

Q.36 Into how many types can DC generators be classified?

- Ans
- ☐ Five <sup>1.</sup>
  - ☐ Six <sup>2.</sup>
  - ☐ Four <sup>3.</sup>
  - ☒ Three <sup>4.</sup>

Question ID : 630680563492  
Option 1 ID : 6306802202923  
Option 2 ID : 6306802202924  
Option 3 ID : 6306802202922  
Option 4 ID : 6306802202921  
Status : Answered Chosen  
Option : 4

Q.37 Which of the following is a correct definition of Diurnal Variation?

- Ans
- ☒ <sup>1.</sup> Daily variation of the magnetic needle
  - ☐ <sup>2.</sup> Variation of declination at a place varies in different ways at different periods
  - ☐ <sup>3.</sup> Declination of a place yearly
  - ☐ <sup>4.</sup> Irregular variation due to volcanic eruptions

Question ID : 630680563461  
Option 1 ID : 6306802202799  
Option 2 ID : 6306802202800  
Option 3 ID : 6306802202797  
Option 4 ID : 6306802202798  
Status : Answered  
Chosen Option : 1



Q.38 Which of the following factors do NOT affect the design of escalator systems?

- Ans
- ☐ 1. Location
  - ☐ 2. Carrying capacity
  - ☐ 3. Traffic patterns
  - ☒ 4. Colour of the building

Question ID : 630680563443  
Option 1 ID : 6306802202725  
Option 2 ID : 6306802202728  
Option 3 ID : 6306802202726  
Option 4 ID : 6306802202727  
Status : Answered  
Chosen Option : 4

Read the following about the advantages of Ordinary Portland Cement.

A. It has great resistance to cracking and shrinkage but has less resistance to chemical attacks.

B. Initial setting time of OPC is faster than PPC so it is recommended in projects where props are to be removed early.

Q.39 Identify the CORRECT statement/statements.

- Ans
- ☐ 1. Neither A nor B
  - ☒ 2. Both A and B
  - ☐ 3. Only B
  - ☐ 4. 0.8-0.10

Question ID : 630680563449  
Option 1 ID : 6306802202752  
Option 2 ID : 6306802202751  
Option 3 ID : 6306802202750  
Option 4 ID : 6306802202749  
Status : Answered  
Chosen Option : 1



Read the following about the rules of measurement in estimates.

A. The rules for measurement of each item are invariably described in IS- 1200.

B. Measurement shall be made for finished item of work and description of each item shall include materials, transport, labour, fabrication tools and plant and all types of overheads for finishing the work in required shape, size and specification.

Q.40 Identify the CORRECT statement/statements.

- Ans
- ☐ 1. Only B
  - ☐ 2. 0.8-0.10
  - ☐ 3. Neither A nor B
  - ☒ 4. Both A and B

Question ID : 630680563412  
Option 1 ID : 6306802202602  
Option 2 ID : 6306802202601  
Option 3 ID : 6306802202604  
Option 4 ID : 6306802202603  
Status : Answered  
Chosen Option : 4

Q.41 Into how many types can joints provided in concrete be classified?

- Ans
- ☐ 1. Two
  - ☐ 2. Five
  - ☐ 3. Four
  - ☒ 4. Three

Question ID : 630680563453  
Option 1 ID : 6306802202765  
Option 2 ID : 6306802202768  
Option 3 ID : 6306802202767  
Option 4 ID : 6306802202766  
Status : Answered Chosen  
Option : 1

Q.42 Which of the following type of fixture is used in ambient lighting?

- Ans
- ☐ 1. Desk lamps
  - ☐ 2. Sconce and wall-mounted lighting
  - ☒ 3. LED downlights
  - ☐ 4. Imaging systems

Question ID : 630680563445  
Option 1 ID : 6306802202733  
Option 2 ID : 6306802202735  
Option 3 ID : 6306802202734  
Option 4 ID : 6306802202736  
Status : Answered Chosen  
Option : 2

Q.43 Into how many types are pumps mainly classified?

- Ans
- ☒ Three <sup>1.</sup>
  - ☒ Four <sup>2.</sup>
  - ☒ Two <sup>3.</sup>
  - ☒ Five <sup>4.</sup>

Question ID : 630680563488

Option 1 ID : 6306802202906

Option 2 ID : 6306802202907

Option 3 ID : 6306802202905

Option 4 ID : 6306802202908

Status : **Answered** Chosen

Option : 3



Q.44 Which of the following is the most common cement to sand ratio in brick mortar?

