



महाराष्ट्र शासन
जलसंपदा विभाग

कनिष्ठ अभियंता (स्थापत्य) गट-ब (अराजपत्रित) सरळसेवा परीक्षा-२०१९

Participant ID	
Participant Name	
Test Center Name	iON Digital Zone Chikalthana
Test Date	12/08/2022
Test Time	12:30 PM - 2:00 PM
Subject	Cluster 1

Section : English

Q.1 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. Her name was Mumtaz Mahal: its shortened form Taj Mahal, which means 'pride of the palace'.
B. The Taj Mahal is a love story, a sad but beautiful one.
C. His wife was a beautiful and bright woman whom he loved greatly.
D. Three hundred years ago, there lived an Indian emperor called Shah Jahan.

- Ans 1. BADC
 2. DACB
 3. BDCA
 4. DCBA

Question Type : MCQ

Question ID : 387868721

Option 1 ID : 3878682827

Option 2 ID : 3878682826

Option 3 ID : 3878682828

Option 4 ID : 3878682825

Status : Answered

Chosen Option : 3

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

I would _____ go hungry than eat any junk food.

- Ans
- 1. rather
 - 2. fairly
 - 3. quite
 - 4. still

Question Type : MCQ
Question ID : 387868715
Option 1 ID : 3878682803
Option 2 ID : 3878682802
Option 3 ID : 3878682804
Option 4 ID : 3878682801
Status : Answered
Chosen Option : 1

Q.3 Select the most appropriate ANTONYM of the given word.

Cogent

- Ans
- 1. Relevant
 - 2. Urgent
 - 3. Forceful
 - 4. Ineffective

Question Type : MCQ
Question ID : 387868718
Option 1 ID : 3878682814
Option 2 ID : 3878682816
Option 3 ID : 3878682813
Option 4 ID : 3878682815
Status : Answered
Chosen Option : 1

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

It is a quarter to eight _____ my watch.

- Ans
- 1. on
 - 2. in
 - 3. at
 - 4. by

Question Type : MCQ
Question ID : 387868716
Option 1 ID : 3878682806
Option 2 ID : 3878682805
Option 3 ID : 3878682808
Option 4 ID : 3878682807
Status : Answered
Chosen Option : 2

Q.5 Select the most appropriate meaning of the given idiom.

Cat's paw

- Ans 1. An unfaithful person
 2. A person used as a tool by another
 3. A soft-hearted person
 4. An ambitious person

Question Type : MCQ

Question ID : 387868720

Option 1 ID : 3878682823

Option 2 ID : 3878682822

Option 3 ID : 3878682821

Option 4 ID : 3878682824

Status : Answered

Chosen Option : 4

Q.6 Select the most appropriate option to fill in the blank.

If only he _____ as he had been told!

- Ans 1. had acted
 2. acted
 3. would have acted
 4. was acting

Question Type : MCQ

Question ID : 387868717

Option 1 ID : 3878682810

Option 2 ID : 3878682809

Option 3 ID : 3878682812

Option 4 ID : 3878682811

Status : Answered

Chosen Option : 4

Q.7 Select the most appropriate synonym of the given word.

Stationary

- Ans 1. Patient
 2. Restless
 3. Motionless
 4. Envelope

Question Type : MCQ

Question ID : 387868719

Option 1 ID : 3878682819

Option 2 ID : 3878682818

Option 3 ID : 3878682817

Option 4 ID : 3878682820

Status : Answered

Chosen Option : 3

Comprehension:

Read the given passage and answer the questions that follow.

A Nobel Prize is considered by most people as one of the highest international honours a person can receive. The prizes were started by a Swede called Alfred Nobel. Alfred Nobel was born in Stockholm, the capital of Sweden, and lived from 1833 to 1896. Alfred Nobel was a chemist and inventor. He made two important inventions, and so he became very rich. However, Nobel was not a happy man. He never married or had children. Also, he was a sick man for a large part of his life. Nobel died at the age of sixty-three. When he died, he left a fund of \$9,000,000. The money was to be used in giving prizes to those who made outstanding achievements in physics, chemistry, medicine, literature and the promotion of world peace.

The first Nobel Prizes were given on 10 December 1901, five years after Nobel's death. Each Prize has three parts. The first part is a gold medal. Second, the winner of a Nobel Prize is given a diploma saying that he/she has been given the Prize. The third part of the Prize is a large amount of money.

SubQuestion No : 8**Q.8 A Nobel Prize comprises:****Ans** 1. a medal and money 2. a medal, diploma and money 3. a diploma and money 4. a medal and a diplomaQuestion Type : **MCQ**Question ID : **387868724**Option 1 ID : **3878682835**Option 2 ID : **3878682836**Option 3 ID : **3878682834**Option 4 ID : **3878682833**Status : **Answered**Chosen Option : **4**The logo for Adda247, featuring the word 'Adda' in a stylized font followed by '247' in a large, outlined font.

Comprehension:

Read the given passage and answer the questions that follow.

A Nobel Prize is considered by most people as one of the highest international honours a person can receive. The prizes were started by a Swede called Alfred Nobel. Alfred Nobel was born in Stockholm, the capital of Sweden, and lived from 1833 to 1896. Alfred Nobel was a chemist and inventor. He made two important inventions, and so he became very rich. However, Nobel was not a happy man. He never married or had children. Also, he was a sick man for a large part of his life. Nobel died at the age of sixty-three. When he died, he left a fund of \$9,000,000. The money was to be used in giving prizes to those who made outstanding achievements in physics, chemistry, medicine, literature and the promotion of world peace.

The first Nobel Prizes were given on 10 December 1901, five years after Nobel's death. Each Prize has three parts. The first part is a gold medal. Second, the winner of a Nobel Prize is given a diploma saying that he/she has been given the Prize. The third part of the Prize is a large amount of money.

SubQuestion No : 9

Q.9 Alfred Nobel, who started the Nobel Prize, was:

- Ans** 1. a rich but unhealthy man
 2. a poor and unlucky man
 3. a very rich and happy man
 4. a selfish and proud man

Question Type : **MCQ**

Question ID : **387868723**

Option 1 ID : **3878682831**

Option 2 ID : **3878682830**

Option 3 ID : **3878682829**

Option 4 ID : **3878682832**

Status : **Answered**

Chosen Option : **1**

Adda247

Comprehension:

Read the given passage and answer the questions that follow.

A Nobel Prize is considered by most people as one of the highest international honours a person can receive. The prizes were started by a Swede called Alfred Nobel. Alfred Nobel was born in Stockholm, the capital of Sweden, and lived from 1833 to 1896. Alfred Nobel was a chemist and inventor. He made two important inventions, and so he became very rich. However, Nobel was not a happy man. He never married or had children. Also, he was a sick man for a large part of his life. Nobel died at the age of sixty-three. When he died, he left a fund of \$9,000,000. The money was to be used in giving prizes to those who made outstanding achievements in physics, chemistry, medicine, literature and the promotion of world peace.

The first Nobel Prizes were given on 10 December 1901, five years after Nobel's death. Each Prize has three parts. The first part is a gold medal. Second, the winner of a Nobel Prize is given a diploma saying that he/she has been given the Prize. The third part of the Prize is a large amount of money.

SubQuestion No : 10

Q.10 After his death, Alfred Nobel left his money:

Ans ✓ 1. to award Nobel Prizes to outstanding achievers

✗ 2. to the hospital where he received treatment

✗ 3. to his wife and children

✗ 4. to the University of Stockholm

Question Type : **MCQ**

Question ID : **387868725**

Option 1 ID : **3878682839**

Option 2 ID : **3878682840**

Option 3 ID : **3878682838**

Option 4 ID : **3878682837**

Status : **Answered**

Chosen Option : **1**

Section : **Marathi**

Q.11 'पराचा कावळा करणे' या वाक्यचाराचा अर्थ शोधा.

Ans ✗ 1. वरचढ होणे

✗ 2. नाश करणे

✗ 3. भानगड करणे

✓ 4. साथी गोष्ट फुगवून सांगणे

Question Type : **MCQ**

Question ID : **387868731**

Option 1 ID : **3878682864**

Option 2 ID : **3878682861**

Option 3 ID : **3878682862**

Option 4 ID : **3878682863**

Status : **Answered**

Chosen Option : **4**

Q.12 रांगते मूल आणि हसरा चेहरा नेहमीच आनन्द देतो. यातील विशेषणे ओळखा.

