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(भारत सरकार का उद्यम)  
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Participant ID	
Participant Name	
Test Center Name	
Test Date	17/12/2020
Test Time	1:00 PM - 3:00 PM
Subject	DIPLOMA TRAINEE (CIVIL)

Section : Unit-1: General English

Q.1 Parts of a sentence are given in jumbled order. Arrange the parts in the right order to form a meaningful sentence.

- A : expectation of a reward  
B : it is often said that  
C : duty without the  
D : one should do one's

- Ans ☒ 1. BDCA  
☒ 2. BCDA  
☒ 3. CABD  
☒ 4. DCAB

Question ID : 600929911  
Status : Not Answered  
Chosen Option : -

Q.2 Parts of a sentence are given in jumbled order. Arrange the parts in the right order to form a meaningful sentence.

- A : of the day over  
B : of the happenings  
C : a diary is a record  
D : period of time

- Ans ☒ 1. CBAD  
☒ 2. BADC  
☒ 3. CABD  
☒ 4. ADBC

Question ID : 600929910  
Status : Not Answered  
Chosen Option : -

Q.3 From the options given below choose the proper suitable Articles and fill in the blanks.

We went to \_\_\_\_ cinema and saw \_\_\_\_ very funny movie. We really had a good time!

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

Question ID : 600929898  
Status : Answered  
Chosen Option : 3

Q.4 From the options given below choose the proper suitable prepositions and fill in the blanks.

In his autobiography he refers \_\_\_\_\_ his abhorrence \_\_\_\_\_ animal diet.

- Ans
- ☒ 1. to, of
  - ☒ 2. in, to
  - ☒ 3. on, of
  - ☒ 4. is, on

Question ID : 600929900  
Status : Answered  
Chosen Option : 1

Q.5 Fill in the blank with an appropriate word choosing from the options given below.

We all call Taimur \_\_\_\_\_ since he flirts with almost every girl in the school.

- Ans
- ☒ 1. bemused
  - ☒ 2. plaintive
  - ☒ 3. promiscuous
  - ☒ 4. complacent

Question ID : 600929903  
Status : Not Answered  
Chosen Option : -

Q.6 Choose the correct synonym for the following word from the following given options.

ABSTRUSE

- Ans
- ☒ 1. lucid
  - ☒ 2. perplexing
  - ☒ 3. easy
  - ☒ 4. obvious

Question ID : 600929909  
Status : Answered  
Chosen Option : 4

Q.7 Choose the correct synonym for the following word from the following given options.

BLISS

- Ans
- ☒ 1. grief
  - ☒ 2. happiness
  - ☒ 3. misery
  - ☒ 4. woe

Question ID : 600929908  
Status : Not Answered  
Chosen Option : -

Q.8 From the options given below choose the proper suitable prepositions and fill in the blanks.

No doubt he has achieved much, but I cannot give him credit \_\_\_\_\_ all that he boasts \_\_\_\_\_.

- Ans
- ☒ 1. with, on
  - ☒ 2. about, for
  - ☒ 3. for, about
  - ☒ 4. from, in

Question ID : 600929899  
Status : Answered  
Chosen Option : 3

Comprehension:

Read the following passage and answer the questions.  
An old man lived in the village. He was one of the most unfortunate people in the world. The whole village was tired of him; he was always gloomy, he constantly complained and was always in a bad mood.  
The longer he lived, the more bile he was becoming and the more poisonous were his words. People avoided him, because his misfortune became contagious. It was even unnatural and insulting to be happy next to him.  
He created the feeling of unhappiness in others.  
But one day, when he turned eighty years old, an incredible thing happened. Instantly everyone started hearing the rumour:  
"An Old Man is happy today, he doesn't complain about anything, smiles, and even his face is freshened up."  
The whole village gathered together. The old man was asked:  
Villager: What happened to you?  
"Nothing special. Eighty years I've been chasing happiness, and it was useless. And then I decided to live without happiness and just enjoy life. That's why I'm happy now."

SubQuestion No : 9

Q.9 Why did the people avoid the old man?

- Ans
- ☒ 1. because his misfortune became contagious
  - ☒ 2. he was always gloomy and constantly complained
  - ☒ 3. because he lived longer
  - ☒ 4. because he was always in a bad mood.

Question ID : 600929905  
Status : Answered  
Chosen Option : 2

Comprehension:

Read the following passage and answer the questions.  
An old man lived in the village. He was one of the most unfortunate people in the world. The whole village was tired of him; he was always gloomy, he constantly complained and was always in a bad mood.  
The longer he lived, the more bile he was becoming and the more poisonous were his words. People avoided him, because his misfortune became contagious. It was even unnatural and insulting to be happy next to him.  
He created the feeling of unhappiness in others.  
But one day, when he turned eighty years old, an incredible thing happened. Instantly everyone started hearing the rumour:  
"An Old Man is happy today, he doesn't complain about anything, smiles, and even his face is freshened up."  
The whole village gathered together. The old man was asked:  
Villager: What happened to you?  
"Nothing special. Eighty years I've been chasing happiness, and it was useless. And then I decided to live without happiness and just enjoy life. That's why I'm happy now."

SubQuestion No : 10

Q.10 Why did the people regard him as misfortune and contagious?

- Ans
- ☒ 1. because of his age
  - ☒ 2. because of the rumours they got to hear about him
  - ☒ 3. because the more bile he was becoming, the more poisonous his words became
  - ☒ 4. because of the people who themselves were unhappy

Question ID : 600929906  
Status : Answered  
Chosen Option : 3

Comprehension:

Read the following passage and answer the questions.  
An old man lived in the village. He was one of the most unfortunate people in the world. The whole village was tired of him; he was always gloomy, he constantly complained and was always in a bad mood.  
The longer he lived, the more bile he was becoming and the more poisonous were his words. People avoided him, because his misfortune became contagious. It was even unnatural and insulting to be happy next to him.  
He created the feeling of unhappiness in others.  
But one day, when he turned eighty years old, an incredible thing happened. Instantly everyone started hearing the rumour:  
"An Old Man is happy today, he doesn't complain about anything, smiles, and even his face is freshened up."  
The whole village gathered together. The old man was asked:  
Villager: What happened to you?  
"Nothing special. Eighty years I've been chasing happiness, and it was useless. And then I decided to live without happiness and just enjoy life. That's why I'm happy now."

SubQuestion No : 11

Q.11 What is the moral of the story?

- Ans
- ☒ 1. What goes around comes around
  - ☒ 2. Don't chase happiness. Enjoy your life
  - ☒ 3. Happiness comes to those who cherish it
  - ☒ 4. Live and let live

Question ID : 600929907  
Status : Answered  
Chosen Option : 3



Q.12 Choose an appropriate answer from the options given below.  
We on thanksgiving give thanks for the \_\_\_\_\_ of the food on the table.

- Ans
- ☒ 1. avarice
  - ☒ 2. scorn
  - ☒ 3. blight
  - ☒ 4. bounty

Question ID : 600929902  
Status : Answered  
Chosen Option : 4

Q.13 Choose an appropriate answer from the options given below.  
The study of the sounds of language is called what?

- Ans
- ☒ 1. pneumatic
  - ☒ 2. photography
  - ☒ 3. phonetics
  - ☒ 4. grammar

Question ID : 600929901  
Status : Answered  
Chosen Option : 3

Q.14 From the options given below choose the proper suitable Article and fill in the blank. If there is no article required, then choose 'Article not required'.

Robinson saw \_\_\_\_\_ art piece that really inspired him.

- Ans
- ☒ 1. the
  - ☒ 2. a
  - ☒ 3. Article not required
  - ☒ 4. an

Question ID : 600929897  
Status : Answered  
Chosen Option : 4

Q.15 From the options given below choose the proper suitable Article and fill in the blank. If there is no article required, then choose 'Article not required'.

Honest men speak \_\_\_\_\_ truth.

- Ans
- ☒ 1. a
  - ☒ 2. an
  - ☒ 3. the
  - ☒ 4. Article not required

Question ID : 600929896  
Status : Answered  
Chosen Option : 3

Q.1 1296, 648,?,108, 36,18, 6, 3 find the missing number.