- Ans
- ☐ 1:21 <sup>1.</sup>
  - ☐ 1:9 <sup>2.</sup>
  - ☐ 1:15 <sup>3.</sup>
  - ☒ 1:3 <sup>4.</sup>

Question ID : 630680563424  
Option 1 ID : 6306802202652  
Option 2 ID : 6306802202650  
Option 3 ID : 6306802202651  
Option 4 ID : 6306802202649  
Status : Answered Chosen  
Option : 4

Read the following about aeration in wastewater treatment.

A. Aeration is the process by which air is circulated through, mixed with or dissolved in a liquid or substance.

B. Aeration brings water and air in close contact in order to remove dissolved gases and to oxidize dissolved metals, including iron, hydrogen sulphide, and volatile organic chemicals (VOCs).

Q.45 Identify the CORRECT statement/statements.

- Ans
- ☒ Both A and B <sup>1.</sup>
  - ☐ Neither A nor B <sup>2.</sup>
  - ☐ Only B <sup>3.</sup>
  - ☐ 0.8-0.10 <sup>4.</sup>

Question ID : 630680563465  
Option 1 ID : 6306802202815  
Option 2 ID : 6306802202816  
Option 3 ID : 6306802202814  
Option 4 ID : 6306802202813  
Status : Answered Chosen  
Option : 1

Q.46 Minor losses in pipes depends upon \_\_\_\_\_.

- Ans
- ☒ Velocity head <sup>1.</sup>
  - ☐ Potential head <sup>2.</sup>
  - ☐ Datum head <sup>3.</sup>
  - ☐ Kinetic energy head <sup>4.</sup>

Question ID : 630680563486  
Option 1 ID : 6306802202900  
Option 2 ID : 6306802202897  
Option 3 ID : 6306802202899  
Option 4 ID : 6306802202898  
Status : Answered Chosen  
Option : 3

Q.47 Which of the following is NOT a method of estimating building work?

- Ans
- ☒ 1. Reciprocal method
  - ☐ 2. Crossing method
  - ☐ 3. Centre line method
  - ☐ 4. Long and short wall method

Question ID : 630680563418  
Option 1 ID : 6306802202628  
Option 2 ID : 6306802202627  
Option 3 ID : 6306802202625  
Option 4 ID : 6306802202626  
Status : Answered Chosen  
Option : 1

Q.48 Which of the following is a type of non-rigid dam?

- Ans
- ☒ 1. Earth dam
  - ☐ 2. Gravity dam
  - ☐ 3. Timber dam
  - ☐ 4. Arch dam

Question ID : 630680563475  
Option 1 ID : 6306802202856  
Option 2 ID : 6306802202853  
Option 3 ID : 6306802202855  
Option 4 ID : 6306802202854  
Status : Answered Chosen  
Option : 1

Q.49 Which of the following construction estimation software is used by residential contractors and interior designers?

- Ans
- ☒ 1. Houzz Pro
  - ☐ 2. ProEst
  - ☐ 3. Procore
  - ☐ 4. PlanSwift

Question ID : 630680563408  
Option 1 ID : 6306802202585  
Option 2 ID : 6306802202586  
Option 3 ID : 6306802202588  
Option 4 ID : 6306802202587  
Status : Answered Chosen  
Option : 4



Q.50 Which of the following types of tension members are the simplest forms of tension members?

- Ans ☒ Cables <sup>1.</sup>
- ☒ Bars and rods <sup>2.</sup>
- ☒ Wires <sup>3.</sup>
- ☒ Plates <sup>4.</sup>

Question ID : 630680563428

Option 1 ID : 6306802202666

Option 2 ID : 6306802202668

Option 3 ID : 6306802202665

Option 4 ID : 6306802202667

Status : Answered Chosen

Option : 1

Q.51 The method of preparing Supplementary estimate is same as \_\_\_\_.

- Ans ☒ Both A and B <sup>1.</sup>
- ☒ Revised estimate <sup>2.</sup>
- ☒ Quantity estimate <sup>3.</sup>
- ☒ Preliminary estimate <sup>4.</sup>

Question ID : 630680563417

Option 1 ID : 6306802202622

Option 2 ID : 6306802202621

Option 3 ID : 6306802202623

Option 4 ID : 6306802202624

Status : Answered Chosen

Option : 2

Q.52 Which of the following should be the span to effective depth ratio of simply supported beams having a beam span upto 10 m?