- Ans 1. रांगते, चेहरा
 2. हसरा, रांगते
 3. नेहमीच, देतो
 4. मूल, आनन्द

Question Type : MCQ

Question ID : 387868726

Option 1 ID : 3878682842

Option 2 ID : 3878682843

Option 3 ID : 3878682844

Option 4 ID : 3878682841

Status : Answered

Chosen Option : 2

Q.13 'विख्यात' या शब्दाचा समानार्थी शब्द कोणता?

- Ans 1. निपुण
 2. विकल्प
 3. नामांकित
 4. व्यवस्थित

Question Type : MCQ

Question ID : 387868730

Option 1 ID : 3878682858

Option 2 ID : 3878682859

Option 3 ID : 3878682860

Option 4 ID : 3878682857

Status : Answered

Chosen Option : 3

Q.14 तू आंबे किंवा फणस काहीही आण. या वाक्यातील अव्यय शोधा.

- Ans 1. तू
 2. आंबे
 3. किंवा
 4. फणस

Question Type : MCQ

Question ID : 387868727

Option 1 ID : 3878682848

Option 2 ID : 3878682845

Option 3 ID : 3878682847

Option 4 ID : 3878682846

Status : Answered

Chosen Option : 3

Q.15 'मी काल यावेळी वाचत होतो'. या वाक्यातील काळ ओळखा.

- Ans
- 1. पूर्ण भूतकाळ
 - 2. पूर्ण वर्तमान काळ
 - 3. अपूर्ण भूतकाळ
 - 4. अपूर्ण वर्तमानकाळ

Question Type : MCQ

Question ID : 387868728

Option 1 ID : 3878682852

Option 2 ID : 3878682851

Option 3 ID : 3878682850

Option 4 ID : 3878682849

Status : Answered

Chosen Option : 3

Q.16 अचूक वाक्यरचना सांगा.

- Ans
- 1. गणपती कारायला शाळकरी वयातच माझे बाबा त्यांच्या शिकले होते.
 - 2. माझे बाबा त्यांच्या शाळकरी वयातच गणपती कारायला शिकले होते.
 - 3. गणपती त्यांच्या शाळकरी वयातच माझे बाबा कारायला शिकले होते.
 - 4. त्यांच्या शाळकरी वयातच होते माझे बाबा गणपती शिकले कारायला.

Question Type : MCQ

Question ID : 387868732

Option 1 ID : 3878682865

Option 2 ID : 3878682868

Option 3 ID : 3878682867

Option 4 ID : 3878682866

Status : Answered

Chosen Option : 2

Q.17 "घाऊक" शब्दाचा विरुद्धार्थी शब्द शोधा.

- Ans
- 1. किरकोळ
 - 2. सौम्य
 - 3. कायदेशीर
 - 4. विक्री

Question Type : MCQ

Question ID : 387868729

Option 1 ID : 3878682853

Option 2 ID : 3878682856

Option 3 ID : 3878682854

Option 4 ID : 3878682855

Status : Answered

Chosen Option : 1

Comprehension:

दिलेला उतारा वाचा आणि पुढील प्रश्नांची उत्तरे द्या

लंडनमध्ये सप्टेंबर, ऑक्टोबरनंतर जवळजवळ रोज पाऊस पडायचा, आणि माझ्या ओळखीचे सर्व लंडनवासी पावसाला शिथ्या देत असायचे. मला त्या पावसाची मोठी मौज वाटे. वाटेत चिखल नाही, मजेदार गारवा आणि 4,5 मैल चालूनही थकवा नाही. घरून वर्तमानपत्रे यायची, त्यात महाराष्ट्रातल्या दुष्काळाची वर्णने, नगरच्या लोकांची न संपणारी पाण्याची कटकट ! ---कोणी म्हणाले की तुम्ही कशा पावसाला कंटाळत नाही? मी उत्तर देई की, जगात कोठेतरी असा पाऊस पडतो व कायम हिरवेगार राहते याचे मला फार कौतुक वाटते.

नुसता पाऊसच नाही, तर लंडनची सर्वच सृष्टी इकडच्या उलटी. आपल्याकडे धुके म्हटले की काही तरी मजेदार संवेदना मनाला होते. पावसाने धुवून काढलेले प्रसन्न आकाश, सकाळची व संध्याकाळची पड्डे लागलेली थंडी, दहा मैल लांबचे दिसावे असे स्वच्छ वातावरण, आणि त्यात थोडा वेळ मात्र राहणारा, दृष्टीला चकवणारा धुक्याचा पडदा..... असे आपल्याकडेचे धुके. सकाळी उठून पहावे तर महाबळेश्वरी किंवा सिंहगडावर खालील दरी धुक्याने भरलेली असते--
तेवढ्यात सूर्य उगवावा, की त्या धुक्यावर इंद्रधनुष्ये उमटतात आणि थोडावेळ इतस्ततः पळून, सूर्य वर आला की धुके पार नाहीसे होऊन गवताच्या पातीपातींवर अनंत दवबिंदू कोटिसूर्य प्रतिबिंबित करतात.

लंडनचे धुके काही औरच असते. वर्षाचे 10 दिवस सुद्धा आकाश निरभ्र नसते.

SubQuestion No : 18

Q.18 'निरभ्र' चा अर्थ काय ?

- Ans
- 1. ढगाळ
 - 2. प्रसन्न
 - 3. गारवा
 - 4. ढग नसणारे

Question Type : MCQ

Question ID : 387868734

Option 1 ID : 3878682869

Option 2 ID : 3878682870

Option 3 ID : 3878682872

Option 4 ID : 3878682871

Status : Answered

Chosen Option : 4

Adda247

Comprehension:

दिलेला उतारा वाचा आणि पुढील प्रश्नांची उत्तरे द्या

लंडनमध्ये सप्टेंबर, ऑक्टोबरनंतर जवळजवळ रोज पाऊस पडायचा, आणि माझ्या ओळखीचे सर्व लंडनवासी पावसाला शिथ्या देत असायचे. मला त्या पावसाची मोठी मौज वाटे. वाटेत चिखल नाही, मजेदार गारवा आणि 4,5 मैल चालूनही थकवा नाही. घरून वर्तमानपत्रे यायची, त्यात महाराष्ट्रातल्या दुष्काळाची वर्णने, नगरच्या लोकांची न संपणारी पाण्याची कटकट ! ---कोणी म्हणाले की तुम्ही कशा पावसाला कंटाळत नाही? मी उत्तर देई की, जगात कोठेतरी असा पाऊस पडतो व कायम हिरवेगार राहते याचे मला फार कौतुक वाटते.

नुसता पाऊसच नाही, तर लंडनची सर्वच सृष्टी इकडच्या उलटी. आपल्याकडे धुके म्हटले की काही तरी मजेदार संवेदना मनाला होते. पावसाने धुवून काढलेले प्रसन्न आकाश, सकाळची व संध्याकाळची पड्डे लागलेली थंडी, दहा मैल लांबचे दिसावे असे स्वच्छ वातावरण, आणि त्यात थोडा वेळ मात्र राहणारा, दृष्टीला चकवणारा धुक्याचा पडदा..... असे आपल्याकडेचे धुके. सकाळी उठून पहावे तर महाबळेश्वरी किंवा सिंहगडावर खालील दरी धुक्याने भरलेली असते--
तेवढ्यात सूर्य उगवावा, की त्या धुक्यावर इंद्रधनुष्ये उमटतात आणि थोडावेळ इतस्ततः पळून, सूर्य वर आला की धुके पार नाहीसे होऊन गवताच्या पातीपातींवर अनंत दवबिंदू कोटिसूर्य प्रतिबिंबित करतात.

लंडनचे धुके काही औरच असते. वर्षाचे 10 दिवस सुद्धा आकाश निरभ्र नसते.

SubQuestion No : 19

Q.19 लंडनला असताना लेखिकेच्या घरच्या वर्तमानपत्रामध्ये कोणती बातमी यायची ?

