

**ITBP  
HC**

**Previous Year Paper  
(Telecom)  
18 Sept, 2023 Shift 1**



# Test Prime

**ALL EXAMS,  
ONE SUBSCRIPTION**



**50,000+**  
Mock Tests



Personalised  
Report Card



Unlimited  
Re-Attempt



**500+**  
Exam Covered



Previous Year  
Papers



**500%**  
Refund



**ATTEMPT FREE MOCK NOW**



## भारत तिब्बत सीमा पुलिस बल Indo-Tibetan Border Police Force (ITBP)

Participant ID	
Participant Name	
Test Center Name	
Test Date	18/09/2023
Test Time	8:30 AM - 10:30 AM
Subject	Head Constable Telecommunication

### Section : General English

Q.1 Select the most appropriate option that corrects the underlined phrase. If the given sentence is grammatically correct, choose 'No correction' as the option.

It took him his third try before he released a true masterful collection.

- Ans
- 1. releases a truly
  - 2. No correction
  - 3. has truly released
  - 4. released a truly

Question ID : 630680368619  
 Option 1 ID : 6306801435893  
 Option 2 ID : 6306801435896  
 Option 3 ID : 6306801435895  
 Option 4 ID : 6306801435894  
 Status : Answered  
 Chosen Option : 4

Q.2 Select the most appropriate one-word substitution for the given group of words.  
 A special skill, talent, or aptitude

- Ans
- 1. Lair
  - 2. Ruddy
  - 3. Chastise
  - 4. Knack

Question ID : 630680368616  
 Option 1 ID : 6306801435884  
 Option 2 ID : 6306801435881  
 Option 3 ID : 6306801435883  
 Option 4 ID : 6306801435882  
 Status : Answered  
 Chosen Option : 1

Q.3 Select the most appropriate idiom for the underlined phrase.  
My cousin always ruins my plans for a trip by coming home at the same time.

- Ans
- 1. Pull the plug
  - 2. Go bananas
  - 3. Hit the hay
  - 4. Queer someone's pitch

Question ID : 630680368621  
Option 1 ID : 6306801435901  
Option 2 ID : 6306801435902  
Option 3 ID : 6306801435903  
Option 4 ID : 6306801435904  
Status : Answered  
Chosen Option : 4

Q.4 Select the most appropriate option that corrects the underlined phrase. If the given sentence is grammatically correct, choose 'No correction' as the option.  
How can regular physical activity improve resilience with heat?

- Ans
- 1. No correction
  - 2. improving resilience on
  - 3. improves resilience with
  - 4. improve resilience to

Question ID : 630680368618  
Option 1 ID : 6306801435892  
Option 2 ID : 6306801435889  
Option 3 ID : 6306801435890  
Option 4 ID : 6306801435891  
Status : Answered  
Chosen Option : 3

Q.5 Select the most appropriate idiom for the underlined phrase.  
Many students are not able to decide their course of action.

- Ans
- 1. On the fence
  - 2. As pale as a ghost
  - 3. On cloud nine
  - 4. Green thumb

Question ID : 630680368620  
Option 1 ID : 6306801435899  
Option 2 ID : 6306801435900  
Option 3 ID : 6306801435897  
Option 4 ID : 6306801435898  
Status : Answered  
Chosen Option : 1

Q.6 Select the INCORRECTLY spelt word.

- Ans  1. Guidance  
 2. Corpulent  
 3. Blasphemy  
 4. Maintenance

Question ID : 630680368624  
Option 1 ID : 6306801435916  
Option 2 ID : 6306801435913  
Option 3 ID : 6306801435914  
Option 4 ID : 6306801435915  
Status : Answered  
Chosen Option : 4

Q.7 Select the most appropriate synonym for the given word.  
Dusky

- Ans  1. Lucent  
 2. Pale  
 3. Beamy  
 4. Mystical

Question ID : 630680368622  
Option 1 ID : 6306801435907  
Option 2 ID : 6306801435905  
Option 3 ID : 6306801435906  
Option 4 ID : 6306801435908  
Status : Answered  
Chosen Option : 4

Q.8 Select the sentence with no spelling error.