- Ans ☒ 20 <sup>1.</sup>
- ☒ 40 <sup>2.</sup>
- ☒ 4500 <sup>3.</sup>
- ☒ 30 <sup>4.</sup>

Question ID : 630680563421

Option 1 ID : 6306802202638

Option 2 ID : 6306802202640

Option 3 ID : 6306802202637

Option 4 ID : 6306802202639

Status : Answered Chosen

Option : 1



Q.53 Which of the following plumbing systems require four pipes and is very costly?

- Ans
- ☒ 1. One pipe system
  - ☒ 2. Two pipe system
  - ☒ 3. One pipe partially ventilated system
  - ☒ 4. Single stack system

Question ID : 630680563438  
Option 1 ID : 6306802202706  
Option 2 ID : 6306802202707  
Option 3 ID : 6306802202708  
Option 4 ID : 6306802202705  
Status : Answered Chosen  
Option : 3

Q.54 Which of the following types of materials have carbon as a common element?

- Ans
- ☒ 1. Organic materials
  - ☒ 2. Ceramic materials
  - ☒ 3. Metals
  - ☒ 4. Alloys

Question ID : 630680563499  
Option 1 ID : 6306802202949  
Option 2 ID : 6306802202950  
Option 3 ID : 6306802202951  
Option 4 ID : 6306802202952  
Status : Answered Chosen  
Option : 3

Q.55 The aperture of the objective in a tacheometer to give a bright image should be \_\_\_\_.

- Ans
- ☒ 1. 65 - 75mm
  - ☒ 2. 55 - 65mm
  - ☒ 3. 35 - 45mm
  - ☒ 4. 45 - 55mm

Question ID : 630680563463  
Option 1 ID : 6306802202808  
Option 2 ID : 6306802202807  
Option 3 ID : 6306802202805  
Option 4 ID : 6306802202806  
Status : Answered Chosen  
Option : 1

Read the following about the role of consultants.

A. A company may require a consultant to complete tasks that the internal staff cannot perform due to a lack of expertise, existing commitments, government regulation, or a need for an unbiased opinion.

B. In such instances, consultants may work alone, team with other consultants, or partner with company employees to accomplish a wide variety of functional and technical objectives.

Q.56 Identify the CORRECT statement/statements.

- Ans
- ☒ 0.8-0.10 <sup>1.</sup>
  - ☒ Both A and B <sup>2.</sup>
  - ☒ Only B <sup>3.</sup>
  - ☒ Neither A nor B <sup>4.</sup>

Question ID : 630680563455

Option 1 ID : 6306802202773

Option 2 ID : 6306802202775

Option 3 ID : 6306802202774

Option 4 ID : 6306802202776

Status : Answered Chosen

Option : 2

Q.57 Which of the following types of fittings is installed at the time of joining two pipes?

- Ans
- ☒ Gasket <sup>1.</sup>
  - ☒ Collar <sup>2.</sup>
  - ☒ Reducer <sup>3.</sup>
  - ☒ Elbow <sup>4.</sup>

Question ID : 630680563444

Option 1 ID : 6306802202732

Option 2 ID : 6306802202729

Option 3 ID : 6306802202730

Option 4 ID : 6306802202731

Status : Answered Chosen

Option : 2

Q.58 Which of the following is NOT a functional requirement of a building?

- Ans
- ☒ Durability <sup>1.</sup>
  - ☒ Comfort <sup>2.</sup>
  - ☒ Sound insulation <sup>3.</sup>
  - ☒ Dimensional instability <sup>4.</sup>

Question ID : 630680563435

Option 1 ID : 6306802202694

Option 2 ID : 6306802202695

Option 3 ID : 6306802202693

Option 4 ID : 6306802202696

Status : Answered Chosen

Option : 4



Q.59 Which of the following special types of concrete is a crack fighter?

- Ans ☒ Ferrocement Concrete <sup>1.</sup>
- ☐ Ultra-High Strength Concrete <sup>2.</sup>
- ☐ Fibre Reinforced Concrete <sup>3.</sup>
- ☐ Polymer Impregnated Concrete <sup>4.</sup>

Question ID : 630680563452  
Option 1 ID : 6306802202764  
Option 2 ID : 6306802202763  
Option 3 ID : 6306802202761  
Option 4 ID : 6306802202762  
Status : Answered Chosen  
Option : 4

Q.60 Which of the following is NOT a factor determining the governing design period of water treatment tanks?