- Ans
- 1. लंडनच्या पावसाची
 - 2. सिंहगडावरील धुक्याची
 - 3. गवताच्या पातींची
 - 4. महाराष्ट्रातल्या दुष्काळाची

Question Type : MCQ

Question ID : 387868736

Option 1 ID : 3878682878

Option 2 ID : 3878682877

Option 3 ID : 3878682879

Option 4 ID : 3878682880

Status : Answered

Chosen Option : 4

Adda247

Comprehension:

दिलेला उतारा वाचा आणि पुढील प्रश्नांची उत्तरे द्या

लंडनमध्ये सप्टेंबर, ऑक्टोबरनंतर जवळजवळ रोज पाऊस पडायचा, आणि माझ्या ओळखीचे सर्व लंडनवासी पावसाला शिथ्या देत असायचे. मला त्या पावसाची मोठी मौज वाटे. वाटेत चिखल नाही, मजेदार गारवा आणि 4,5 मैल चालूनही थकवा नाही. घरून वर्तमानपत्रे यायची, त्यात महाराष्ट्रातल्या दुष्काळाची वर्णने, नगरच्या लोकांची न संपणारी पाण्याची कटकट! ---कोणी म्हणाले की तुम्ही कशा पावसाला कंटाळत नाही? मी उत्तर देई की, जगात कोठेतरी असा पाऊस पडतो व कायम हिरवेगार राहते याचे मला फार कौतुक वाटते.

नुसता पाऊसच नाही, तर लंडनची सर्वच सृष्टी इकडच्या उलटी. आपल्याकडे धुके म्हटले की काही तरी मजेदार संवेदना मनाला होते. पावसाने धुवून काढलेले प्रसन्न आकाश, सकाळची व संध्याकाळची पड्डे लागलेली थंडी, दहा मैल लांबचे दिसावे असे स्वच्छ वातावरण, आणि त्यात थोडा वेळ मात्र राहणारा, दृष्टीला चकवणारा धुक्याचा पडदा..... असे आपल्याकडे धुके. सकाळी उठून पहावे तर महाबळेश्वरी किंवा सिंहगडावर खालील दरी धुक्याने भरलेली असते--
तेवढ्यात सूर्य उगवावा, की त्या धुक्यावर इंद्रधनुष्ये उमटतात आणि थोडावेळ इतस्ततः पळून, सूर्य वर आला की धुके पार नाहीसे होऊन गवताच्या पातीपातींवर अनंत दवबिंदू कोटिसूर्य प्रतिबिंबित करतात.

लंडनचे धुके काही औरच असते. वर्षाचे 10 दिवस सुद्धा आकाश निरभ्र नसते.

SubQuestion No : 20

Q.20 महाराष्ट्रात कोणत्या ठिकाणी धुके असते?

- Ans
- 1. नगर, लंडन
 - 2. नगर, पुणे
 - 3. लंडन, सिंहगड
 - 4. महाबळेश्वर, सिंहगड

Question Type : MCQ

Question ID : 387868735

Option 1 ID : 3878682876

Option 2 ID : 3878682873

Option 3 ID : 3878682875

Option 4 ID : 3878682874

Status : Answered

Chosen Option : 4

Section : General Knowledge

Q.21 ₹5 कोटी (ईशान्य क्षेत्रासाठी ₹2 कोटी) निधीच्या किमान निव्वळ मालकीसह नॉन-डिपॉझिट घेणारी आणि अर्हता मालमत्तेच्या स्वरूपात आपल्या मालमत्तेच्या किमान _____ असणारी NBFC अशी NBFC-MFI ची व्याख्या केली जाते..

- Ans
- 1. 55%
 - 2. 65%
 - 3. 85%
 - 4. 75%

Question Type : MCQ

Question ID : 387868741

Option 1 ID : 3878682897

Option 2 ID : 3878682898

Option 3 ID : 3878682900

Option 4 ID : 3878682899

Status : Answered

Chosen Option : 2

Q.22 मार्च 2022 मध्ये, मुंबईने '_____ पर्यंत शून्य कार्बन उत्सर्जनासाठी' तपशीलवार आराखडा जाहीर केला आणि असे लक्ष्य ठेवणारे ते दक्षिण आशियातील पहिले शहर ठरले.

- Ans 1. 2035
 2. 2050
 3. 2045
 4. 2040

Question Type : MCQ

Question ID : 387868739

Option 1 ID : 3878682891

Option 2 ID : 3878682892

Option 3 ID : 3878682889

Option 4 ID : 3878682890

Status : Answered

Chosen Option : 3

Q.23 भारताच्या राज्यघटनेनुसार, राज्य कार्यकारिणीचे विधितः अध्यक्ष कोण असतात?

- Ans 1. राज्याचे राज्यपाल
 2. राज्याच्या उच्च न्यायलयाचे मुख्य न्यायमूर्ती
 3. राज्याचे मुख्य सचिव
 4. राज्याचे मुख्यमंत्री

Question Type : MCQ

Question ID : 387868743

Option 1 ID : 3878682905

Option 2 ID : 3878682907

Option 3 ID : 3878682908

Option 4 ID : 3878682906

Status : Answered

Chosen Option : 4

Q.24 भारतीय राज्यघटनेच्या _____ मधील नियमांनुसार महाराष्ट्र वित्त आयोगाची स्थापना करण्यात आली आहे.

- Ans 1. अनुच्छेद 243 (P)
 2. अनुच्छेद 243 (K)
 3. अनुच्छेद 243 (I)
 4. अनुच्छेद 243 (ZA)

Question Type : MCQ

Question ID : 387868742

Option 1 ID : 3878682904

Option 2 ID : 3878682902

Option 3 ID : 3878682901

Option 4 ID : 3878682903

Status : Answered

Chosen Option : 2

Q.25 जून 2022 मध्ये नाटोने (NATO), नाटो (NATO) सदस्य आणि भागीदारांसह नौदल अभ्यास कुठे आयोजित केला होता?

- Ans 1. बाल्टिक समुद्र
 2. फिलिपिन समुद्र
 3. दक्षिण चिनी समुद्र
 4. साग्रासो समुद्र (Sargasso Sea)

Question Type : MCQ

Question ID : 387868737

Option 1 ID : 3878682884

Option 2 ID : 3878682882

Option 3 ID : 3878682881

Option 4 ID : 3878682883

Status : Answered

Chosen Option : 4

Q.26 पुढीलपैकी कोणत्या जिल्ह्यातून गोदावरी नदी वाहत नाही?

- Ans 1. सातारा
 2. अहमदनगर
 3. नाशिक
 4. नांदेड

Question Type : MCQ

Question ID : 387868744

Option 1 ID : 3878682912

Option 2 ID : 3878682911

Option 3 ID : 3878682909

Option 4 ID : 3878682910

Status : Answered

Chosen Option : 1

Q.27 2011 च्या जनगणनेनुसार पुढीलपैकी कोणत्या जिल्ह्याच्या लोकसंख्येची घनता सर्वात कमी होती?

- Ans 1. सिंधुदुर्ग
 2. वाशीम
 3. गडचिरोली
 4. हिंगोली

Question Type : MCQ

Question ID : 387868746

Option 1 ID : 3878682918

Option 2 ID : 3878682917

Option 3 ID : 3878682919

Option 4 ID : 3878682920

Status : Answered

Chosen Option : 3

Q.28 2021 च्या जागतिक हवा गुणवत्ता अहवालानुसार जगातील सर्वाधिक प्रदूषित शंभर शहरांच्या यादीत किती भारतीय शहरांचा समावेश आहे?

- Ans
- 1. 47
 - 2. 45
 - 3. 59
 - 4. 63

Question Type : MCQ

Question ID : 387868738

Option 1 ID : 3878682887

Option 2 ID : 3878682888

Option 3 ID : 3878682886

Option 4 ID : 3878682885

Status : Answered

Chosen Option : 3

Q.29 बँक प्रणालीच्या संदर्भात पुढीलपैकी कोणते विधान अयोग्य आहे?

- Ans
- 1. आरबीआय ज्या दराने व्यापारी बँकांना कर्ज देते त्याला रिटर्न्स रेपो दर म्हणतात.
 - 2. व्यापारी बँकेला कर्ज देताना मध्यवर्ती बँकेकडून आकारला जाणारा व्याज दर म्हणजे बँक दर.
 - 3. बँकेने बँकेकडे रोख राखीव म्हणून ठेवलेल्या ठेवीच्या टक्केवारीला रोख राखीव प्रमाण म्हणतात (Cash Reserve Ratio).
 - 4. सांविधिक तरलता प्रमाण (Statutory Liquidity Ratio) म्हणजे व्यापारी बँकेला रोख रक्कम, सोने किंवा इतर रोखींच्या रूपात ठेवीच्या किमान टक्केवारीचा संदर्भ दिला जातो.