- Ans
- ☒ 1. 316
  - ☒ 2. 416
  - ☒ 3. 516
  - ☒ 4. 216

Question ID : 600929922  
Status : Answered  
Chosen Option : 4

Q.2 Ravi walks a distance of 5 km towards south, then turn to his right and walks 3 km. He again turns right and walks 5 km. He then turns to his left and walks 5 km. how far he from the starting point and in which direction is:

- Ans
- ☒ 1. 3 Km East
  - ☒ 2. 5 Km West
  - ☒ 3. 3 Km North
  - ☒ 4. 8 Km West

Question ID : 600929923  
Status : Answered  
Chosen Option : 4

Q.3 Two statements are given under followed by two conclusions I and II. You have to consider these statements to be true, even if they seem at variance from commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.  
Statements:  
1. No lake is river  
2. No river is ocean

Conclusions:  
I. No lake is ocean  
II. Some oceans are river

- Ans
- ☒ 1. Neither conclusion I nor II follows.
  - ☒ 2. Only conclusion I follows.
  - ☒ 3. Either conclusion I or II follows.
  - ☒ 4. Only conclusion II follows.

Question ID : 600929916  
Status : Answered  
Chosen Option : 1

Q.4

- Ans
- ☒ 1.
  - ☒ 2.
  - ☒ 3.
  - ☒ 4.

Question ID : 600929918  
Status : Answered  
Chosen Option : 2

Q.5 AEI13, EIM17,..... , MQU25 as per the given pattern, fill in the blank.

- Ans
- ☒ 1. IMU23
  - ☒ 2. IMU21
  - ☒ 3. EIQ24
  - ☒ 4. IMQ21

Question ID : 600929925  
Status : Answered  
Chosen Option : 4

Q.6

- Ans
- ☒ 1.
  - ☒ 2.
  - ☒ 3.
  - ☒ 4.

Question ID : 600929919  
Status : Answered  
Chosen Option : 2

Q.7

- Ans
- ☒ 1. 142.41%
  - ☒ 2. 140.41%
  - ☒ 3. 82.62%
  - ☒ 4. 139.82%

Question ID : 600929913  
Status : Answered  
Chosen Option : 4

Q.8 Two statements are given under followed by two conclusions I and II. You have to consider these statements to be true, even if they seem at variance from commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:  
1. All names are houses.  
2. No houses are mugs

Conclusions:  
I. All names are mugs  
II. No houses are names

- Ans
- ☒ 1. Only conclusion I follows.
  - ☒ 2. Either conclusion I or II follows.
  - ☒ 3. Only conclusion II follows.
  - ☒ 4. Neither conclusion I nor II follows.

Question ID : 600929917  
Status : Answered  
Chosen Option : 4

Q.9 छह बच्चे A, B, C, D, E और F फुटबाल खेल रहे हैं। A और E भाई हैं। F, E की बहन है। C, A के चाचा (फूफा / मौसा / मामा) का इकलौता बेटा है। B और D, C के पिता के भाई की बेटियाँ हैं। C, F से कैसे संबंधित है?

- Ans
- ☒ 1. चाचा
  - ☒ 2. चचेरा (फुफेरा / मौसेरा / ममेरा) भाई
  - ☒ 3. बेटा
  - ☒ 4. भाई

Question ID : 600929924  
Status : Answered  
Chosen Option : 2

Q.10 नीचे दिए गए प्रश्न में 1 और 2 के रूप में लेबल किए गए दो कथनों के बाद एक प्रश्न दिया है। आपको यह तय करना है कि क्या ये कथन प्रश्न का उत्तर देने के लिए पर्याप्त हैं।

प्रश्न: आयत का क्षेत्रफल क्या है?

कथन:

- 1. प्राचल (पैरामीटर) 14 है
- 2. विकर्ण 5 है

- Ans
- ☒ 1. यदि आपको 1 और 2 से मिलकर उत्तर नहीं मिल रहा है, फिर भी अधिक डेटा की आवश्यकता है
  - ☒ 2. यदि कथन 2 अकेले ही प्रश्न का उत्तर देने के लिए पर्याप्त है, लेकिन कथन 1 अकेले ही उत्तर देने के लिए पर्याप्त नहीं है
  - ☒ 3. यदि कथन 1 अकेले ही प्रश्न का उत्तर देने के लिए पर्याप्त है, लेकिन कथन 2 अकेले ही उत्तर देने के लिए पर्याप्त नहीं है
  - ☒ 4. यदि आपको 1 और 2 से मिलकर उत्तर मिल सकता है

Question ID : 600929920  
Status : Answered  
Chosen Option : 4

Q.11 नीचे दिए गए प्रश्न में 1 और 2 के रूप में लेबल किए गए दो कथनों के बाद एक प्रश्न दिया है। आपको यह तय करना है कि क्या ये कथन प्रश्न का उत्तर देने के लिए पर्याप्त हैं।

प्रश्न: पाँच सम प्राकृतिक संख्याओं के समूह में से पहली दो सम प्राकृतिक संख्याओं का योग क्या है?

- 1. दूसरी संख्या पहली संख्या के दोगुनी है
- 2. सभी पाँच संख्याएँ क्रमानुगत सम संख्याएँ हैं।

- Ans
- ☒ 1. यदि कथन 2 अकेले ही प्रश्न का उत्तर देने के लिए पर्याप्त है, लेकिन कथन 1 अकेले ही उत्तर देने के लिए पर्याप्त नहीं है
  - ☒ 2. यदि आपको 1 और 2 से मिलकर उत्तर नहीं मिल रहा है, फिर भी अधिक डेटा की आवश्यकता है।
  - ☒ 3. यदि आपको 1 और 2 से मिलकर उत्तर मिल सकता है।
  - ☒ 4. यदि कथन 1 अकेले ही प्रश्न का उत्तर देने के लिए पर्याप्त है, लेकिन कथन 2 अकेले ही उत्तर देने के लिए पर्याप्त नहीं है।

Question ID : 600929921  
Status : Answered  
Chosen Option : 3

Q.12 WORK is coded as 4-12-9-16, then how will you code POLICE.

- Ans
- ☒ 1. 11-12-15-18-24-25
  - ☒ 2. 11-12-15-18-24-22
  - ☒ 3. 11-13-15-18-24-27
  - ☒ 4. 11-12-13-14-15-16

Question ID : 600929914  
Status : Answered  
Chosen Option : 2

Q.13 If RAVI = 9-1-4-3 and ASHA = 1-1-8-1 then DEEPIKA=?

- Ans
- ☒ 1. 4-2-2-7-3-2-1
  - ☒ 2. 4-3-3-6-3-2-1
  - ☒ 3. 4-3-3-7-3-2-1
  - ☒ 4. 4-2-2-6-8-2-1

Question ID : 600929915  
Status : Not Attempted and Marked For Review  
Chosen Option : -

Q.14

- Ans
- ☒ 1. 3.9/1.8
  - ☒ 2. 3.8/1.7
  - ☒ 3. 3.4/1.9
  - ☒ 4. 3.3/1.6

Question ID : 600929912  
Status : Not Attempted and Marked For Review  
Chosen Option : -

Q.15 As per the pattern in the given series, what comes next?

A2B, B6F, C12L, D20T, E30D

- Ans
- ☒ 1. F41Q
  - ☒ 2. F42P
  - ☒ 3. P43F
  - ☒ 4. Q40F

Question ID : 600929926  
Status : Answered  
Chosen Option : 2

Q.1

- Ans
- ☒ 1. 42
  - ☒ 2. 54
  - ☒ 3. 48
  - ☒ 4. 45

Question ID : 600929944  
Status : Answered  
Chosen Option : 2

Q.2 तीन सिक्के एक साथ उछाले जाते हैं। कम से कम एक हेड और एक टेल प्राप्त करने की प्रायिकता क्या है?

- Ans
- ☒ 1.
  - ☒ 2.
  - ☒ 3.
  - ☒ 4.