- Ans ☐ First Cost <sup>1.</sup>
- ☐ Rate of increment <sup>2.</sup>
- ☐ Lead time <sup>3.</sup>
- ☒ Unavailability of funds <sup>4.</sup>

Question ID : 630680563464  
Option 1 ID : 6306802202810  
Option 2 ID : 6306802202812  
Option 3 ID : 6306802202809  
Option 4 ID : 6306802202811  
Status : Answered Chosen  
Option : 3

Q.61 Which of the following types of tension members are used often as tension members in transmission towers, foot bridges?

- Ans ☒ Flat bars <sup>1.</sup>
- ☐ Wires <sup>2.</sup>
- ☐ Cables <sup>3.</sup>
- ☐ Rods <sup>4.</sup>

Question ID : 630680563431  
Option 1 ID : 6306802202679  
Option 2 ID : 6306802202677  
Option 3 ID : 6306802202678  
Option 4 ID : 6306802202680  
Status : Answered Chosen  
Option : 3

Q.62 How many components comprise the fuel system in diesel engine?

- Ans ☒ 40 <sup>1.</sup>  
☐ Two <sup>2.</sup>  
☐ Four <sup>3.</sup>  
☒ Five <sup>4.</sup>

Question ID : 630680563480  
Option 1 ID : 6306802202875  
Option 2 ID : 6306802202876  
Option 3 ID : 6306802202874  
Option 4 ID : 6306802202873  
Status : Answered Chosen  
Option : 1

Q.63 Which of the following is one of the most widely used methods of water disinfection?

- Ans ☐ Chlorine Dioxide <sup>1.</sup>  
☐ UV Disinfection <sup>2.</sup>  
☒ Chlorination <sup>3.</sup>  
☐ Ozonation <sup>4.</sup>

Question ID : 630680563468  
Option 1 ID : 6306802202825  
Option 2 ID : 6306802202827  
Option 3 ID : 6306802202828  
Option 4 ID : 6306802202826  
Status : Answered Chosen  
Option : 3

Q.64 How many distinct stages are present in the production of steam from water?

- Ans ☒ 40 <sup>1.</sup>  
☐ Four <sup>2.</sup>  
☐ Six <sup>3.</sup>  
☐ Five <sup>4.</sup>

Question ID : 630680563483  
Option 1 ID : 6306802202885  
Option 2 ID : 6306802202886  
Option 3 ID : 6306802202888  
Option 4 ID : 6306802202887  
Status : Answered Chosen  
Option : 1

Q.65 Into how many types can fluid flow be classified?

- Ans ☒ Six <sup>1.</sup>
- ☒ Ten <sup>2.</sup>
- ☒ Eight <sup>3.</sup>
- ☒ Twelve <sup>4.</sup>

Question ID : 630680563487  
Option 1 ID : 6306802202901  
Option 2 ID : 6306802202903  
Option 3 ID : 6306802202902  
Option 4 ID : 6306802202904  
Status : Answered Chosen  
Option : 1

Read the following about large deflection in steel beams.

- A. The large deflections may result in cracking of ceiling plaster, floors or partition walls.
- B. The large deflection indicate the lack of rigidity.

Q.66 Identify the CORRECT statement/statements.

- Ans ☒ Both A and B <sup>1.</sup>
- ☒ Neither A nor B <sup>2.</sup>
- ☒ Only B <sup>3.</sup>
- ☒ 0.8-0.10 <sup>4.</sup>

Question ID : 630680563427  
Option 1 ID : 6306802202663  
Option 2 ID : 6306802202664  
Option 3 ID : 6306802202662  
Option 4 ID : 6306802202661  
Status : Answered Chosen  
Option : 1



Q.67 The maximum deflection for a beam shall not exceed \_\_\_\_ of the span.

- Ans
- ☒ 1.  $\frac{1}{225}$
  - ☒ 2.  $\frac{1}{425}$
  - ☒ 3.  $\frac{1}{325}$
  - ☒ 4.  $\frac{1}{125}$

Question ID : 630680563430  
Option 1 ID : 6306802202674  
Option 2 ID : 6306802202676  
Option 3 ID : 6306802202675  
Option 4 ID : 6306802202673  
Status : Answered Chosen  
Option : 1

Q.68 Survey which is carried out to locate relics of antiquity and civilizations is known as \_\_\_\_\_. Ans

- ☒ 1. Archaeological
- ☒ 2. Hydrographic
- ☒ 3. Astronomic
- ☒ 4. Cadastral

Question ID : 630680563460  
Option 1 ID : 6306802202796  
Option 2 ID : 6306802202795  
Option 3 ID : 6306802202794  
Option 4 ID : 6306802202793  
Status : Answered Chosen  
Option : 1

Q.69 For satisfactory operation of an indicating instrument \_\_\_\_\_ forces/ Torque are essentially required.