Question Type : MCQ

Question ID : 387868740

Option 1 ID : 3878682895

Option 2 ID : 3878682896

Option 3 ID : 3878682893

Option 4 ID : 3878682894

Status : Answered

Chosen Option : 1

Q.30 महाराष्ट्रातील नाशिक जिल्ह्यात पुढीलपैकी कोणते शिखर आहे?

- Ans
- 1. तोरणा
 - 2. सिंहगड
 - 3. पुरंदर
 - 4. धोडप

Question Type : MCQ

Question ID : 387868745

Option 1 ID : 3878682914

Option 2 ID : 3878682916

Option 3 ID : 3878682915

Option 4 ID : 3878682913

Status : Answered

Chosen Option : 4

Q.31 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:

Some cats are dogs.
Some dogs are rats.

Conclusions:

I. Some dogs are cats.
II. Some rats are cats.
III. Some rats are dogs.

- Ans**
- 1. Both conclusions II and III follow.
 - 2. All conclusions I, II and III follow.
 - 3. Both conclusions I and II follow.
 - 4. Both conclusions I and III follow.

Question Type : **MCQ**

Question ID : **387868749**

Option 1 ID : **3878682931**

Option 2 ID : **3878682932**

Option 3 ID : **3878682930**

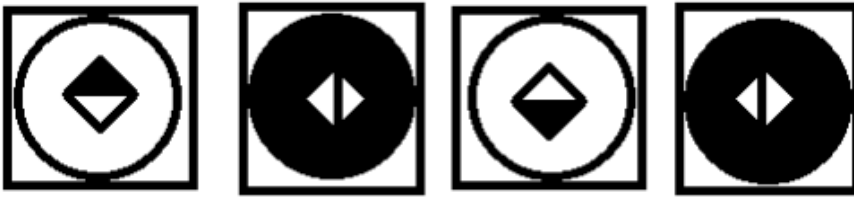
Option 4 ID : **3878682929**

Status : **Answered**

Chosen Option : **4**



Q.32 Select the figure that will come next in the following series.



Ans

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question Type : MCQ

Question ID : 387868756

Option 1 ID : 3878682959

Option 2 ID : 3878682957

Option 3 ID : 3878682958

Option 4 ID : 3878682960

Status : Answered

Chosen Option : 3

Q.33 If the first half of the given series is written in reverse and then all the letters of the resultant series are deleted, which number/symbol will appear in the middle of the series?

A, S, 4, 6, %, G, T, Y, 5, &, *, @, !, H, T, 5, 7, F, 3, W, 9, N, 4, G, &, T, 6, \$, H, %

Ans 1. 7

2. 4

3. %

4. 5

Question Type : MCQ

Question ID : 387868752

Option 1 ID : 3878682944

Option 2 ID : 3878682941

Option 3 ID : 3878682943

Option 4 ID : 3878682942

Status : Answered

Chosen Option : 4

Q.34 यामिनीने शैलेशची ओळख करून देताना असे म्हटले की, तो तिच्या एकुलत्या एका भावाच्या आईचा जावई आहे. तर शैलेशचे यामिनीशी काय नाते असेल?

Ans 1. अंकल

2. भाऊ

3. मुलगा

4. पती

Question Type : MCQ

Question ID : 387868755

Option 1 ID : 3878682955

Option 2 ID : 3878682954

Option 3 ID : 3878682956

Option 4 ID : 3878682953

Status : Answered

Chosen Option : 4

Q.35 In a certain code language, 'KITTY' is coded as 80 and 'EILLY' is coded as 58. How will 'JELLY' be coded in the same language?

Ans 1. 57

2. 64

3. 59

4. 63

Question Type : MCQ

Question ID : 387868754

Option 1 ID : 3878682952

Option 2 ID : 3878682950

Option 3 ID : 3878682949

Option 4 ID : 3878682951

Status : Answered

Chosen Option : 4

Q.36 If 13th February 2018 was Tuesday, what will be the day of the week on 13th February 2035?

- Ans
- 1. Friday
 - 2. Tuesday
 - 3. Monday
 - 4. Thursday

Question Type : MCQ
Question ID : 387868748
Option 1 ID : 3878682928
Option 2 ID : 3878682925
Option 3 ID : 3878682926
Option 4 ID : 3878682927
Status : Answered
Chosen Option : 1

Q.37 एका परीक्षेत मदनला प्रदिपपेक्षा कमी गुण मिळाले नाहीत. प्रदिपला हिरापेक्षा कमी गुण मिळाले. विराटला मदनएवढेच गुण मिळालेल्या तरूणपेक्षा जास्त गुण मिळाले आहेत. वर दिलेल्या माहितीच्या आधारे खालीलपैकी कोणता निष्कर्ष योग्य आहे?

- Ans
- 1. प्रदिप < विराट
 - 2. हिरा > मदन
 - 3. तरूण \geq हिरा
 - 4. मदन = विराट

Question Type : MCQ
Question ID : 387868750
Option 1 ID : 3878682933
Option 2 ID : 3878682936
Option 3 ID : 3878682935
Option 4 ID : 3878682934
Status : Answered
Chosen Option : 1

Q.38 Select the letter and number from the given options that when sequentially placed in the blanks of the given series will complete the series.

A, B, 5, E, C, 7, _, A, 11, D, _, B, Y, 25, Z, C, 35, A, X, 47

- Ans
- 1. B and 17
 - 2. Z and 15
 - 3. Y and 15
 - 4. Z and 17

Question Type : MCQ
Question ID : 387868751
Option 1 ID : 3878682938
Option 2 ID : 3878682940
Option 3 ID : 3878682937
Option 4 ID : 3878682939
Status : Answered
Chosen Option : 2

Q.39 Eight friends are sitting around a squared table. They all are facing the centre of the table. Four people are sitting on the four corners while the other four are sitting in the middle of the four sides. Raghav is sitting to the immediate right of Bheem who is sitting between Neena and Raghav. Chunmun is sitting in second place to the left of Bheem. Dhruv is immediate left of Veer who is sitting in second place to the right of Raghav. Chunmun is sitting opposite Dhruv. Neena is neither sitting at the right place of Raman nor at the front of Koli. Raman is sitting diagonally in front of Raghav. Who is seating opposite Bheem?

- Ans**
- 1. Dhruv
 - 2. Koli
 - 3. Neena
 - 4. Veer

Question Type : **MCQ**
Question ID : **387868747**
Option 1 ID : **3878682923**
Option 2 ID : **3878682924**
Option 3 ID : **3878682921**
Option 4 ID : **3878682922**
Status : **Answered**
Chosen Option : **3**

Q.40 A team consisting of six members has to be formed by choosing members from six females L, M, N, O, P and Q and six male players U, V, W, X, Y and Z.

The team must be meeting the following criteria.

1. There must be at least three male players in the team.
2. If player M is chosen then player W must also be chosen.
3. If player Q and/or player X are taken into the team, player N and/or player O cannot be selected and vice-versa.
4. Player P and player Y have to be chosen together.
5. Player O and player W cannot come together in the team.
6. Player L can be selected only if player X is also selected and vice-versa.

Which of the following teams can be formed?

- Ans**
- 1. ONWPVY
 - 2. MPLXQW
 - 3. QUWMOV
 - 4. YLWXMP

Question Type : **MCQ**
Question ID : **387868753**
Option 1 ID : **3878682948**
Option 2 ID : **3878682946**
Option 3 ID : **3878682945**
Option 4 ID : **3878682947**
Status : **Answered**
Chosen Option : **4**

Q.41 Short-term deflection of pre-stressed concrete beams is estimated by _____.

- Ans
- 1. Mohr's theory
 - 2. Euler's theory
 - 3. Rankine's theory
 - 4. Hook's law

Question Type : MCQ

Question ID : 387868784

Option 1 ID : 3878683069

Option 2 ID : 3878683071

Option 3 ID : 3878683070

Option 4 ID : 3878683072

Status : Answered

Chosen Option : 2

Q.42 Which of the following chemical compounds is a Bogue's compound present in cement and is responsible for the strength of cement?