- Ans  1. Solar panels may also reflect bats' echolocation calls.  
 2. Solar panels may also reflect bats' echolocation calls.  
 3. Solar panels may also reflect bats' ecolocation calls.  
 4. Solar palens may also reflect bats' echolocation calls.

Question ID : 630680368625  
Option 1 ID : 6306801435920  
Option 2 ID : 6306801435918  
Option 3 ID : 6306801435919  
Option 4 ID : 6306801435917  
Status : Answered  
Chosen Option : 3

Q.9 Select the most appropriate one-word substitution for the given group of words.  
The science that deals with human skeleton recovery and interpretation

- Ans  1. Osteology  
 2. Ophthalmology  
 3. Dermatology  
 4. Cytology

Question ID : 630680368617  
 Option 1 ID : 6306801435885  
 Option 2 ID : 6306801435886  
 Option 3 ID : 6306801435887  
 Option 4 ID : 6306801435888  
 Status : Answered  
 Chosen Option : 2

Q.10 Select the most appropriate antonym for the given word.  
Lament

- Ans  1. Repent  
 2. Deplore  
 3. Exultation  
 4. Bewail

Question ID : 630680368623  
 Option 1 ID : 6306801435911  
 Option 2 ID : 6306801435910  
 Option 3 ID : 6306801435912  
 Option 4 ID : 6306801435909  
 Status : Answered  
 Chosen Option : 3

Section : General Hindi

Q.1 निम्नलिखित प्रश्न में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए लोकोक्तियों के अर्थ को सर्वश्रेष्ठ रूप से व्यक्त करता है।  
खोदा पहाड़ और निकली चुहिया

- Ans  1. समय बीत जाने पर पछतावा करना  
 2. बिना परिश्रम किये ही अधिक लाभ प्राप्त होना  
 3. परिश्रम करने पर अधिक लाभ प्राप्त होना  
 4. परिश्रम करने पर भी लाभ कम प्राप्त होना

Question ID : 630680368633  
 Option 1 ID : 6306801435951  
 Option 2 ID : 6306801435950  
 Option 3 ID : 6306801435949  
 Option 4 ID : 6306801435952  
 Status : Answered  
 Chosen Option : 4

Q.2 दिए गए वाक्य का वह भाग ज्ञात करें, जिसमें कोई त्रुटि है।  
अभिषेक ने हंसमुख स्वभाव और बाल सुलभ बातें सुनकर कमल हँस पड़ा।

- Ans  1. अभिषेक ने  
 2. कमल हँस पड़ा।  
 3. हंसमुख स्वभाव और  
 4. बाल सुलभ बातें सुनकर

Question ID : 630680368626  
Option 1 ID : 6306801435921  
Option 2 ID : 6306801435924  
Option 3 ID : 6306801435922  
Option 4 ID : 6306801435923  
Status : Answered  
Chosen Option : 1

Q.3 दिए गये वाक्य में रेखांकित शब्द को सही कीजिए।  
लोमड़ी और भेड़िए में किसी बात को पुर आपस में लड़ाई हो गई।

- Ans  1. होकर  
 2. ऊपर  
 3. जानकारी  
 4. लेकर

Question ID : 630680368631  
Option 1 ID : 6306801435944  
Option 2 ID : 6306801435941  
Option 3 ID : 6306801435942  
Option 4 ID : 6306801435943  
Status : Answered  
Chosen Option : 4

Q.4 दिए गए वाक्यांश के लिए सार्थक शब्द ज्ञात कीजिए।  
जो आज्ञा का पालन करता हो

- Ans  1. सर्वज्ञ  
 2. अतिशयोक्ति  
 3. अवज्ञाकारी  
 4. आज्ञाकारी

Question ID : 630680368628  
Option 1 ID : 6306801435931  
Option 2 ID : 6306801435932  
Option 3 ID : 6306801435929  
Option 4 ID : 6306801435930  
Status : Answered  
Chosen Option : 4

Q.5 निम्नलिखित प्रश्न में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को सर्वश्रेष्ठ रूप से व्यक्त करता है।  
अपने मुँह मियाँ मिट्टू बनना