- Ans
- ☒ 1. Six
  - ☒ 2. Four
  - ☒ 3. 40
  - ☒ 4. Five

Question ID : 630680563493  
Option 1 ID : 6306802202928  
Option 2 ID : 6306802202926  
Option 3 ID : 6306802202925  
Option 4 ID : 6306802202927  
Status : Answered Chosen  
Option : 3



Q.70 Which of the following is the first item of work involved in the estimation of buildings?

- Ans
- ☒ 1. Damp-Proof Course
  - ☒ 2. Clearing the Site
  - ☒ 3. Earthwork in Filling
  - ☒ 4. Soil Excavation for Foundation Trenches

Question ID : 630680563405  
Option 1 ID : 6306802202576  
Option 2 ID : 6306802202573  
Option 3 ID : 6306802202575  
Option 4 ID : 6306802202574  
Status : Answered  
Chosen Option : 2

Read the following about Earthquakes.

- A. An earthquake is a sudden movement of the Earth, caused by the abrupt release of strain that has accumulated over a long time.  
B. For hundreds of millions of years, the forces of plate tectonics have shaped the Earth as the huge plates that form the Earth's surface slowly move over, under, and past each other.

Q.71 Identify the INCORRECT statement/statements.

- Ans
- ☒ 1. Only B
  - ☒ 2. 0.8-0.10
  - ☒ 3. Both A and B
  - ☒ 4. Neither A nor B

Question ID : 630680563494  
Option 1 ID : 6306802202930  
Option 2 ID : 6306802202929  
Option 3 ID : 6306802202931  
Option 4 ID : 6306802202932  
Status : Answered Chosen  
Option : 2

Q.72 Which of the following methods of alloy strengthening involves alloying with impurity atoms that go into either substitutional or interstitial solid solution?

- Ans
- ☒ 1. Particulate Strengthening
  - ☒ 2. Phase Transformation Hardening
  - ☒ 3. Strain Hardening
  - ☒ 4. Solid Solution Strengthening

Question ID : 630680563501  
Option 1 ID : 6306802202958  
Option 2 ID : 6306802202960  
Option 3 ID : 6306802202957  
Option 4 ID : 6306802202959  
Status : Answered Chosen  
Option : 2

Q.73 Which of the following methods of estimation is often referred to as a "take-off"?

- Ans
- ☐ Both A and B <sup>1.</sup>
  - ☐ Approximate estimate <sup>2.</sup>
  - ☐ Rough estimate <sup>3.</sup>
  - ☒ Long wall method <sup>4.</sup>

Question ID : 630680563409  
Option 1 ID : 6306802202590  
Option 2 ID : 6306802202591  
Option 3 ID : 6306802202589  
Option 4 ID : 6306802202592  
Status : Answered Chosen  
Option : 1

Q.74 Which of the following is a Zero-dimensional nano material?

- Ans
- ☐ Nano tubes <sup>1.</sup>
  - ☒ Nano spheres <sup>2.</sup>
  - ☐ Nanofilms <sup>3.</sup>
  - ☐ Nano rods <sup>4.</sup>

Question ID : 630680563503  
Option 1 ID : 6306802202965  
Option 2 ID : 6306802202967  
Option 3 ID : 6306802202968  
Option 4 ID : 6306802202966  
Status : Answered Chosen  
Option : 3

Q.75 Which of the following is the vertical distance of the lowest point of a channel section from the free surface of water?

- Ans
- ☐ Wetted perimeter <sup>1.</sup>
  - ☐ Wetted area <sup>2.</sup>
  - ☐ Top width <sup>3.</sup>
  - ☒ Depth of flow <sup>4.</sup>

Question ID : 630680563484  
Option 1 ID : 6306802202892  
Option 2 ID : 6306802202891  
Option 3 ID : 6306802202889  
Option 4 ID : 6306802202890  
Status : Answered Chosen  
Option : 1



Read the following about the essential elements of contracts.

A. There must be an agreement. This involves two parties, one party making the offer and the other party accepting it.

B. The parties must intend to create legal relationship.

Q.76 Identify the CORRECT statement/statements.

- Ans
- ☒ Only B <sup>1.</sup>
  - ☒ Both A and B <sup>2.</sup>
  - ☒ 0.8-0.10 <sup>3.</sup>
  - ☒ Neither A nor B <sup>4.</sup>

Question ID : 630680563454

Option 1 ID : 6306802202770

Option 2 ID : 6306802202771

Option 3 ID : 6306802202769

Option 4 ID : 6306802202772

Status : Answered Chosen

Option : 2

Q.77 Which of the following types of lighting is suitable for living and relaxation spaces?