Question ID : 600929946  
Status : Answered  
Chosen Option : 3

Q.3 29 छात्रों की औसत आयु 16.5 वर्ष है। शिक्षक की आयु कुल छात्रों और शिक्षकों की औसत आयु से 28 वर्ष अधिक है। शिक्षक की आयु (वर्षों में) क्या है? (दशमलव के एक स्थान तक)

- Ans
- ☒ 1. 45
  - ☒ 2. 46.5
  - ☒ 3. 46
  - ☒ 4. 45.5

Question ID : 600929942  
Status : Not Answered  
Chosen Option : -

Q.4 86.4 km/h की चाल से चलने वाली ट्रेन A, 75.6 km/h की चाल से विपरीत दिशा में चलने वाली ट्रेन B को 15 सेकंड में पार कर लेती है। यदि ट्रेन A की लंबाई ट्रेन B की लंबाई का 4/5 है, तो ट्रेन B की लंबाई (m) कितनी है?

- Ans
- ☒ 1. 375
  - ☒ 2. 300
  - ☒ 3. 400
  - ☒ 4. 450

Question ID : 600929933  
Status : Not Attempted and Marked For Review  
Chosen Option : -

Q.5 एक वस्तु इसकी अंकित कीमत पर 6.25% छूट के बाद रु. 600 में बेची गयी। अगर छूट नहीं दी गयी होती, तो लाभ 28% होता। वस्तु की लागत मूल्य क्या है?

- Ans
- ☒ 1. रु. 500
  - ☐ 2. रु. 480
  - ☐ 3. रु. 520
  - ☐ 4. रु. 560

Question ID : 600929939  
Status : Not Answered  
Chosen Option : -

Q.6 A और B की आय का अनुपात 3 : 2 है, उनके व्यय का अनुपात 2 : 1 है और उनकी बचत का अनुपात 8 : 7 है। यदि A और B की कुल साप्ताहिक बचत रु. 7500 है, तो A की साप्ताहिक आय क्या है?

- Ans
- ☒ 1. रु. 9000
  - ☐ 2. रु. 6000
  - ☐ 3. रु. 7200
  - ☐ 4. रु. 5400

Question ID : 600929929  
Status : Not Answered  
Chosen Option : -

Q.7 एक दुकानदार ने 16% की हानि पर एक वस्तु को बेचा। अगर वह इसे रु. 380.80 में बेचता, तो उसे 40% का लाभ हुआ होता। अगर वस्तु रु. 697 में बिकती, तो \_\_\_\_\_ होती।

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

Question ID : 600929937  
Status : Not Answered  
Chosen Option : -

Q.8 पाइप A और B क्रमशः 30 मिनट और 40 मिनट में एक टैंक को भर सकते हैं, जबकि पाइप C प्रति मिनट 51 लीटर पानी को निकाल सकता है। यदि सभी तीन पाइप एक साथ खोले जाते हैं, तो टैंक 90 मिनट में भर जाता है। टैंक की क्षमता (लीटर में) क्या है?

- Ans
- ☐ 1. 720
  - ☐ 2. 864
  - ☒ 3. 1080
  - ☐ 4. 900

Question ID : 600929931  
Status : Not Answered  
Chosen Option : -

Q.9 A और B क्रमशः X और Y बिन्दुओं से एक दूसरे की ओर एक साथ बढ़ते हैं। रास्ते में मिलने के बाद, A और B को क्रमशः Y और X तक पहुंचने के में क्रमशः 5.4 घंटे और 2.4 घंटे लगे। यदि B की चाल 67.2 km/h थी, तो A की चाल (km/h में) कितनी थी?

- Ans
- ☒ 1. 48.4
  - ☒ 2. 44.8
  - ☒ 3. 45.4
  - ☒ 4. 50.6

Question ID : 600929934

Status : Not Answered

Chosen Option : -

Q.10 एक नाव 28 km धारा के विपरीत दिशा में और उतनी ही दूरी तक धारा की दिशा में जाती है। इस पूरी यात्रा में 13 घंटे 20 मिनट का समय लगता है। यदि 7 km धारा की दिशा में जाने में इसके द्वारा लिया गया समय, 3 km धारा के विपरीत जाने में लगने वाले समय के बराबर है, तो फिर धारा की विपरीत दिशा में जाने पर नाव की चाल (km/h) क्या है?

- Ans
- ☒ 1. 4
  - ☒ 2. 3
  - ☒ 3. 3.5
  - ☒ 4. 2.5

Question ID : 600929935

Status : Not Answered

Chosen Option : -

Q.11 A, B का 40% है और B, C से 60% अधिक है। यदि C, D से 45% कम है, तो D, A से कितने प्रतिशत अधिक है? (पूर्णांक के निकटतम)

- Ans
- ☒ 1. 184
  - ☒ 2. 192
  - ☒ 3. 194
  - ☒ 4. 196

Question ID : 600929940

Status : Not Answered

Chosen Option : -

Q.12 एक घनाकार पासे A के पृष्ठों पर संख्याएं 1, 2, 2, 3, 3 और 4 अंकित हैं और एक दुसरे घनाकार पासे B के पृष्ठों पर 1, 3, 4, 5, 6 और 8 अंकित हैं। दोनों पासे एक बार एक साथ फेंके जाते हैं। क्या प्रायिकता है कि उनके शीर्ष पृष्ठों पर दिखने वाली संख्याओं का योग 8 या 10 होगा?

- Ans
- ☒ 1.
  - ☒ 2.
  - ☒ 3.
  - ☒ 4.

Question ID : 600929945

Status : Not Answered

Chosen Option : -



Q.13

- Ans
- ☒ 1. 14 दिन
  - ☒ 2. 15 दिन
  - ☒ 3. 16 दिन
  - ☒ 4. 17 दिन

Question ID : 600929930  
Status : Answered  
Chosen Option : 2

Q.14 अगर  $a : (b+c) = 4 : 5$ ,  $c : (a+b) = 1 : 2$  तो  $b : (a+c)$  का मान क्या होगा?

- Ans
- ☒ 1. 1 : 2
  - ☒ 2. 2 : 7
  - ☒ 3. 2 : 5
  - ☒ 4. 4 : 7

Question ID : 600929927  
Status : Not Answered  
Chosen Option : -

Q.15 पंद्रह संख्याओं का औसत 48.4 है। पहली चार संख्याओं का औसत 44.5 है, और अंतिम आठ संख्याओं का 55 है। 5वीं संख्या, 6वीं संख्या से 3 कम है, लेकिन 7वीं संख्या से 3 अधिक है। 5वीं और 6वीं संख्याओं का औसत क्या है?

- Ans
- ☒ 1. 37.5
  - ☒ 2. 36.4
  - ☒ 3. 36
  - ☒ 4. 38

Question ID : 600929943  
Status : Not Answered  
Chosen Option : -

Q.16 दिए गए कार्य को करने के लिए A, B की तुलना में 40% अधिक कुशल है और C, B की तुलना में 20% कम कुशल है। एक साथ काम करने पर वे एक काम को 15 दिनों में पूरा कर सकते हैं। A और B एक साथ उसी काम को कितने दिनों में पूरा करेंगे?

- Ans
- ☒ 1. 18
  - ☒ 2. 24
  - ☒ 3. 28
  - ☒ 4. 20

Question ID : 600929932  
Status : Answered  
Chosen Option : 1

Q.17

- Ans
- ☒ 1. 24
  - ☒ 2. 25
  - ☒ 3. 30
  - ☒ 4. 20

Question ID : 600929941  
Status : Not Answered  
Chosen Option : -

Q.18 एक सामान को एक निश्चित कीमत पर खरीदा जाता है। यदि उनमें से एक-तिहाई भाग को 15% की हानि पर बेचा जाता है, तो पूरे लेनदेन में 25% लाभ हासिल करने के लिए शेष माल को कितने प्रतिशत लाभ पर बेचा जाए?

- Ans
- ☒ 1. 42%
  - ☒ 2. 48%
  - ☒ 3. 40%
  - ☒ 4. 45%

Question ID : 600929936  
Status : Not Answered  
Chosen Option : -

Q.19 एक वस्तु के अंकित मूल्य पर 20% की छूट देने के बाद एक व्यापारी को 16% लाभ होता है। यदि वस्तु के लागत मूल्य में 10% की वृद्धि हो जाए, तो उसे पहले के बराबर लाभ प्रतिशत प्राप्त करने के लिए वस्तु के अंकित मूल्य पर कितनी छूट प्रतिशत देनी चाहिए?