- Ans
- 1. अपनी प्रशंसा से खुश होना
  - 2. घमंडी होना
  - 3. झूठ बोलना
  - 4. अपनी प्रशंसा खंय करना

Question ID : 630680368632  
Option 1 ID : 6306801435945  
Option 2 ID : 6306801435947  
Option 3 ID : 6306801435948  
Option 4 ID : 6306801435946  
Status : Answered  
Chosen Option : 4

Q.6 दिए गए शब्द का पर्यायवाची ज्ञात कीजिए।  
निर्धन

- Ans
- 1. गरीब
  - 2. निपुणता
  - 3. उन्नति
  - 4. धनी

Question ID : 630680368634  
Option 1 ID : 6306801435954  
Option 2 ID : 6306801435953  
Option 3 ID : 6306801435956  
Option 4 ID : 6306801435955  
Status : Answered  
Chosen Option : 1

Q.7 दिए गए शब्द का विलोम शब्द ज्ञात कीजिए।  
पराधीन

- Ans
- 1. स्वाधीन
  - 2. परलोक
  - 3. विख्यात
  - 4. परतंत्र

Question ID : 630680368635  
Option 1 ID : 6306801435959  
Option 2 ID : 6306801435960  
Option 3 ID : 6306801435957  
Option 4 ID : 6306801435958  
Status : Answered  
Chosen Option : 1



Q.8 दिए गये वाक्य में रेखांकित शब्द को सही कीजिए।  
एक किसान खेत से सब्जियाँ तोड़ घर ले जाता है।

- Ans
- 1. उखाड़
  - 2. उखाड़ते
  - 3. तोड़कर
  - 4. तोड़ते

Question ID : 630680368630  
Option 1 ID : 6306801435938  
Option 2 ID : 6306801435939  
Option 3 ID : 6306801435940  
Option 4 ID : 6306801435937  
Status : Answered  
Chosen Option : 3

Q.9 दिए गए वाक्यांश के लिए सार्थक शब्द ज्ञात कीजिए।  
सबसे आगे रहने वाला

- Ans
- 1. अग्रणी
  - 2. अनुज
  - 3. अनुचर
  - 4. अगोचर

Question ID : 630680368629  
Option 1 ID : 6306801435933  
Option 2 ID : 6306801435935  
Option 3 ID : 6306801435934  
Option 4 ID : 6306801435936  
Status : Answered  
Chosen Option : 1

Q.10 दिए गए वाक्य का वह भाग ज्ञात करें, जिसमें कोई त्रुटि है।  
आदर्श विद्यार्थी वही है जो बड़े को सम्मान करता हो तथा छोटों से स्नेह रखता हो।

- Ans
- 1. करता हो तथा छोटों
  - 2. जो बड़े को सम्मान
  - 3. आदर्श विद्यार्थी वही है
  - 4. से स्नेह रखता हो।

Question ID : 630680368627  
Option 1 ID : 6306801435927  
Option 2 ID : 6306801435926  
Option 3 ID : 6306801435925  
Option 4 ID : 6306801435928  
Status : Answered  
Chosen Option : 2

Q.1 Who has written the book 'Straight from the Heart: An Autobiography'?

- Ans
- 1. VVS Lakshman
  - 2. Yuvraj Singh
  - 3. Kapil Dev
  - 4. Sachin Tendulkar

Question ID : 630680368636  
Option 1 ID : 6306801435964  
Option 2 ID : 6306801435963  
Option 3 ID : 6306801435961  
Option 4 ID : 6306801435962  
Status : Answered  
Chosen Option : 1

Q.2 Which of the following Articles of the Indian Constitution is concerned with the provision of 'right to education'?

- Ans
- 1. Article 12
  - 2. Article 21A
  - 3. Article 21
  - 4. Article 18

Question ID : 630680368650  
Option 1 ID : 6306801436017  
Option 2 ID : 6306801436020  
Option 3 ID : 6306801436019  
Option 4 ID : 6306801436018  
Status : Answered  
Chosen Option : 2

Q.3 Which of the following festivals is associated with Kerala?