- Ans
- ☒ 1. Task lighting
  - ☒ 2. Accent lighting
  - ☒ 3. Decorative lighting
  - ☒ 4. Ambient lighting

Question ID : 630680563439

Option 1 ID : 6306802202709

Option 2 ID : 6306802202710

Option 3 ID : 6306802202712

Option 4 ID : 6306802202711

Status : Answered Chosen

Option : 4

Q.78 Secondary waves are also known as \_\_\_\_\_.

- Ans
- ☒ Q waves <sup>1.</sup>
  - ☒ S waves <sup>2.</sup>
  - ☒ R waves <sup>3.</sup>
  - ☒ P waves <sup>4.</sup>

Question ID : 630680563496

Option 1 ID : 6306802202938

Option 2 ID : 6306802202940

Option 3 ID : 6306802202939

Option 4 ID : 6306802202937

Status : Answered Chosen

Option : 2



Q.79 An unevenness index value less than \_\_\_\_\_ is considered as good.

- Ans
- ☒ 1000 mm/km <sup>1.</sup>
  - ☒ 2500 mm/km <sup>2.</sup>
  - ☒ 1500 mm/km <sup>3.</sup>
  - ☒ 2000 mm/km <sup>4.</sup>

Question ID : 630680563473

Option 1 ID : 6306802202845

Option 2 ID : 6306802202848

Option 3 ID : 6306802202846

Option 4 ID : 6306802202847

Status : Answered Chosen

Option : 3

Q.80 Into how many types can the limit state method be classified?

- Ans
- ☒ Six <sup>1.</sup>
  - ☒ Eight <sup>2.</sup>
  - ☒ Two <sup>3.</sup>
  - ☒ Four <sup>4.</sup>

Question ID : 630680563422

Option 1 ID : 6306802202643

Option 2 ID : 6306802202644

Option 3 ID : 6306802202641

Option 4 ID : 6306802202642

Status : Answered Chosen

Option : 3

Q.81 How many layers are present in a flexible pavement?

- Ans
- ☒ Two <sup>1.</sup>
  - ☒ Five <sup>2.</sup>
  - ☒ Four <sup>3.</sup>
  - ☒ 40 <sup>4.</sup>

Question ID : 630680563470

Option 1 ID : 6306802202833

Option 2 ID : 6306802202836

Option 3 ID : 6306802202835

Option 4 ID : 6306802202834

Status : Answered Chosen

Option : 3

Q.82 Which of the following is NOT a direct measurement method of distance?

- Ans ☒ Measurement with Electronic Distance Meter (EDM) <sup>1.</sup>
- ☐ Measurement with Odometer <sup>2.</sup>
- ☐ Pacing <sup>3.</sup>
- ☐ <sup>4.</sup> Chaining

Question ID : 630680563459

Option 1 ID : 6306802202792

Option 2 ID : 6306802202789

Option 3 ID : 6306802202791

Option 4 ID : 6306802202790

Status : Answered Chosen  
Option : 3

Q.83 Low-voltage installations have voltages that are below \_\_\_\_.

- Ans ☐ 200 Volts <sup>1.</sup>
- ☐ 800 Volts <sup>2.</sup>
- ☒ 600 Volts <sup>3.</sup>
- ☐ 400 Volts <sup>4.</sup>

Question ID : 630680563446

Option 1 ID : 6306802202737

Option 2 ID : 6306802202740

Option 3 ID : 6306802202739

Option 4 ID : 6306802202738

Status : Answered Chosen  
Option : 4

Read the following about the importance of building services.

A. Building services play a central role in contributing to the design of a building, not only in terms of overall strategies and standards to be achieved, but also in facade engineering, the weights, sizes and location of major plant and equipment, the position of vertical service risers, routes for the distribution of horizontal services, drainage, energy sources, sustainability, and so on.

B. Building services engineers influence a building's architecture and can have considerable influence on the sustainability and energy demand of a building, as well as the health and wellbeing of its occupants.

Q.84 Identify the CORRECT statement/statements.

- Ans ☐ Neither A nor B <sup>1.</sup>
- ☒ Both A and B <sup>2.</sup>
- ☐ Only B <sup>3.</sup>
- ☐ <sup>4.</sup> 0.8-0.10

Question ID : 630680563434

Option 1 ID : 6306802202692

Option 2 ID : 6306802202691

Option 3 ID : 6306802202690

Option 4 ID : 6306802202689

Status : Answered Chosen  
Option : 4

Q.85 Which of the following is a CORRECT definition to Specific energy in Open channel?