- Ans
- 1. $5 \text{ CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{K}_2\text{O}$
 - 2. $2 \text{ CaO} \cdot \text{SiO}_2 \cdot \text{Fe}_2\text{O}_3$
 - 3. $2 \text{ CaO} \cdot \text{SiO}_3$
 - 4. $3 \text{ CaO} \cdot \text{SiO}_2$

Question Type : MCQ

Question ID : 387868773

Option 1 ID : 3878683027

Option 2 ID : 3878683025

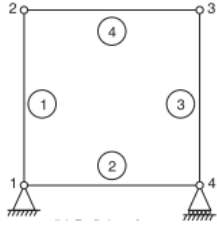
Option 3 ID : 3878683028

Option 4 ID : 3878683026

Status : Answered

Chosen Option : 4

Q.43 Identify the type of truss shown in the figure below, based on the degree of redundancy.
Consider that truss is supported with roller type at Joint 4 and hinged type at Joint 1.



- Ans**
- 1. Perfect truss
 - 2. Redundant truss
 - 3. Rigid truss
 - 4. Deficient truss

Question Type : **MCQ**

Question ID : **387868767**

Option 1 ID : **3878683001**

Option 2 ID : **3878683003**

Option 3 ID : **3878683004**

Option 4 ID : **3878683002**

Status : **Answered**

Chosen Option : **4**

Q.44 What is the provision given in IS 456-2000 for the design shear strength of concrete applicable for?

- Ans**
- 1. One-way shear only
 - 2. This is not specifically mentioned in IS 456-2000.
 - 3. Two-way shear only
 - 4. Both one-way shear and two-way shear

Question Type : **MCQ**

Question ID : **387868778**

Option 1 ID : **3878683045**

Option 2 ID : **3878683048**

Option 3 ID : **3878683046**

Option 4 ID : **3878683047**

Status : **Answered**

Chosen Option : **4**

Q.45 Which of the following rock types is classified as metamorphic rock?

- Ans
- 1. Breccia
 - 2. Sandstone
 - 3. Limestone
 - 4. Gneiss

Question Type : MCQ

Question ID : 387868757

Option 1 ID : 3878682961

Option 2 ID : 3878682963

Option 3 ID : 3878682964

Option 4 ID : 3878682962

Status : Answered

Chosen Option : 4

Q.46 In which type of estimate should each item of the project be broken down into its parts and estimated?

- Ans
- 1. Detailed estimate
 - 2. Model estimating
 - 3. Assembly estimating
 - 4. Square foot estimate

Question Type : MCQ

Question ID : 387868796

Option 1 ID : 3878683118

Option 2 ID : 3878683120

Option 3 ID : 3878683117

Option 4 ID : 3878683119

Status : Answered

Chosen Option : 1

Q.47 Which of the following methods of road construction proposes that heavy foundation stones are not at all necessary to be placed at the bottom layer of the road and that the sub-grade shall be compacted and prepared with a cross slope of 1 in 36?

- Ans
- 1. Macadam construction
 - 2. Metcalf construction
 - 3. Tresaguet construction
 - 4. Telford construction

Question Type : MCQ

Question ID : 387868810

Option 1 ID : 3878683173

Option 2 ID : 3878683176

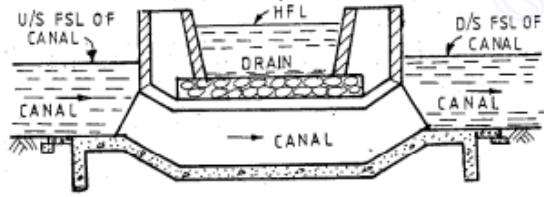
Option 3 ID : 3878683175

Option 4 ID : 3878683174

Status : Answered

Chosen Option : 1

Q.48 Identify the cross drainage work shown in the figure below.



- Ans 1. Canal siphon
 2. Super passage
 3. Level crossing
 4. Aqueduct

Question Type : MCQ

Question ID : 387868800

Option 1 ID : 3878683134

Option 2 ID : 3878683133

Option 3 ID : 3878683136

Option 4 ID : 3878683135

Status : Answered

Chosen Option : 1

Q.49 Find the total depth (Δ) of the water required for a crop if the duty for a base period of 2400 hours is 900 hectares/cumec.

- Ans 1. 96 cm
 2. 112 cm
 3. 105 cm
 4. 80 cm

Question Type : MCQ

Question ID : 387868797

Option 1 ID : 3878683122

Option 2 ID : 3878683124

Option 3 ID : 3878683123

Option 4 ID : 3878683121

Status : Answered

Chosen Option : 3

Q.50 According to the PIEV theory, the time required for the driver to understand the situation, compare different thoughts, re-group and register new sensations during driving a vehicle on road is called _____.

- Ans**
- 1. emotion time
 - 2. intellection time
 - 3. volition time
 - 4. perception time

Question Type : **MCQ**
Question ID : **387868809**
Option 1 ID : **3878683171**
Option 2 ID : **3878683170**
Option 3 ID : **3878683172**
Option 4 ID : **3878683169**
Status : **Answered**
Chosen Option : **2**

Q.51 Which of the below-mentioned statements is/are correct?

Statement A: Natural processes convert carbon monoxide into some other compounds that are not harmful.

Statement B: Carbon monoxide is a permanent air pollutant.

- Ans**
- 1. Both the statements are incorrect.
 - 2. Both the statements are correct.
 - 3. Statement B is correct and Statement A is incorrect.
 - 4. Statement A is correct and Statement B is incorrect.

Question Type : **MCQ**
Question ID : **387868815**
Option 1 ID : **3878683196**
Option 2 ID : **3878683195**
Option 3 ID : **3878683194**
Option 4 ID : **3878683193**
Status : **Answered**
Chosen Option : **3**

Q.52 As per IS 4954-1968, what is the acceptable outdoor noise level in residential areas in cities?

- Ans**
- 1. 75 dB to 85 dB
 - 2. 80 dB to 100 dB
 - 3. 45 dB to 55 dB
 - 4. 60 dB to 70 dB

Question Type : **MCQ**
Question ID : **387868816**
Option 1 ID : **3878683200**
Option 2 ID : **3878683199**
Option 3 ID : **3878683197**
Option 4 ID : **3878683198**
Status : **Answered**
Chosen Option : **4**

Q.53 If the latitude and departure of a survey line are negative, the whole circle bearing of the same line will be between _____.

- Ans**
- 1. 90° and 180°
 - 2. 0° and 90°
 - 3. 270° and 360°
 - 4. 180° and 270°

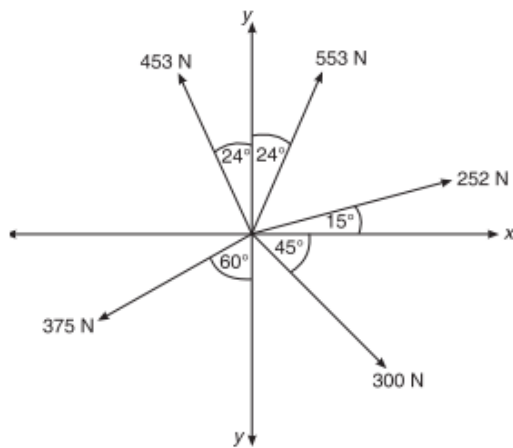
Question Type : **MCQ**
Question ID : **387868790**
Option 1 ID : **3878683094**
Option 2 ID : **3878683093**
Option 3 ID : **3878683096**
Option 4 ID : **3878683095**
Status : **Answered**
Chosen Option : **4**

Q.54 Addition of air-entraining admixtures to concrete will:

- Ans**
- 1. decrease the workability of concrete
 - 2. increase the density of concrete
 - 3. increase the resistance of concrete to freezing and thawing effects
 - 4. cause segregation and bleeding in concrete

Question Type : **MCQ**
Question ID : **387868775**
Option 1 ID : **3878683036**
Option 2 ID : **3878683033**
Option 3 ID : **3878683035**
Option 4 ID : **3878683034**
Status : **Answered**
Chosen Option : **3**

Q.55 Identify the type of force system shown in the figure below.