- Ans
- 1. Pongal
  - 2. Onam
  - 3. Bonalu
  - 4. Ugadi

Question ID : 630680368645  
Option 1 ID : 6306801435998  
Option 2 ID : 6306801435997  
Option 3 ID : 6306801435999  
Option 4 ID : 6306801436000  
Status : Answered  
Chosen Option : 2

Q.4 Which of the following statements is correct?

- Ans
- 1. The first cotton mill in India was set up in Madras in 1864.
  - 2. The word chintz comes from the word quartz.
  - 3. Tipu Sultan's sword was made of wootz steel.
  - 4. India's textile exports declined in the 18th century.

Question ID : 630680368644  
Option 1 ID : 6306801435994  
Option 2 ID : 6306801435993  
Option 3 ID : 6306801435996  
Option 4 ID : 6306801435995  
Status : Answered  
Chosen Option : 1

Q.5 Which of the following is correct target year of SDG, set up by UN?

- Ans
- 1. 2040
  - 2. 2030
  - 3. 2035
  - 4. 2025

Question ID : 630680368638  
Option 1 ID : 6306801435972  
Option 2 ID : 6306801435970  
Option 3 ID : 6306801435971  
Option 4 ID : 6306801435969  
Status : Answered  
Chosen Option : 3

Q.6 Which of the following statements is correct about Simhastha fair?

- I. This festival is held on the bank of the river Kshipra in Ujjain.
- II. This festival represents that the jupitar enters the Zodiac sign of Leo.

- Ans
- 1. Both I and II
  - 2. Only I
  - 3. Neither I nor II
  - 4. Only II

Question ID : 630680368646  
Option 1 ID : 6306801436003  
Option 2 ID : 6306801436001  
Option 3 ID : 6306801436004  
Option 4 ID : 6306801436002  
Status : Answered  
Chosen Option : 3

Q.7 As per Census of India 2011, which among the following states had the highest gap in rural-urban sex ratio?

Ans  1. Himachal Pradesh

2. Manipur

3. Goa

4. Jharkhand

Question ID : 630680368649

Option 1 ID : 6306801436016

Option 2 ID : 6306801436015

Option 3 ID : 6306801436013

Option 4 ID : 6306801436014

Status : Answered

Chosen Option : 1

Q.8 Which space organisation has successfully conducted cheapest mars mission?

Ans  1. ISRO

2. NASA

3. Roscosmos

4. JAXA

Question ID : 630680368641

Option 1 ID : 6306801435982

Option 2 ID : 6306801435981

Option 3 ID : 6306801435983

Option 4 ID : 6306801435984

Status : Answered

Chosen Option : 1

Q.9 Which country won FIFA World Cup 2022?

Ans  1. Brazil

2. Morocco

3. Argentina

4. France

Question ID : 630680368637

Option 1 ID : 6306801435965

Option 2 ID : 6306801435966

Option 3 ID : 6306801435967

Option 4 ID : 6306801435968

Status : Answered

Chosen Option : 3

Q.10 Which of the following statements regarding microeconomics is NOT correct?  
I. The behaviour of aggregate measures of the performance of the economy is studied.  
II. Different types of markets are studied

- Ans  1. Neither I nor II  
 2. Only I  
 3. Both I and II  
 4. Only II

Question ID : 630680368642  
Option 1 ID : 6306801435988  
Option 2 ID : 6306801435985  
Option 3 ID : 6306801435987  
Option 4 ID : 6306801435986  
Status : Answered  
Chosen Option : 2

Q.11 Which among the following peaks of the Himalayas has the height more than 8000 meters?  
I. Nanda Devi  
II. Nanga Parbat  
III. Namcha Barwa

- Ans  1. Only I and III  
 2. Only II and III  
 3. Only II  
 4. Only I and II

Question ID : 630680368648  
Option 1 ID : 6306801436010  
Option 2 ID : 6306801436011  
Option 3 ID : 6306801436012  
Option 4 ID : 6306801436009  
Status : Answered  
Chosen Option : 4

Q.12 Which of the following Government Scheme particularly focuses on old age protection?