- Ans
- ☐ 1. Energy flowing in both top and bottom channels
  - ☐ 2. Energy of flowing liquid with respect to the topmost channel
  - ☐ 3. Energy of flowing liquid with respect to middle channel
  - ☒ 4. Energy of flowing liquid with respect to bottom channel

Question ID : 630680563485  
Option 1 ID : 6306802202896  
Option 2 ID : 6306802202893  
Option 3 ID : 6306802202895  
Option 4 ID : 6306802202894  
Status : Answered  
Chosen Option : 4

Q.86 Which of the following relations correctly describes the moment(M) of an earthquake?

- Ans
- ☐ 1. Moment (M) = rigidity + area + slip
  - ☐ 2. Moment (M) = rigidity - area  $\times$  slip
  - ☐ 3. Moment (M) = rigidity + area  $\times$  slip
  - ☒ 4. Moment (M) = rigidity  $\times$  area  $\times$  slip

Question ID : 630680563497  
Option 1 ID : 6306802202943  
Option 2 ID : 6306802202944  
Option 3 ID : 6306802202942  
Option 4 ID : 6306802202941  
Status : Answered Chosen  
Option : 2

Read the following about air-conditioning systems.

A. To keep the environment to a desired temperature, the air conditioning system is the device used.

B. It can be installed in houses, offices, cars, even a modern religious centre now have it. in short, it can be used in both domestic and commercial environments.

Q.87 Identify the CORRECT statement/statements.

- Ans
- ☐ 1. Neither A nor B
  - ☐ 2. Only B
  - ☐ 3. 0.8-0.10
  - ☒ 4. Both A and B

Question ID : 630680563436  
Option 1 ID : 6306802202700  
Option 2 ID : 6306802202698  
Option 3 ID : 6306802202697  
Option 4 ID : 6306802202699  
Status : Answered Chosen  
Option : 4

\_\_\_\_\_ are provided along the road edge and is intended for accommodation of stopped vehicles, serve as an emergency lane for vehicles and provide lateral support for base and surface courses.

Q.88

Ans

- ☐ Bicycle tracks 1.
- ☐ Medians 2.
- ☐ Parking lanes 3.
- ☒ Shoulders 4.

Question ID : 630680563472

Option 1 ID : 6306802202844

Option 2 ID : 6306802202842

Option 3 ID : 6306802202841

Option 4 ID : 6306802202843

Status : Answered Chosen

Option : 4

Q.89 The bars in the design of columns shall be spaced not exceeding \_\_\_\_\_ along the periphery of the column.

Ans

- ☐ 1200 mm 1.
- ☒ 300 mm 2.
- ☐ 600 mm 3.
- ☐ 900 mm 4.

Question ID : 630680563420

Option 1 ID : 6306802202636

Option 2 ID : 6306802202633

Option 3 ID : 6306802202634

Option 4 ID : 6306802202635

Status : Answered Chosen

Option : 2

Q.90 Into how many types are railway sleepers classified based on materials?

Ans

- ☐ Four 1.
- ☒ Five 2.
- ☐ Six 3.
- ☐ Aluminium Device Curved 4.

Question ID : 630680563469

Option 1 ID : 6306802202829

Option 2 ID : 6306802202830

Option 3 ID : 6306802202831

Option 4 ID : 6306802202832

Status : Answered Chosen

Option : 1

Q.91 Which of the following is a type of sedimentation tank based on shape?

- Ans
- ☐ 1. Fill and draw type
  - ☐ 2. Primary
  - ☐ 3. Continuous flow type
  - ☒ 4. Circular

Question ID : 630680563466  
Option 1 ID : 6306802202820  
Option 2 ID : 6306802202818  
Option 3 ID : 6306802202819  
Option 4 ID : 6306802202817  
Status : Answered Chosen  
Option : 4

Q.92 Hypocentre is also known as \_\_\_\_\_.

- Ans
- ☒ 1. Focus
  - ☐ 2. Magnitude
  - ☐ 3. Epicentre
  - ☐ 4. Seismicity

Question ID : 630680563495  
Option 1 ID : 6306802202935  
Option 2 ID : 6306802202934  
Option 3 ID : 6306802202933  
Option 4 ID : 6306802202936  
Status : Answered Chosen  
Option : 3

Q.93 Which of the following is NOT an internal obsolescence in valuation?