- Ans
- 1. Non-concurrent force system
 - 2. Coplanar force system
 - 3. Parallel force system
 - 4. Collinear force system

Question Type : MCQ

Question ID : 387868760

Option 1 ID : 3878682974

Option 2 ID : 3878682973

Option 3 ID : 3878682975

Option 4 ID : 3878682976

Status : Answered

Chosen Option : 2

Q.56 Bulk modulus of a fluid is the ratio of ____.

- Ans
- 1. shear stress to shear strain
 - 2. volumetric stress to volumetric strain
 - 3. normal stress to normal strain
 - 4. the increase in pressure to the volumetric strain

Question Type : MCQ

Question ID : 387868802

Option 1 ID : 3878683141

Option 2 ID : 3878683144

Option 3 ID : 3878683142

Option 4 ID : 3878683143

Status : Answered

Chosen Option : 4

Q.57 Calculate the quantity of earthwork using the mean sectional area method for a portion of a road. Height of the banks at the two ends of the road is 2 m and 3 m; formation width = 10 m; length = 40 m and side slopes = 2 : 1 (H : V).

- Ans**
- 1. 1250 m³
 - 2. 1375 m³
 - 3. 1770 m³
 - 4. 1520 m³

Question Type : **MCQ**

Question ID : **387868795**

Option 1 ID : **3878683113**

Option 2 ID : **3878683115**

Option 3 ID : **3878683116**

Option 4 ID : **3878683114**

Status : **Answered**

Chosen Option : **2**

Q.58 A certain crop is grown in an area of 3000 hectares, which is fed by a canal system. The data pertaining to irrigation is as follows:

1. Field capacity of soil = 30%
2. Optimum moisture = 15%
3. Effective depth of root zone = 80 cm
4. Relative density of soil = 1.400

If the frequency of irrigation is 10 days and permanent wilting point = 10%, then find the daily consumptive use.

- Ans**
- 1. 36.2 mm
 - 2. 7.6 mm
 - 3. 16.8 mm
 - 4. 29.4 mm

Question Type : **MCQ**

Question ID : **387868798**

Option 1 ID : **3878683128**

Option 2 ID : **3878683125**

Option 3 ID : **3878683126**

Option 4 ID : **3878683127**

Status : **Answered**

Chosen Option : **2**

Q.59 As per IS 10500, what is the maximum acceptable limit of boron content in drinking water?

- Ans**
- ✓ 1. 0.5 mg/l
 - ✗ 2. 10 mg/l
 - ✗ 3. 0.1 mg/l
 - ✗ 4. 100 mg/l

Question Type : **MCQ**

Question ID : **387868814**

Option 1 ID : **3878683190**

Option 2 ID : **3878683191**

Option 3 ID : **3878683189**

Option 4 ID : **3878683192**

Status : **Answered**

Chosen Option : **3**

Q.60 Calculate the tangent length of a simple circular curve if its radius is 500 m and the deflection angle is 90° .

- Ans**
- ✗ 1. 325 m
 - ✓ 2. 500 m
 - ✗ 3. 750 m
 - ✗ 4. 250 m

Question Type : **MCQ**

Question ID : **387868792**

Option 1 ID : **3878683102**

Option 2 ID : **3878683103**

Option 3 ID : **3878683104**

Option 4 ID : **3878683101**

Status : **Answered**

Chosen Option : **2**

Adda247

Q.61 Which of the following expressions is correct to calculate equilibrium super elevation in roads?

Here, 'e' is the rate of super elevation, 'f' is the design value of lateral friction, 'V' is the speed of the vehicle (in m/s), 'R' is the radius of the curve (in m) and 'g' is the acceleration due to gravity.

Ans

✗ 1. $e + f = \frac{V^3}{2gR}$

✓ 2. $e + f = \frac{V^2}{gR}$

✗ 3. $e + f = \frac{V}{2gR}$

✗ 4. $e + f = \frac{V^2}{2gR}$

Question Type : **MCQ**

Question ID : **387868812**

Option 1 ID : **3878683184**

Option 2 ID : **3878683181**

Option 3 ID : **3878683183**

Option 4 ID : **3878683182**

Status : **Answered**

Chosen Option : **4**

Q.62 Which of the following tests is used to determine the wear resistance of coarse aggregates?

Ans

✓ 1. Los Angeles abrasion value test

✗ 2. Roughness value test

✗ 3. Impact value test

✗ 4. Crushing value test

Question Type : **MCQ**

Question ID : **387868774**

Option 1 ID : **3878683031**

Option 2 ID : **3878683029**

Option 3 ID : **3878683032**

Option 4 ID : **3878683030**

Status : **Answered**

Chosen Option : **1**

Q.63 The instruments such as Venturi meter, current meter and piezometer measure _____, respectively.

- Ans
- 1. flow pressure, flow rate and flow velocity
 - 2. flow velocity, flow rate and flow pressure
 - 3. flow pressure, flow velocity and flow rate
 - 4. flow rate, flow velocity and flow pressure

Question Type : MCQ
Question ID : 387868804
Option 1 ID : 3878683151
Option 2 ID : 3878683152
Option 3 ID : 3878683150
Option 4 ID : 3878683149
Status : Answered
Chosen Option : 4

Q.64 _____ is the unit of measurement used for estimating the quantity of earth filling in plinth.

- Ans
- 1. Square metres
 - 2. Running metre
 - 3. Cubic metres
 - 4. Tonne

Question Type : MCQ
Question ID : 387868793
Option 1 ID : 3878683106
Option 2 ID : 3878683105
Option 3 ID : 3878683108
Option 4 ID : 3878683107
Status : Answered
Chosen Option : 3

Q.65 The load-carrying mechanism in the web of a plate girder post-buckling is analogous to:

- Ans
- 1. N-truss
 - 2. simple truss
 - 3. a truss
 - 4. K-truss

Question Type : MCQ
Question ID : 387868772
Option 1 ID : 3878683023
Option 2 ID : 3878683022
Option 3 ID : 3878683021
Option 4 ID : 3878683024
Status : Answered
Chosen Option : 4

Q.66 Which of the below-mentioned statements with respect to Hooke's law on stresses and strains developed in objects is/are correct?

Statement A: Hooke's law is applicable to the objects subjected to tensile or compressive stresses up to a certain limit.

Statement B: When a material is loaded, the ratio of the intensity of stress to the corresponding strain is called Young's modulus.

- Ans**
- 1. Statement B is correct and Statement A is incorrect.
 - 2. Both the statements are incorrect.
 - 3. Both the statements are correct.
 - 4. Statement A is correct and Statement B is incorrect.

Question Type : **MCQ**
Question ID : **387868764**
Option 1 ID : **3878682990**
Option 2 ID : **3878682992**
Option 3 ID : **3878682991**
Option 4 ID : **3878682989**
Status : **Answered**
Chosen Option : **3**

Q.67 Which of the following structural elements is classified as an indeterminate structure?

- Ans**
- 1. Cantilever beam
 - 2. Three hinged arch
 - 3. Simply supported beam
 - 4. Continuous beam

Question Type : **MCQ**
Question ID : **387868791**
Option 1 ID : **3878683097**
Option 2 ID : **3878683099**
Option 3 ID : **3878683100**
Option 4 ID : **3878683098**
Status : **Answered**
Chosen Option : **4**

Q.68 The unit of coefficient of permeability is usually expressed in:

- Ans**
- 1. kN/cm^2
 - 2. m/day
 - 3. m^2/kN
 - 4. mm^2/s

Question Type : **MCQ**
Question ID : **387868805**
Option 1 ID : **3878683154**
Option 2 ID : **3878683153**
Option 3 ID : **3878683156**
Option 4 ID : **3878683155**
Status : **Answered**
Chosen Option : **2**

Q.69 The strain distribution in the limit state design of pre-stressed concrete structures is assumed to be _____.

- Ans
- 1. parabolic till neutral axis and then, linear
 - 2. linear
 - 3. parabolic
 - 4. rectangular till neutral axis and then, zero

Question Type : MCQ

Question ID : 387868782

Option 1 ID : 3878683063

Option 2 ID : 3878683061

Option 3 ID : 3878683062

Option 4 ID : 3878683064

Status : Answered

Chosen Option : 2

Q.70 As per IRC specifications, what is the minimum width of single-lane roads with raised kerbs?