- Ans
- ☒ 1.
  - ☒ 2.
  - ☒ 3.
  - ☒ 4.

Question ID : 600929938  
Status : Not Answered  
Chosen Option : -

Q.20 रु. x की राशि को A, B, C और D के बीच इस तरह विभाजित किया गया है, ताकि A और B के हिस्सों का अनुपात 3 : 1 है, B और C का अनुपात 5 : 2 है और C और D का अनुपात 2 : 1 है यदि B और D के हिस्सों के बीच का अंतर रु. 1228 है, तब x का मान ज्ञात कीजिए।

- Ans
- ☒ 1. 6754
  - ☒ 2. 7061
  - ☒ 3. 7368
  - ☒ 4. 7038

Question ID : 600929928  
Status : Answered  
Chosen Option : 2

Q.1 Which of these is not an error due to natural causes in case of stadia surveying?

- Ans ☒ 1. Parallax  
☒ 2. Bad visibility  
☒ 3. Unequal refraction  
☒ 4. Unequal expansion

Question ID : 6009291042  
Status : Answered  
Chosen Option : 1

Q.2 A fixed beam loaded transversely is statically indeterminate by:

- Ans ☒ 1. 1 degree  
☒ 2. 3 degree  
☒ 3. 2 degree  
☒ 4. No indeterminacy

Question ID : 6009291013  
Status : Answered  
Chosen Option : 4

Q.3 Accurate estimate is prepared in detail item-wise by:

- Ans ☒ 1. Detailed estimate  
☒ 2. Quantitative estimate  
☒ 3. Document estimate  
☒ 4. Quantity estimate

Question ID : 6009291052  
Status : Answered  
Chosen Option : 1

Q.4 The influence line for structural function is used for obtaining maximum value because of:

- A. Uniformly distributed load only  
B. Single point load  
C. Series of concentrated load.

- Ans ☒ 1. B and C  
☒ 2. A and B  
☒ 3. Only A  
☒ 4. A, B and C

Question ID : 6009291019  
Status : Not Attempted and  
Marked For Review  
Chosen Option : -

Q.5 Specific gravity of Talc is:

- Ans
- ☐ 1. 3.5
  - ☐ 2. 4.7
  - ☐ 3. 5
  - ☒ 4. 2.7

Question ID : 600929968  
Status : Answered  
Chosen Option : 4

Q.6 At what temperature is the Hydrometer calibrated?

- Ans
- ☐ 1. 45 degree celsius
  - ☐ 2. 20 degree celsius
  - ☒ 3. 27 degree celsius
  - ☐ 4. 32 degree celsius

Question ID : 600929962  
Status : Answered  
Chosen Option : 3

Q.7 The displacements resulting from each of a number of forces may be added to obtain the displacements resulting from the sum of forces this principle called as:

- Ans
- ☐ 1. Superimposition
  - ☐ 2. Structural displacement
  - ☒ 3. Superposition
  - ☐ 4. Super reaction

Question ID : 6009291022  
Status : Answered  
Chosen Option : 3

Q.8 Which of the following is not an Non-destructive test method conducted on harden concrete?

- Ans
- ☒ 1. Splitting tension test
  - ☐ 2. Nuclear method
  - ☐ 3. Rebound Hammer method
  - ☐ 4. Radioactive method

Question ID : 600929956  
Status : Answered  
Chosen Option : 1

Q.9 If the temperature of bitumen at the surface of a road rises, its viscosity reduces. This reduced viscosity allows the bitumen to creep up the surface of any water droplets which fall on the surface and cause?

- Ans
- ☒ 1. Film Rupture
  - ☒ 2. Detachment
  - ☒ 3. Blistering
  - ☒ 4. Pitting

Question ID : 6009291004  
Status : Answered  
Chosen Option : 2

Q.10 The term by which a contractor is paid for specifically instructed work on the basis of cost of labor, material and plant plus a markup for overheads and profit is known as:

- Ans
- ☒ 1. Day work
  - ☒ 2. Hour work
  - ☒ 3. Item rate
  - ☒ 4. Capital cost

Question ID : 6009291047  
Status : Answered  
Chosen Option : 4

Q.11 The ratio of the load causing collapse to the working load is called the:

- Ans
- ☒ 1. Load factor
  - ☒ 2. Safe factor
  - ☒ 3. Shape factor
  - ☒ 4. Base factor

Question ID : 6009291010  
Status : Answered  
Chosen Option : 1

Q.12 The Lami's Theorem is applicable only for:

- Ans
- ☒ 1. Coplaner Forces
  - ☒ 2. Coplaner And Concurrent Forces
  - ☒ 3. Any Type of Forces
  - ☒ 4. Concurrent Forces

Question ID : 600929992  
Status : Answered  
Chosen Option : 4

Q.13 1 tonne(t) is equals to:

- Ans
- ☒ 1. 9.80665 N
  - ☒ 2. 9.80665 N/m<sup>2</sup>
  - ☒ 3. 9.80665 N/m
  - ☒ 4. 9.80665 kN

Question ID : 6009291023  
Status : Answered  
Chosen Option : 4

Q.14 In centesimal system of surveying 1 circumference is in how many grads?

- Ans
- ☒ 1. 200
  - ☒ 2. 400
  - ☒ 3. 600
  - ☒ 4. 800

Question ID : 6009291033  
Status : Answered  
Chosen Option : 2

Q.15 The truss is known as a Plane truss since all the members lie in:

- Ans
- ☒ 1. Circular plane
  - ☒ 2. One plane
  - ☒ 3. Different plane
  - ☒ 4. Perpendicular plane

Question ID : 6009291024  
Status : Answered  
Chosen Option : 1

Q.16 Which is the shrinkage that occurs before final set and is caused by bleeding?

- Ans
- ☒ 1. Aggregate shrinkage
  - ☒ 2. Autogenous shrinkage
  - ☒ 3. Plastic shrinkage
  - ☒ 4. Thermal shrinkage

Question ID : 6009291001  
Status : Answered  
Chosen Option : 3

Q.17 The cost estimation that is obtained by \_\_\_\_\_ is Cube rate cost estimate.

- Ans
- ☒ 1. Multiplying site area with the height of the building
  - ☒ 2. multiplying plinth area with the height of the building
  - ☒ 3. Cost of material and labour for sqm
  - ☒ 4. detail item-wise

Question ID : 6009291051  
Status : Answered  
Chosen Option : 2

Q.18 For which class of bricks crushing strength should not be less than 7N/mm<sup>2</sup>?

- Ans
- ☒ 1. I class brick
  - ☒ 2. II class brick
  - ☒ 3. IV class brick
  - ☒ 4. III class brick

Question ID : 6009291006  
Status : Answered  
Chosen Option : 2

Q.19 Masonry arches resist the external loads by:

- Ans
- ☒ 1. Thrust only
  - ☒ 2. Normal thrust and shear
  - ☒ 3. Bending moment and radial shear
  - ☒ 4. Normal thrust, radial shear and moment

Question ID : 6009291009  
Status : Answered  
Chosen Option : 2

Q.20 In the Aggregate impact value test, as per IS: 2386 (part IV), the test sample should pass and retain through which of the following sieve size?

- Ans
- ☒ 1. Passing 15 mm, retained on 10 mm sieve
  - ☒ 2. Passing 12.5 mm, retained on 6.3 mm sieve
  - ☒ 3. Passing 12.5 mm, retained on 10 mm sieve
  - ☒ 4. Passing 15 mm, retained on 6.3 mm sieve

Question ID : 600929952  
Status : Answered  
Chosen Option : 3

Q.21 Which of these construction, earthwork excavation is not considered?

- Ans
- ☒ 1. Utility Walls
  - ☒ 2. Foyer Area Walls
  - ☒ 3. Stairs
  - ☒ 4. Walls

Question ID : 6009291044  
Status : Answered  
Chosen Option : 3

Q.22 What is the deflection at the free end of a cantilever beam subjected to a concentrate load P at the free end?

- Ans
- ☒ 1.
  - ☒ 2.
  - ☒ 3.
  - ☒ 4.

Question ID : 600929979  
Status : Answered  
Chosen Option : 1

Q.23 Which is the crystal in which ions are related with each other by electrostatic attraction?