- Ans
- ☒ 1. Poor original location
  - ☐ 2. Poor on eccentric original design
  - ☐ 3. Change in type of construction
  - ☐ 4. Change of kind of construction

Question ID : 630680563416  
Option 1 ID : 6306802202620  
Option 2 ID : 6306802202618  
Option 3 ID : 6306802202617  
Option 4 ID : 6306802202619  
Status : Answered Chosen  
Option : 1



Q.94 Which of the following types of HVAC uses tubes instead of larger ducts to move air into a room from an outdoor compressor and condenser?

- Ans
- ☒ 1. Ductless Mini-Split System
  - ☒ 2. Ducted Mini-Split System
  - ☒ 3. Split System
  - ☒ 4. Hybrid Heat Pump System

Question ID : 630680563442  
Option 1 ID : 6306802202721  
Option 2 ID : 6306802202723  
Option 3 ID : 6306802202724  
Option 4 ID : 6306802202722  
Status : Answered Chosen  
Option : 4

Q.95 Which of the following is the first step in the design of beams as per IS 456:2000?

- Ans
- ☒ 1. Determine the size of the section
  - ☒ 2. Calculate the main reinforcement
  - ☒ 3. Check for Bond
  - ☒ 4. Estimate the loads and moments

Question ID : 630680563423  
Option 1 ID : 6306802202647  
Option 2 ID : 6306802202646  
Option 3 ID : 6306802202648  
Option 4 ID : 6306802202645  
Status : Answered Chosen  
Option : 4

Q.96 Which of the following formulae represents power factor(PF)?

- Ans
- ☒ 1.  $PF = (\text{True power}) \times (\text{Apparent power})$
  - ☒ 2.  $PF = (\text{True power}) + (\text{Apparent power})$
  - ☒ 3.  $PF = (\text{True power}) / (\text{Apparent power})$
  - ☒ 4.  $PF = (\text{True power}) - (\text{Apparent power})$

Question ID : 630680563490  
Option 1 ID : 6306802202915  
Option 2 ID : 6306802202913  
Option 3 ID : 6306802202914  
Option 4 ID : 6306802202916  
Status : Answered Chosen  
Option : 1



Q.97 Into how many types are the methods of irrigation classified?

- Ans
- ☐ Two <sup>1.</sup>
  - ☐ Data <sup>2.</sup>
  - ☒ Four <sup>3.</sup>
  - ☐ Eight <sup>4.</sup>

Question ID : 630680563474  
Option 1 ID : 6306802202849  
Option 2 ID : 6306802202851  
Option 3 ID : 6306802202850  
Option 4 ID : 6306802202852  
Status : Answered Chosen  
Option : 1

Read the following about the role of Building Management Services(BMS).

A. A building management system (BMS) is a control system that can be used to monitor and manage the mechanical, electrical and electromechanical services in a facility.

B. Such services can include power, heating, ventilation, air-conditioning, physical access control, pumping stations, elevators and lights.

Q.98 Identify the CORRECT statement/statements.

- Ans
- ☐ 1. Only B
  - ☐ 0.8-0.10 <sup>2.</sup>
  - ☒ Both A and B <sup>3.</sup>
  - ☐ Neither A nor B <sup>4.</sup>

Question ID : 630680563441  
Option 1 ID : 6306802202718  
Option 2 ID : 6306802202717  
Option 3 ID : 6306802202719  
Option 4 ID : 6306802202720  
Status : Answered Chosen  
Option : 3

Q.99 To meet expenses of office rent, depreciation of equipment salaries of staff postage, lighting an amount of \_\_\_\_\_ of estimate cost is allocated.

- Ans
- ☐ 0.06 <sup>1.</sup>
  - ☐ 0.02 <sup>2.</sup>
  - ☒ 0.04 <sup>3.</sup>
  - ☐ 0.08 <sup>4.</sup>

Question ID : 630680563415  
Option 1 ID : 6306802202615  
Option 2 ID : 6306802202613  
Option 3 ID : 6306802202614  
Option 4 ID : 6306802202616  
Status : Answered Chosen  
Option : 4



Q.100 Which of the following is the quickest and the easiest method of cost estimation?

Ans

- ☒ 1. Statistical modelling
- ☒ 2. Least Square Regression
- ☒ 3. Scattergraph
- ☒ 4. High - Low method

Question ID : 630680563407

Option 1 ID : 6306802202584

Option 2 ID : 6306802202583

Option 3 ID : 6306802202582

Option 4 ID : 6306802202581

Status : Answered

Chosen Option : 1