- Ans
- 1. 3.5 m
 - 2. 2.44 m
 - 3. 3.0 m
 - 4. 3.75 m

Question Type : MCQ

Question ID : 387868811

Option 1 ID : 3878683180

Option 2 ID : 3878683178

Option 3 ID : 3878683177

Option 4 ID : 3878683179

Status : Answered

Chosen Option : 4

Q.71 Which of the following survey types follows operations such as radiation, intersection, traversing and resection?

- Ans
- 1. Tacheometric surveying
 - 2. Chain surveying
 - 3. Plane table surveying
 - 4. Compass surveying

Question Type : MCQ

Question ID : 387868789

Option 1 ID : 3878683092

Option 2 ID : 3878683089

Option 3 ID : 3878683091

Option 4 ID : 3878683090

Status : Answered

Chosen Option : 3

Q.72 Which of the following members is an example of a post-tensioned structure?

- Ans
- 1. Bridge girder
 - 2. Electric pole
 - 3. Partition wall
 - 4. Railway sleeper

Question Type : MCQ

Question ID : 387868783

Option 1 ID : 3878683068

Option 2 ID : 3878683065

Option 3 ID : 3878683067

Option 4 ID : 3878683066

Status : Answered

Chosen Option : 1

Q.73 Which of the following expressions is correct, to compute the moment of inertia of a rectangular lamina ABCD, about an axis parallel to base AB and passing through the centroid?

Consider base width AB = b mm and depth AD = d mm.

- Ans
- 1. $\frac{bd^3}{36} \text{ mm}^4$
 - 2. $\frac{bd^3}{12} \text{ mm}^4$
 - 3. $\frac{bd^3}{16} \text{ mm}^4$
 - 4. $\frac{bd^3}{3} \text{ mm}^4$

Question Type : MCQ

Question ID : 387868763

Option 1 ID : 3878682987

Option 2 ID : 3878682986

Option 3 ID : 3878682988

Option 4 ID : 3878682985

Status : Answered

Chosen Option : 4

Q.74 What is meant by optimum water content?

- Ans
- 1. Water content corresponding to field density
 - 2. Water content corresponding to the maximum dry density
 - 3. Water content corresponding to the minimum dry density
 - 4. Water content corresponding to zero air voids

Question Type : MCQ
Question ID : 387868807
Option 1 ID : 3878683164
Option 2 ID : 3878683161
Option 3 ID : 3878683163
Option 4 ID : 3878683162
Status : Answered
Chosen Option : 1

Q.75 _____ is the method of population forecast, which assumes that the percentage increase in population from decade to decade is constant.

- Ans
- 1. Incremental increase method
 - 2. Geometrical increase method
 - 3. Arithmetic increase method
 - 4. Subtractive decrease method

Question Type : MCQ
Question ID : 387868813
Option 1 ID : 3878683187
Option 2 ID : 3878683188
Option 3 ID : 3878683185
Option 4 ID : 3878683186
Status : Answered
Chosen Option : 2

Q.76 Which of the following equipment is more suitable to lift concrete to a greater height in multi-storeyed buildings?

- Ans
- 1. Skip and hoist
 - 2. Transit mixers
 - 3. Wheel barrow
 - 4. Belt conveyors

Question Type : MCQ
Question ID : 387868776
Option 1 ID : 3878683038
Option 2 ID : 3878683037
Option 3 ID : 3878683039
Option 4 ID : 3878683040
Status : Answered
Chosen Option : 1

Q.77 If a uniformly varying load with a certain varying intensity is acting on a beam for a particular span, the variation (shape) of the bending moment will be _____.

- Ans**
- 1. parabolic
 - 2. cubic parabola
 - 3. linear
 - 4. semicircular

Question Type : **MCQ**
Question ID : **387868765**
Option 1 ID : **3878682994**
Option 2 ID : **3878682995**
Option 3 ID : **3878682993**
Option 4 ID : **3878682996**
Status : **Answered**
Chosen Option : **2**

Q.78 In fluids, potential flow is also known as:

- Ans**
- 1. steady flow
 - 2. irrotational flow
 - 3. unsteady flow
 - 4. uniform flow

Question Type : **MCQ**
Question ID : **387868803**
Option 1 ID : **3878683146**
Option 2 ID : **3878683147**
Option 3 ID : **3878683148**
Option 4 ID : **3878683145**
Status : **Answered**
Chosen Option : **4**

Q.79 The total residual shrinkage strain due to shrinkage of concrete in a pre-tensioned member is _____.

- Ans**
- 1. 5.5×10^{-4}
 - 2. 3×10^{-4}
 - 3. 4.5×10^{-4}
 - 4. 6.5×10^{-4}

Question Type : **MCQ**
Question ID : **387868781**
Option 1 ID : **3878683059**
Option 2 ID : **3878683057**
Option 3 ID : **3878683058**
Option 4 ID : **3878683060**
Status : **Answered**
Chosen Option : **2**

Q.80 Stoke is the unit of _____.

- Ans
- ✓ 1. kinematic viscosity in the CGS system of units
 - ✗ 2. kinetic viscosity in the SI system of units
 - ✗ 3. pressure of fluid in the SI system of units
 - ✗ 4. bulk modulus of fluid in the CGS system of units

Question Type : MCQ
Question ID : 387868801
Option 1 ID : 3878683137
Option 2 ID : 3878683138
Option 3 ID : 3878683140
Option 4 ID : 3878683139
Status : Answered
Chosen Option : 1

Q.81 A load of magnitude 100 kN crosses a simply supported beam of span 10 m. Calculate the maximum positive and negative shear force, respectively, at a section 4 m from the left end support.

- Ans
- ✓ 1. 60 kN; 40 kN
 - ✗ 2. 25 kN; 75 kN
 - ✗ 3. 30 kN; 70 kN
 - ✗ 4. 70 kN; 30 kN

Question Type : MCQ
Question ID : 387868769
Option 1 ID : 3878683011
Option 2 ID : 3878683010
Option 3 ID : 3878683012
Option 4 ID : 3878683009
Status : Answered
Chosen Option : 1

Q.82 Which of the below-mentioned statements with respect to network planning techniques used for project management is/are correct?

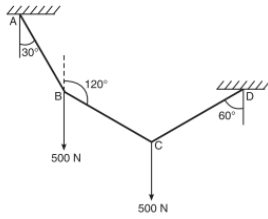
Statement A: An event consumes neither time nor resources.

Statement B: An activity requires both time and resources for its completion.

- Ans
- ✓ 1. Both the statements are correct.
 - ✗ 2. Both the statements are incorrect.
 - ✗ 3. Statement A is correct and Statement B is incorrect.
 - ✗ 4. Statement B is correct and Statement A is incorrect.

Question Type : MCQ
Question ID : 387868785
Option 1 ID : 3878683075
Option 2 ID : 3878683076
Option 3 ID : 3878683073
Option 4 ID : 3878683074
Status : Answered
Chosen Option : 1

Q.83 A string ABCD is subjected to two-point loads as shown in the figure. Calculate the tension force in segment CD.



- Ans**
- 1. 386.6 N
 - 2. 424.4 N
 - 3. 250 N
 - 4. 500 N

Question Type : **MCQ**

Question ID : **387868761**

Option 1 ID : **3878682977**

Option 2 ID : **3878682978**

Option 3 ID : **3878682980**

Option 4 ID : **3878682979**

Status : **Answered**

Chosen Option : 1

Q.84 Which of the below-mentioned statements with respect to Euler's column theory is/are correct?

Statement A: The effect of direct stresses is neglected in the equation derived by Euler, which is used to study the stability of long columns.

Statement B: Euler's formula can be used in case of short columns.

- Ans**
- 1. Statement B is correct and Statement A is incorrect.
 - 2. Both the statements are correct.
 - 3. Both the statements are incorrect.
 - 4. Statement A is correct and Statement B is incorrect.

Question Type : **MCQ**

Question ID : **387868766**

Option 1 ID : **3878682998**

Option 2 ID : **3878682999**

Option 3 ID : **3878683000**

Option 4 ID : **3878682997**

Status : **Answered**

Chosen Option : 4

Q.85 In which type of canal outlets is the discharge constant and fixed within limits, irrespective of fluctuations in water levels of either the distributary or the water course?

- Ans**
- 1. Flexible outlets
 - 2. Modular outlets
 - 3. Non-modular outlets
 - 4. Semi-modular outlets

Question Type : **MCQ**

Question ID : **387868799**

Option 1 ID : **3878683131**

Option 2 ID : **3878683132**

Option 3 ID : **3878683129**

Option 4 ID : **3878683130**

Status : **Answered**

Chosen Option : **3**

Q.86 Seepage pressure always acts _____.