- Ans
- ☒ 1. Atomic crystal
  - ☒ 2. Ionic crystal
  - ☒ 3. Metal crystal
  - ☒ 4. Molecular crystal

Question ID : 600929996  
Status : Answered  
Chosen Option : 2

Q.24 Taking up or down or breaking up without care is termed as:

- Ans
- ☒ 1. Reconstruction
  - ☒ 2. Dismantling
  - ☒ 3. Demolition
  - ☒ 4. Redevelopment

Question ID : 6009291053  
Status : Not Attempted and Marked For Review  
Chosen Option : -



Q.25 The cement used for laying masonry are termed as?

- Ans
- ☒ 1. Grout
  - ☒ 2. Building mortars
  - ☒ 3. In situ concrete
  - ☒ 4. Concrete masonry

Question ID : 600929999  
Status : Answered  
Chosen Option : 2

Q.26 Which of these is a personal error?

- Ans
- ☒ 1. Inaccurate centering
  - ☒ 2. Blunt pivot point
  - ☒ 3. Sluggish needle
  - ☒ 4. Pivot being bent

Question ID : 6009291035  
Status : Answered  
Chosen Option : 1

Q.27 When a brick is cut across the width, the resulting piece is called as:

- Ans
- ☒ 1. Bat
  - ☒ 2. King closer
  - ☒ 3. Beveled closer
  - ☒ 4. Mitred closer

Question ID : 600929957  
Status : Answered  
Chosen Option : 1

Q.28 The moment area yield:

- Ans
- ☒ 1. Slopes and deflections
  - ☒ 2. Only slope at a section
  - ☒ 3. Elastic curve
  - ☒ 4. Only deflection at a section

Question ID : 6009291029  
Status : Answered  
Chosen Option : 2

Q.29 Extension per Unit Length is defined as:

- Ans
- ☒ 1. Tension Stress
  - ☒ 2. Elasticity
  - ☒ 3. Compressive Stress
  - ☒ 4. Tensile Strain

Question ID : 600929972  
Status : Answered  
Chosen Option : 4

Q.30 The rows of arches in continuation is called as:

- Ans
- ☒ 1. Impost
  - ☒ 2. Haunch
  - ☒ 3. Arcade
  - ☒ 4. Spandrel

Question ID : 6009291065  
Status : Answered  
Chosen Option : 3

Q.31 Which of the following is formed for Primary use of equilibrium analysis is to evaluate the reactions and internal forces?

- Ans
- ☒ 1. A series of elemental forces
  - ☒ 2. A series of external weights
  - ☒ 3. A series of free body diagrams
  - ☒ 4. A series of external forces

Question ID : 600929987  
Status : Not Answered  
Chosen Option : -

Q.32 \_\_\_\_\_ moment is considered positive when its acts on a member end.

- Ans
- ☒ 1. Fixed
  - ☒ 2. Twist
  - ☒ 3. Zero
  - ☒ 4. Normal

Question ID : 600929988  
Status : Not Attempted and Marked For Review  
Chosen Option : -

Q.33 Which of the following forces should be considered for the design of structures in areas of Seismic activity?

- Ans
- ☒ 1. Earthquake forces
  - ☐ 2. Frictional force
  - ☐ 3. Wind force
  - ☐ 4. Spring force

Question ID : 6009291027  
Status : Answered  
Chosen Option : 1

Q.34 Which material has a composite structure which is layered structure formed agglutinated by different sheets?

- Ans
- ☒ 1. Laminated structure
  - ☐ 2. Granular structure
  - ☐ 3. Fibrous structure
  - ☐ 4. Dense structure

Question ID : 600929995  
Status : Answered  
Chosen Option : 1

Q.35 Prismoidal correction while surveying is always?

- Ans
- ☐ 1. Exponentially subtractive
  - ☐ 2. Exponentially additive
  - ☒ 3. Subtractive
  - ☐ 4. Additive

Question ID : 6009291041  
Status : Not Answered  
Chosen Option : -

Q.36 Frames are characterized by \_\_\_\_\_ resisting members at some or all the joints.

- Ans
- ☐ 1. Torsion
  - ☐ 2. Shear
  - ☒ 3. Moment
  - ☐ 4. Tension

Question ID : 6009291025  
Status : Answered  
Chosen Option : 1

Q.37 Flakiness index and Elongation index test is not applicable to aggregate sizes smaller than:

- Ans
- ☒ 1. 12.5 mm
  - ☒ 2. 10 mm
  - ☒ 3. 6.3 mm
  - ☒ 4. 15 mm

Question ID : 600929948  
Status : Answered  
Chosen Option : 3

Q.38 If two arches are constructed side by side, then a curved triangular space is formed between the extrados with the base as horizontal line through the crown. This formed space is called as:

- Ans
- ☒ 1. Spandrel
  - ☒ 2. Springing line
  - ☒ 3. Haunch
  - ☒ 4. Skew back

Question ID : 6009291064  
Status : Answered  
Chosen Option : 1

Q.39 Which soil Coefficient of permeability ranges from  $1 \times 10^{-2}$  –  $5 \times 10^{-2}$  cm/sec?

- Ans
- ☒ 1. Lateritic
  - ☒ 2. Red soil
  - ☒ 3. Sand
  - ☒ 4. Clay

Question ID : 600929971  
Status : Not Attempted and Marked For Review  
Chosen Option : –

Q.40 A detailed estimate that is prepared when there is a requirement of additional work during the progress of the original work is known as:

- Ans
- ☒ 1. Annual repair cost estimate
  - ☒ 2. Revised cost estimate
  - ☒ 3. Approximate quantity method cost estimate
  - ☒ 4. Supplementary cost

Question ID : 6009291049  
Status : Answered  
Chosen Option : 4

Q.41 Bringing the face of telescope from right to left and vice versa is termed as?

- Ans
- ☒ 1. Changing face
  - ☐ 2. Transiting
  - ☐ 3. Swinging the telescope
  - ☐ 4. Centering

Question ID : 6009291036  
Status : Answered  
Chosen Option : 1

Q.42 The moment area method is valid for:

- Ans
- ☐ 1. Frames
  - ☐ 2. Continuous beams
  - ☒ 3. Single span beams
  - ☐ 4. No limitations

Question ID : 6009291028  
Status : Answered  
Chosen Option : 3

Q.43 Which of the following law, the magnitudes of the reactions are such that the applied loads are exactly counteracted?

- Ans
- ☐ 1. Newton's first law
  - ☐ 2. Newton's second law
  - ☒ 3. Newton's third law
  - ☐ 4. Ampere's force law

Question ID : 600929984  
Status : Answered  
Chosen Option : 3

Q.44 During Estimation and costing, which of these deduction are not made?

- Ans
- ☐ 1. Cornice
  - ☐ 2. Lintels over opening
  - ☐ 3. Electrification work
  - ☒ 4. Bearing of roof slabs

Question ID : 6009291045  
Status : Answered  
Chosen Option : 4

Q.45 Stationary structure acted upon by a system of forces which include external loads, reactions and body forces caused by which of the following elements.

- Ans
- ☒ 1. Weight
  - ☐ 2. External tension
  - ☐ 3. External Moment
  - ☐ 4. Pressure

Question ID : 600929983  
Status : Marked For Review  
Chosen Option : 1

Q.46 Theorem of Perpendicular axis is used in obtaining the moment of inertia of a:

- Ans
- ☐ 1. Triangular lamina
  - ☐ 2. Circular lamina
  - ☐ 3. Semicircular lamina
  - ☒ 4. Square lamina

Question ID : 600929994  
Status : Answered  
Chosen Option : 2

Q.47 The clay whose sensitivity ranges from 8-16 has which kind of the structure?