- Ans  1. Ayushman Bharat - Pradhan Mantri Jan Arogya Yojana  
 2. Pradhan Mantri Shram Yogi Maan-Dhan Yojana  
 3. Pradhan Mantri Suraksha Bima Yojana  
 4. Pradhan Mantri Jeevan Jyoti Bima Yojana

Question ID : 630680368640  
Option 1 ID : 6306801435977  
Option 2 ID : 6306801435980  
Option 3 ID : 6306801435978  
Option 4 ID : 6306801435979  
Status : Answered  
Chosen Option : 4

Q.13 किसी अर्थव्यवस्था में मुद्रा की संव्यवहार मांग को निम्नलिखित में से किस रूप में लिखा जा सकता है? (जहाँ, T एक इकाई समयावधि में अर्थव्यवस्था में संव्यवहार का कुल मूल्य (मौद्रिक) है और k एक धनात्मक अंश है)

Ans

✓ 1.  $M_T^d = k.T$

✗ 2.  $M_T^d = \frac{k}{T}$

✗ 3.  $M_T^d = \frac{T}{k}$

✗ 4.  $M_T^d = T$

Question ID : 630680368643

Option 1 ID : 6306801435990

Option 2 ID : 6306801435989

Option 3 ID : 6306801435991

Option 4 ID : 6306801435992

Status : Answered

Chosen Option : 2

Q.14 Shivasamudram is a waterfall made by which of the following river of India?

Ans ✗ 1. Godavari

✗ 2. Krishna

✗ 3. Narmada

✓ 4. Kaveri

Question ID : 630680368647

Option 1 ID : 6306801436008

Option 2 ID : 6306801436005

Option 3 ID : 6306801436007

Option 4 ID : 6306801436006

Status : Answered

Chosen Option : 2

Q.15 Which of the following National Mission on climate change is associated with Ministry of Science and Technology?

I. National Mission for Sustaining Himalayan Ecosystem.

II. National Mission on Strategic knowledge for climate change.

Ans ✓ 1. Both I and II

✗ 2. Only II

✗ 3. Neither I nor II

✗ 4. Only I

Question ID : 630680368639

Option 1 ID : 6306801435975

Option 2 ID : 6306801435974

Option 3 ID : 6306801435976

Option 4 ID : 6306801435973

Status : Answered

Chosen Option : 1

Q.1 In the following question, select the missing number from the given series.  
484, 463, 441, 418, 394, ?

- Ans  1. 370  
 2. 369  
 3. 380  
 4. 368

Question ID : 630680368662  
Option 1 ID : 6306801436067  
Option 2 ID : 6306801436065  
Option 3 ID : 6306801436066  
Option 4 ID : 6306801436068  
Status : Answered  
Chosen Option : 2

Q.2 A is the sister of B. B is the brother of C. C is the mother of D. D is the father of E. E is the wife of F. Who is the grandmother of E?

- Ans  1. B  
 2. C  
 3. D  
 4. A

Question ID : 630680368654  
Option 1 ID : 6306801436035  
Option 2 ID : 6306801436034  
Option 3 ID : 6306801436033  
Option 4 ID : 6306801436036  
Status : Answered  
Chosen Option : 2

Q.3 Eight students A, B, C, D, E, F, G and H are sitting around a circular table facing towards the centre (not necessarily in the same order). F is to the immediate right of D. A is third to the right of F. G is third to the left of D. B is the immediate neighbour of G. D is not the immediate neighbour of E. C is not the immediate neighbour of D or A. Who is third to the right of H?

- Ans  1. D  
 2. C  
 3. A  
 4. E

Question ID : 630680368652  
Option 1 ID : 6306801436025  
Option 2 ID : 6306801436027  
Option 3 ID : 6306801436026  
Option 4 ID : 6306801436028  
Status : Answered  
Chosen Option : 2

Q.4 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

- I. No jug is water.
- II. Some white are water.

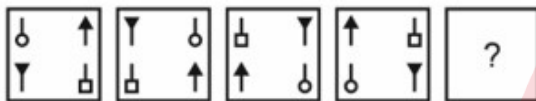
Conclusions:

- I. Some water are white.
- II. Some white are jug.
- III. Some water are jug.