- Ans**
- 1. at 45° to the direction of flow
 - 2. normal to the direction of flow
 - 3. opposite to the direction of flow
 - 4. in the direction of flow

Question Type : **MCQ**

Question ID : **387868808**

Option 1 ID : **3878683168**

Option 2 ID : **3878683165**

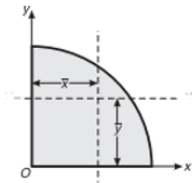
Option 3 ID : **3878683167**

Option 4 ID : **3878683166**

Status : **Answered**

Chosen Option : **2**

Q.87 A quarter of a circular lamina with radius $r = 45$ mm is shown in the figure below. The location of the centroid measured with respect to its diametric X-axis is at a distance of _____ mm.



- Ans
- 1. 45π
 - 2. $\frac{45}{\pi}$
 - 3. $\frac{60}{\pi}$
 - 4. 60π

Question Type : MCQ

Question ID : 387868762

Option 1 ID : 3878682982

Option 2 ID : 3878682983

Option 3 ID : 3878682981

Option 4 ID : 3878682984

Status : Answered

Chosen Option : 3

Q.88 The coefficient of permeability and coefficient of percolation of a soil are 1×10^{-3} cm/s and 2×10^{-3} cm/s, respectively. What will be the void ratio of the soil sample?

- Ans
- 1. 1
 - 2. 0.4
 - 3. 2.5
 - 4. 0.5

Question Type : MCQ

Question ID : 387868806

Option 1 ID : 3878683157

Option 2 ID : 3878683160

Option 3 ID : 3878683158

Option 4 ID : 3878683159

Status : Answered

Chosen Option : 4

Q.89 Which of the below-mentioned statements is/are correct?

Statement A: If the total float and duration of an activity are 5 days and 20 days, respectively, the particular activity should be finished within 25 days.

Statement B: If the total float and duration of an activity are 5 days and 15 days, respectively, the particular activity can be completed 15 days later.

- Ans**
- 1. Statement A is correct and Statement B is incorrect.
 - 2. Both the statements are incorrect.
 - 3. Both the statements are correct.
 - 4. Statement B is correct and Statement A is incorrect.

Question Type : **MCQ**

Question ID : **387868786**

Option 1 ID : **3878683077**

Option 2 ID : **3878683080**

Option 3 ID : **3878683079**

Option 4 ID : **3878683078**

Status : **Answered**

Chosen Option : **3**

Q.90 The maximum deflection due to load in reinforced cement concrete beams is limited to ____.

- Ans**
- 1. $\frac{span}{250}$
 - 2. $\frac{span}{300}$
 - 3. $\frac{span}{150}$
 - 4. $\frac{span}{50}$

Question Type : **MCQ**

Question ID : **387868780**

Option 1 ID : **3878683056**

Option 2 ID : **3878683054**

Option 3 ID : **3878683055**

Option 4 ID : **3878683053**

Status : **Answered**

Chosen Option : **1**

Q.91 Calculate the combined correction for curvature and refraction for a distance of 3 km.

- Ans
- 1. 1.760 m
 - 2. 0.859m
 - 3. 0.605 m
 - 4. 0.236 m

Question Type : MCQ

Question ID : 387868779

Option 1 ID : 3878683052

Option 2 ID : 3878683051

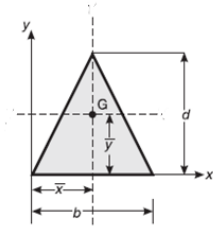
Option 3 ID : 3878683050

Option 4 ID : 3878683049

Status : Answered

Chosen Option : 4

Q.92 A triangular lamina with base width $b = 40$ mm and height $d = 60$ mm is shown in the figure below. The location of the centroid measured with respect to its apex is at a distance of _____.



- Ans
- 1. 30.00 mm
 - 2. 40.00 mm
 - 3. 33.33 mm
 - 4. 20.00 mm

Question Type : MCQ

Question ID : 387868788

Option 1 ID : 3878683087

Option 2 ID : 3878683086

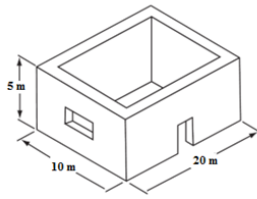
Option 3 ID : 3878683088

Option 4 ID : 3878683085

Status : Answered

Chosen Option : 2

Q.93 What is the total area of raking out and re-pointing operations for external walls of the building shown below? Ignore the deductions for door and window openings.



- Ans
- 1. 200 m²
 - 2. 150 m²
 - 3. 300 m²
 - 4. 400 m²

Question Type : MCQ

Question ID : 387868794

Option 1 ID : 3878683109

Option 2 ID : 3878683110

Option 3 ID : 3878683111

Option 4 ID : 3878683112

Status : Answered

Chosen Option : 3

Q.94 A typical beam-column member in a framed structure is subjected to _____.

- Ans
- 1. axial tension only
 - 2. axial compression only
 - 3. axial tension and compression
 - 4. axial compression and bending

Question Type : MCQ

Question ID : 387868771

Option 1 ID : 3878683018

Option 2 ID : 3878683017

Option 3 ID : 3878683020

Option 4 ID : 3878683019

Status : Answered

Chosen Option : 3

Q.95 According to IS 456-2000, the maximum area of compression reinforcement in rectangular beams shall NOT exceed _____.

- Ans**
- 1. 1% of the total cross-sectional area
 - 2. 6% of the total cross-sectional area
 - 3. 4% of the total cross-sectional area
 - 4. 8% of the total cross-sectional area

Question Type : **MCQ**
Question ID : **387868777**
Option 1 ID : **3878683041**
Option 2 ID : **3878683043**
Option 3 ID : **3878683042**
Option 4 ID : **3878683044**
Status : **Answered**
Chosen Option : **3**

Q.96 Which of the following beam types has the minimum number of redundancies?

- Ans**
- 1. Propped cantilever beam
 - 2. Cantilever beam
 - 3. Two-hinged arch
 - 4. Fixed-support beam

Question Type : **MCQ**
Question ID : **387868768**
Option 1 ID : **3878683005**
Option 2 ID : **3878683007**
Option 3 ID : **3878683006**
Option 4 ID : **3878683008**
Status : **Answered**
Chosen Option : **4**

Q.97 Which of the following welds is specified by penetration depth?

- Ans**
- 1. Plug weld
 - 2. Fillet weld
 - 3. Butt weld
 - 4. Slot weld

Question Type : **MCQ**
Question ID : **387868770**
Option 1 ID : **3878683016**
Option 2 ID : **3878683014**
Option 3 ID : **3878683013**
Option 4 ID : **3878683015**
Status : **Answered**
Chosen Option : **2**

Q.98 Which of the following IS codes provide 'safety standards during excavation'?

- Ans
- 1. IS 1121 : 1992
 - 2. IS 3764 : 1992
 - 3. IS 3696 : 1992
 - 4. IS 2386 : 1992

Question Type : MCQ
Question ID : 387868787
Option 1 ID : 3878683083
Option 2 ID : 3878683082
Option 3 ID : 3878683081
Option 4 ID : 3878683084
Status : Answered
Chosen Option : 4

Q.99 A good brick-earth should contain about _____ of silica.

- Ans
- 1. 20% to 25%
 - 2. 1% to 5%
 - 3. 90% to 94%
 - 4. 50% to 60%

Question Type : MCQ
Question ID : 387868758
Option 1 ID : 3878682966
Option 2 ID : 3878682965
Option 3 ID : 3878682968
Option 4 ID : 3878682967
Status : Answered
Chosen Option : 4

Q.100 Which of the following cement types can be stored in cold weather conditions, for a longer duration (comparatively), without getting its desirable properties impaired?

- Ans
- 1. Ordinary Portland cement
 - 2. Rapid hardening Portland cement
 - 3. Quick set cement
 - 4. Hydrophobic cement

Question Type : MCQ
Question ID : 387868759
Option 1 ID : 3878682971
Option 2 ID : 3878682972
Option 3 ID : 3878682969
Option 4 ID : 3878682970
Status : Answered
Chosen Option : 4