- Ans
- ☐ 1. Rectangular
  - ☐ 2. Square
  - ☐ 3. Tubular
  - ☒ 4. Flocculent

Question ID : 600929970  
Status : Not Answered  
Chosen Option : -

Q.48 Schmidi's Rebound Hammer technique is used to measure:

- Ans
- ☐ 1. Tensile Strength
  - ☐ 2. Shrinkage limit
  - ☐ 3. Compressive strength
  - ☒ 4. Surface hardness

Question ID : 600929958  
Status : Answered  
Chosen Option : 3

Q.49 The size of the brick is 190 mm x 90 mm x 90 mm and the mortar is 8 mm thick with the ratio of 1 : 4. Calculate the number of bricks for 1 meter cube:

- Ans
- ☒ 1. 526
  - ☐ 2. 547
  - ☐ 3. 425
  - ☐ 4. 483

Question ID : 6009291060  
Status : Not Attempted and Marked For Review  
Chosen Option : -

Q.50 Maximum strain energy which can be stored by a body without undergoing permanent deformation is known as:

- Ans
- ☒ 1. Proof resilience
  - ☐ 2. Volumetric strain
  - ☐ 3. Strain energy
  - ☐ 4. Modulus of resilience

Question ID : 600929981  
Status : Answered  
Chosen Option : 4

Q.51 Creep which is a strain due to loading with no loss of moisture?

- Ans
- ☐ 1. Creep
  - ☐ 2. Specific creep
  - ☒ 3. Basic creep
  - ☐ 4. Total creep

Question ID : 6009291000  
Status : Answered  
Chosen Option : 1

Q.52 Positive shear force forms a \_\_\_\_\_couple on a segment.

- Ans
- ☐ 1. Anticlockwise
  - ☒ 2. Clockwise
  - ☐ 3. Both clockwise and Anticlockwise
  - ☐ 4. zero

Question ID : 600929986  
Status : Answered  
Chosen Option : 2

Q.53 The ratio of deflection at centre of a fixed beam and simply supported beam under a concentrated load up at the centre of the space is.

- Ans
- ☒ 1. 0.5
  - ☒ 2. 0.25
  - ☒ 3. 0.2
  - ☒ 4. 0.75

Question ID : 6009291007  
Status : Answered  
Chosen Option : 2

Q.54 Bulk Modulus is defined as the ratio of:

- Ans
- ☒ 1. Volumetric stress to volumetric strain
  - ☒ 2. Volumetric strain to volumetric stress
  - ☒ 3. Shear strain to shear stress
  - ☒ 4. Shear stress to shear strain

Question ID : 600929974  
Status : Answered  
Chosen Option : 1

Q.55 Subgrade of road shall be well consolidated and compacted each with a camber of:

- Ans
- ☒ 1. 1 in 30
  - ☒ 2. 1 in 45
  - ☒ 3. 1 in 15
  - ☒ 4. 1 in 60

Question ID : 6009291055  
Status : Not Answered  
Chosen Option : -

Q.56 A compressive force is considered negative when:

- Ans
- ☒ 1. The member produces Torque
  - ☒ 2. The member produces Tension
  - ☒ 3. the member produces Shear force
  - ☒ 4. The member produces Bending moment

Question ID : 600929985  
Status : Not Answered  
Chosen Option : -



Q.57 In case of line plan of building, what dimensions of space are shown?

- Ans
- ☒ 1. Centreline of wall
  - ☒ 2. Inner dimensions
  - ☒ 3. Door dimensions
  - ☒ 4. Exterior Dimensions

Question ID : 6009291043  
Status : Answered  
Chosen Option : 1

Q.58 The slope of the cantilever beam of space l at the free end due to load concentrated load at the free end is:

- Ans
- ☒ 1.  $(PL^2)/2EI$
  - ☒ 2.  $(PL^2)/3EI$
  - ☒ 3.  $(PL^2)/4EI$
  - ☒ 4.  $PL/EI$

Question ID : 6009291030  
Status : Answered  
Chosen Option : 1

Q.59 Levelling in which levels on each side of the main line at right angles to that line is called?

- Ans
- ☒ 1. Precise levelling
  - ☒ 2. Profile levelling
  - ☒ 3. Differential levelling
  - ☒ 4. Cross sectioning

Question ID : 6009291039  
Status : Answered  
Chosen Option : 4

Q.60 A brick having full length and thickness but half the width of a full brick is known a:

- Ans
- ☒ 1. Bevelled Bat
  - ☒ 2. Mitred Closer
  - ☒ 3. King Closer
  - ☒ 4. Queen Closer

Question ID : 600929951  
Status : Answered  
Chosen Option : 4

Q.61 Which equipment is used for finding soundness of cement?

- Ans
- ☒ 1. Phycnometer apparatus
  - ☒ 2. Le-Chatelier apparatus
  - ☒ 3. Permeability apparatus
  - ☒ 4. Vicat apparatus

Question ID : 600929947  
Status : Answered  
Chosen Option : 2

Q.62 Which is the estimate that is conducted when additional works are done after completion of original works?

- Ans
- ☒ 1. Plinth Area Estimate
  - ☒ 2. Materials Estimate
  - ☒ 3. Supplementary Estimate
  - ☒ 4. Cube Rate Estimate

Question ID : 6009291046  
Status : Answered  
Chosen Option : 3

Q.63 A three hinged arch is:

- Ans
- ☒ 1. Statically determinate
  - ☒ 2. Statically determinate or indeterminate depending upon loading
  - ☒ 3. Statically indeterminate because of central hinge
  - ☒ 4. Determinate if the springs are at the same level

Question ID : 6009291015  
Status : Answered  
Chosen Option : 1

Q.64 In materials obeying Hook's law, the Load-deformation relationship is:

- Ans
- ☒ 1. Colinear
  - ☒ 2. Maximum
  - ☒ 3. Zero
  - ☒ 4. Linear

Question ID : 6009291021  
Status : Answered  
Chosen Option : 4

Q.65 The most common cracking which occurs in walls made with mixes with a high water content?

- Ans
- ☒ 1. Plastic settlement cracking
  - ☒ 2. Easy thermal cracking
  - ☒ 3. Plastic shrinkage cracking
  - ☒ 4. Drying shrinkage cracking

Question ID : 6009291002  
Status : Answered  
Chosen Option : 4

Q.66 Tension coefficient of a member indicates:

- Ans
- ☒ 1. Force per unit displacement
  - ☒ 2. Force per unit length of member
  - ☒ 3. Force in a member
  - ☒ 4. Shear in a member

Question ID : 6009291016  
Status : Answered  
Chosen Option : 4

Q.67 For the Purpose of structural analysis, any load can be idealized into:

- Ans
- ☒ 1. Erection loads
  - ☒ 2. Seismic force
  - ☒ 3. Foundation load
  - ☒ 4. Concentrated load and line load

Question ID : 6009291026  
Status : Answered  
Chosen Option : 4

Q.68 The minimum water content at which a soil will just begin to crumble when rolled into a thread approximately 3mm diameter is known as?

- Ans
- ☒ 1. Consistency Index
  - ☒ 2. Static Index
  - ☒ 3. Static Limit
  - ☒ 4. Plastic Limit

Question ID : 600929966  
Status : Answered  
Chosen Option : 4

Q.69 The super-plasticizers are used as admixture for the following purpose:

- Ans
- ☒ 1. To decrease the cement content
  - ☐ 2. To disperse particles, remove air bubbles and to retard setting
  - ☒ 3. To disperse particles only
  - ☒ 4. To decrease the setting time

Question ID : 600929953  
Status : Answered  
Chosen Option : 2

Q.70 A brick when cut at one end by half header and half stretcher, it is known as:

- Ans
- ☒ 1. Queen Closer
  - ☐ 2. King Closer
  - ☒ 3. Beveled Closer
  - ☒ 4. Bat

Question ID : 6009291057  
Status : Answered  
Chosen Option : 2

Q.71 Which is the effect of radiation on materials which heats the things on which radiation falls?

- Ans
- ☒ 1. Transmission
  - ☒ 2. Scattering
  - ☒ 3. Nuclear reactions
  - ☐ 4. Energy dissipation

Question ID : 600929998  
Status : Answered  
Chosen Option : 4

Q.72 The estimate that is prepared in initial stage to know the approximate cost of the project is known as:

- Ans
- ☒ 1. Approximate quantity method cost estimate
  - ☒ 2. Revised cost estimate
  - ☒ 3. Detailed cost estimate
  - ☐ 4. Preliminary cost estimate

Question ID : 6009291048  
Status : Answered  
Chosen Option : 1

Q.73 Which of these is oil type preservatives which are used for preservation of timber?

- Ans
- ☒ 1. Copper naphtha Nate
  - ☒ 2. Zinc chloride
  - ☒ 3. Pentachlorophenol
  - ☒ 4. Creosote

Question ID : 6009291005  
Status : Answered  
Chosen Option : 4

Q.74 Dutch bond is a modification of:

- Ans
- ☒ 1. Header bond
  - ☒ 2. Single Flemish bond
  - ☒ 3. Stretcher bond
  - ☒ 4. English bond

Question ID : 6009291056  
Status : Answered  
Chosen Option : 4

Q.75 The tool which is used to measure the perpendicularity between two walls to make sure the bricks are set at an exact

90 degree is known as:

- Ans
- ☒ 1. Straight edge
  - ☒ 2. Masons level
  - ☒ 3. Masonry square
  - ☒ 4. Mason's line

Question ID : 6009291066  
Status : Answered  
Chosen Option : 3

Q.76 If bulk modulus(K) is 80 GN/m<sup>2</sup> and Rigidity modulus (C) is 48 GN/m<sup>2</sup>, determine Young's modulus:

- Ans
- ☒ 1. 120 GN/m<sup>2</sup>
  - ☒ 2. 90 GN/m<sup>2</sup>
  - ☒ 3. 150 GN/m<sup>2</sup>
  - ☒ 4. 180 GN/m<sup>2</sup>

Question ID : 600929980  
Status : Answered  
Chosen Option : 1

Q.77 In a tension test on a mild steel rod of 12mm diameter, following observations are made.

- a) Load at yield point = 28.5 kN
  - b) breaking load = 42 kN
- Find out Yield stress

- Ans
- ☒ 1. 155.5 MN/ m<sup>2</sup>
  - ☒ 2. 222.5 MN/ m<sup>2</sup>
  - ☒ 3. 275.5MN/ m<sup>2</sup>
  - ☒ 4. 252.5 MN/ m<sup>2</sup>

Question ID : 600929978

Status : Not Attempted and Marked For Review

Chosen Option : -

Q.78 The excavation that involves the removal of excessively wet material and soil that is unsuitable for stockpiling is known as:

- Ans
- ☒ 1. Topsoil excavation
  - ☒ 2. Earth excavation
  - ☒ 3. Unclassified excavation
  - ☒ 4. Muck excavation

Question ID : 6009291050

Status : Answered

Chosen Option : 4

Q.79 The outer curve which bounds the upper edge of the arch is known as:

- Ans
- ☒ 1. Extrados
  - ☒ 2. Camber
  - ☒ 3. Skewback
  - ☒ 4. spandrel

Question ID : 6009291062

Status : Answered

Chosen Option : 1

Q.80 The section modulus of a rectangle with breadth b and depth d will be:

- Ans
- ☒ 1. (bd<sup>2</sup>/6)
  - ☒ 2. (bd<sup>2</sup>/12)
  - ☒ 3. (bd<sup>3</sup>/12)
  - ☒ 4. (bd<sup>3</sup>/6)

Question ID : 600929982

Status : Answered

Chosen Option : 1

Q.81 If E is Young's modulus, C is Rigidity modulus and K is Bulk modulus, then the relationship between them is given by:

- Ans
- ☒ 1.
  - ☒ 2.
  - ☒ 3.
  - ☒ 4.

Question ID : 600929975  
Status : Answered  
Chosen Option : 3

Q.82 Piles that are used in locations where increase in the end bearing area is desired is known as?

- Ans
- ☒ 1. Raymond piles
  - ☒ 2. Western Button bottom Pile
  - ☒ 3. Sheet piles
  - ☒ 4. metal monotube pile

Question ID : 600929967  
Status : Not Answered  
Chosen Option : -

Q.83 Which of the following is not a type of equilibrium?

- Ans
- ☒ 1. Stable equilibrium
  - ☒ 2. Unstable equilibrium
  - ☒ 3. Neutral equilibrium
  - ☒ 4. Negative equilibrium

Question ID : 600929991  
Status : Answered  
Chosen Option : 4

Q.84 If p is the Standard consistency of cement, the amount of water used to find the initial setting time of cement is:

- Ans
- ☒ 1. 0.55p
  - ☒ 2. 0.35p
  - ☒ 3. 0.75p
  - ☒ 4. 0.85p

Question ID : 600929949  
Status : Answered  
Chosen Option : 4

Q.85 Which of these is an instrumental error during levelling?

- Ans
- ☒ 1. Error in sighting
  - ☐ 2. Rod not of standard length
  - ☒ 3. Mistake in rod handling
  - ☒ 4. Mistakes in manipulation

Question ID : 6009291040  
Status : Answered  
Chosen Option : 2

Q.86 Which of these is a disadvantage of internal focusing telescope?

- Ans
- ☐ 1. Internal lens reduces the brilliancy of the image
  - ☒ 2. Line of collimation is less likely to be affected by focusing
  - ☒ 3. Overall length of the tube is not altered during focusing
  - ☒ 4. Wear on the rack and pinion is less due to lesser movement of negative lens

Question ID : 6009291037  
Status : Answered  
Chosen Option : 3

Q.87 The theorem of three moments cannot be applied to:

- Ans
- ☒ 1. Continuous beams with over hangs
  - ☐ 2. Trusses and frames
  - ☒ 3. Single span fixed beams
  - ☒ 4. Continuous beams with sinking supports and rotating joints

Question ID : 6009291014  
Status : Not Answered  
Chosen Option : -

Q.88

- Ans
- ☒ 1. Determinate
  - ☒ 2. Redundant
  - ☒ 3. Stable
  - ☐ 4. Unstable

Question ID : 6009291011  
Status : Answered  
Chosen Option : 2



Q.89 Which is these is a requirement of a mortar after it has set?

- Ans
- ☒ 1. It should remain useable for 2 hrs after mixing
  - ☒ 2. It should be sufficiently cohesive to stay on a trowel
  - ☒ 3. It should be strong enough to carry the loads that are applied on it by the masonry units
  - ☒ 4. It should be sufficiently workable to spread easily.

Question ID : 6009291003  
Status : Answered  
Chosen Option : 3

Q.90 Which of the following concrete has the ability to heal its crack?

- Ans
- ☒ 1. High performance concrete
  - ☒ 2. Bacterial concrete
  - ☒ 3. Shotcrete
  - ☒ 4. Self-compacting concrete

Question ID : 600929954  
Status : Answered  
Chosen Option : 2

Q.91 The influence diagram for maximum bending moment for a point load in a simply supported beam is:

- Ans
- ☒ 1. rectangular
  - ☒ 2. Parabolic
  - ☒ 3. Triangular
  - ☒ 4. Irregular

Question ID : 6009291012  
Status : Answered  
Chosen Option : 1

Q.92 Which the survey that is done for determining quantities for designing of engineering works?

- Ans
- ☒ 1. Archeological survey
  - ☒ 2. Mine survey
  - ☒ 3. Engineering survey
  - ☒ 4. Military survey

Question ID : 6009291031  
Status : Answered  
Chosen Option : 3

Q.93 Which one of these methods is used to find the In-Situ Density?

- Ans
- ☐ 1. Dry sieve analysis method
  - ☐ 2. Alcohol Method
  - ☐ 3. Chemical Method
  - ☒ 4. Rubber Balloon Method

Question ID : 600929964  
Status : Answered  
Chosen Option : 4

Q.94 Find out the working stress if a steel column carries a load of 1.6 MN with a factor of safety of 5. The ultimate stress for steel is 472 MN/m<sup>2</sup>:

- Ans
- ☐ 1. 54.44 MN/ m<sup>2</sup>
  - ☒ 2. 94.44 MN/ m<sup>2</sup>
  - ☐ 3. 84.44 MN/ m<sup>2</sup>
  - ☐ 4. 44.44 MN/ m<sup>2</sup>

Question ID : 600929976  
Status : Answered  
Chosen Option : 2

Q.95 What is the ratio of liquid limit minus the natural water content to the plasticity index of the soil known as?

- Ans
- ☐ 1. Liquidity Index
  - ☐ 2. Yield Limit
  - ☒ 3. Consistency Index
  - ☐ 4. Index of plasticity

Question ID : 600929960  
Status : Answered  
Chosen Option : 3

Q.96 The principle of super position is valid only if the material is:

- Ans
- ☐ 1. Plastic
  - ☐ 2. Elasto-plastic
  - ☐ 3. Elastic
  - ☒ 4. Stress -strain relationship is linear

Question ID : 6009291008  
Status : Answered  
Chosen Option : 3

Q.97 Which of these is not a cumulative error while surveying?

- Ans
- ☒ 1. Bad straightening
  - ☐ 2. Careless holding
  - ☒ 3. Sag in chain
  - ☒ 4. Bad ranging

Question ID : 6009291032  
Status : Answered  
Chosen Option : 2

Q.98 As per two force principle, if a body in equilibrium is acted upon by two forces, then they must be.

- Ans
- ☒ 1. Collinear
  - ☐ 2. Equal , opposite and collinear
  - ☒ 3. Opposite
  - ☒ 4. equal

Question ID : 600929989  
Status : Answered  
Chosen Option : 2

Q.99 Overall volume defined by the outer dimensions of the sample is called as?

- Ans
- ☒ 1. Absolute density
  - ☒ 2. Skeletal volume
  - ☐ 3. Bulk volume
  - ☒ 4. Specific gravity

Question ID : 600929997  
Status : Answered  
Chosen Option : 3

Q.100 which of following force the Body may be in equilibrium, If the sum of all the forces acting on a body is zero?

- Ans
- ☐ 1. Concurrent
  - ☒ 2. Unlike parallel
  - ☒ 3. Like parallel
  - ☒ 4. Parallel

Question ID : 600929990  
Status : Answered  
Chosen Option : 1

Q.101 The volume of 1 bag of cement (50kg) is equal to:

- Ans
- ☒ 1. 0.0337 cum
  - ☐ 2. 0.0347 cum
  - ☒ 3. 0.0327 cum
  - ☒ 4. 0.0317 cum

Question ID : 6009291059  
Status : Answered  
Chosen Option : 2

Q.102 Which of the following method can be used to determine the water content?

- Ans
- ☒ 1. Torsion Balance method
  - ☒ 2. Dry Sieve Analysis
  - ☒ 3. Chemical Method
  - ☒ 4. Hydrometer Method

Question ID : 600929959  
Status : Answered  
Chosen Option : 1

Q.103 What is the number of cement bag required in 1meter cube work. Take weight of 1 cement bag as 50kg?

- Ans
- ☒ 1. 23.5 bags
  - ☒ 2. 30.3 bags
  - ☐ 3. 28.8 bags
  - ☒ 4. 26.6 bags

Question ID : 6009291061  
Status : Answered  
Chosen Option : 3

Q.104 A brick wall in which each course consists of alternative headers and stretchers is known as:

- Ans
- ☒ 1. Flemish Bond
  - ☒ 2. Zigzag Bond
  - ☒ 3. English Bond
  - ☒ 4. Stretcher Bond

Question ID : 6009291058  
Status : Answered  
Chosen Option : 1

Q.105 Water that forms a hydration shell around soil grains is known as:

- Ans
- ☒ 1. Structural water
  - ☒ 2. Solvate water
  - ☒ 3. Pore Water
  - ☒ 4. Infiltrated water

Question ID : 600929965  
Status : Not Answered  
Chosen Option : -

Q.106 Poisson's Ratio is defined as the ratio of:

- Ans
- ☒ 1. Longitudinal Strain by Lateral Strain
  - ☒ 2. Linear Strain by Volumetric Strain
  - ☒ 3. Lateral Strain by Longitudinal Strain
  - ☒ 4. Lateral Strain by Volumetric Strain

Question ID : 600929973  
Status : Answered  
Chosen Option : 3

Q.107 Active Clay has an activity greater than?

- Ans
- ☒ 1. 5
  - ☒ 2. 2
  - ☒ 3. 3.5
  - ☒ 4. 1.4

Question ID : 600929969  
Status : Answered  
Chosen Option : 4

Q.108 The carry over factor for a prismatic beam is:

- Ans
- ☒ 1. 0.25
  - ☒ 2. 1
  - ☒ 3. 0
  - ☒ 4. 0.5

Question ID : 6009291020  
Status : Not Answered  
Chosen Option : -

Q.109 Which of the following effect of Fly Ash on cement concrete is false?

- Ans
- ☒ 1. Reduces the amount of air entraining agent
  - ☒ 2. Slightly improves the resistance to Sulphate attack
  - ☒ 3. Increase the heat of hydration of concrete
  - ☒ 4. Reduction in permeability of concrete

Question ID : 600929955  
Status : Answered  
Chosen Option : 3

Q.110 Water chemically combined in the crystal structure of the soil mineral is called as?

- Ans
- ☒ 1. Structural Water
  - ☒ 2. Crystal water
  - ☒ 3. water
  - ☒ 4. Adsorbed Water

Question ID : 600929961  
Status : Answered  
Chosen Option : 1

Q.111 The wedge shaped unit which is fixed at the crown of the arch is called as:

- Ans
- ☒ 1. Spandrel
  - ☒ 2. Voussoirs
  - ☒ 3. Haunch
  - ☒ 4. Keystone

Question ID : 6009291063  
Status : Answered  
Chosen Option : 4

Q.112 The relationship governing the laminar flow of water through capillary tube is known as?

- Ans
- ☒ 1. Archimedes' Law
  - ☒ 2. Poiseuille's Law
  - ☒ 3. Mohr's Law
  - ☒ 4. Newton's Law

Question ID : 600929963  
Status : Answered  
Chosen Option : 4

Q.113 Which of the following test is used to measure the wear of stones?

- Ans
- ☒ 1. Crushing test
  - ☒ 2. Abrasion test
  - ☒ 3. Impact test
  - ☒ 4. Attrition test

Question ID : 600929950  
Status : Answered  
Chosen Option : 2

Q.114 Life of Country wood in work in building is:

- Ans
- ☒ 1. 7 years
  - ☒ 2. 2 years
  - ☒ 3. 30 years
  - ☒ 4. 15 years

Question ID : 6009291054  
Status : Answered  
Chosen Option : 4

Q.115 The method of Tension coefficient developed by:

- Ans
- ☒ 1. K. Stephen
  - ☒ 2. Hardy cross
  - ☒ 3. R .V .south well
  - ☒ 4. Henry beck

Question ID : 6009291017  
Status : Not Answered  
Chosen Option : -

Q.116 A short hollow steel column has an internal diameter of 200 mm and cross sectional area of column being 0.01694 m<sup>2</sup>. Find out external diameter in mm:

- Ans
- ☒ 1. 248.1
  - ☒ 2. 254.4
  - ☒ 3. 245.3
  - ☒ 4. 250.5

Question ID : 600929977  
Status : Not Attempted and Marked For Review  
Chosen Option : -

Q.117 Which of these is not a characteristic of surveyor's compass?

- Ans ☒ 1. The reading is taken with the help of a prism provided at the eye sight
- ☒ 2. Sighting and reading cannot be taken simultaneously from one position of the observer.
- ☒ 3. Needle is of 'edge bar' type
- ☒ 4. Graduations are engraved erect.

Question ID : 6009291034  
Status : Answered  
Chosen Option : 1

Q.118 The tension coefficient method is based on:

- Ans ☒ 1. method of sections and equilibrium
- ☒ 2. method of Equilibrium
- ☒ 3. method of Joints and equilibrium
- ☒ 4. method of Joints and section

Question ID : 6009291018  
Status : Not Answered  
Chosen Option : -

Q.119 In optical characteristic of a telescope which compound lens free from spherical aberration is termed as?

- Ans ☒ 1. Magnification
- ☒ 2. Aplanation
- ☒ 3. Illumination
- ☒ 4. Achromatism

Question ID : 6009291038  
Status : Answered  
Chosen Option : 4

Q.120 The center of Gravity of Hemisphere lies at a distance of \_\_\_\_\_ from its base measured along the vertical radius.

- Ans ☒ 1.  $8r/3$
- ☒ 2.  $8/3r$
- ☒ 3.  $3/8r$
- ☒ 4.  $3r/8$

Question ID : 600929993  
Status : Answered  
Chosen Option : 4