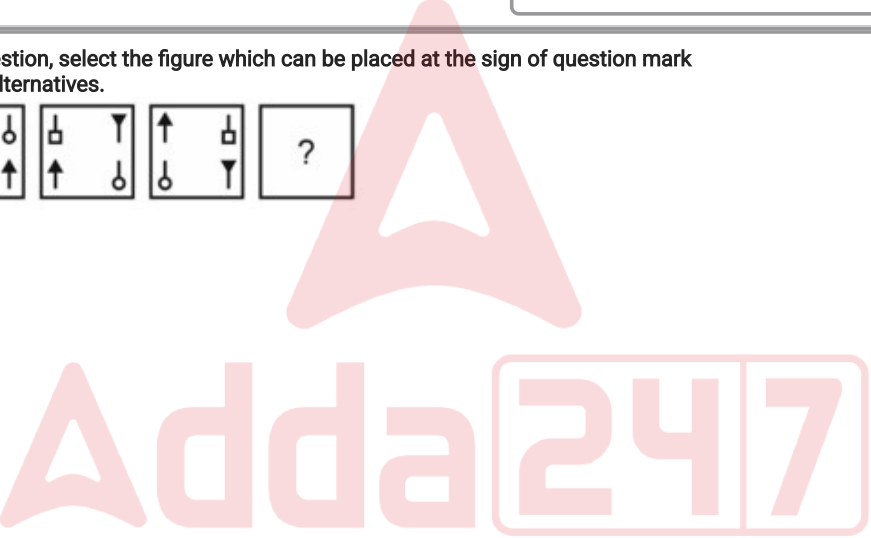
- Ans
- 1. Only conclusion II follows
  - 2. Both conclusions II and III follows
  - 3. Only conclusion I follows
  - 4. All conclusion follows

Question ID : 630680368653  
 Option 1 ID : 6306801436030  
 Option 2 ID : 6306801436031  
 Option 3 ID : 6306801436029  
 Option 4 ID : 6306801436032  
 Status : Answered  
 Chosen Option : 3

Q.5 In the following question, select the figure which can be placed at the sign of question mark (?) from the given alternatives.



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



Question ID : 630680368661  
 Option 1 ID : 6306801436061  
 Option 2 ID : 6306801436062  
 Option 3 ID : 6306801436064  
 Option 4 ID : 6306801436063  
 Status : Answered  
 Chosen Option : 1



Q.6 In the following question, select the related letters from the given alternatives.  
MF : LS :: LY : ?

- Ans  1. AV  
 2. ER  
 3. KJ  
 4. OY

Question ID : 630680368656  
Option 1 ID : 6306801436042  
Option 2 ID : 6306801436041  
Option 3 ID : 6306801436043  
Option 4 ID : 6306801436044  
Status : Answered  
Chosen Option : 2

Q.7 Five persons A, B, C, D and E are sitting around a circular table facing towards the centre (not necessarily in the same order). Only one person is sitting between C and D. B is sitting second to the left of D. A is sitting to the immediate right of B. Who is sitting second to the right of B?

- Ans  1. E  
 2. D  
 3. C  
 4. A

Question ID : 630680368651  
Option 1 ID : 6306801436024  
Option 2 ID : 6306801436021  
Option 3 ID : 6306801436022  
Option 4 ID : 6306801436023  
Status : Answered  
Chosen Option : 2

Q.8 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.  
NR, QM, LP, OK, ?

- Ans  1. JR  
 2. JQ  
 3. JT  
 4. JN

Question ID : 630680368660  
Option 1 ID : 6306801436059  
Option 2 ID : 6306801436060  
Option 3 ID : 6306801436058  
Option 4 ID : 6306801436057  
Status : Answered  
Chosen Option : 4

Q.9 If '□' means '×', '○' means '+', 'D' means '÷' and 'à' means '-', then which of the following equation is correct?

- I.  $30 \square 15 \circ 40 \grave{\text{a}} 100 \text{ D } 10 = 460$   
 II.  $80 \text{ D } 20 \square 30 \circ 40 \grave{\text{a}} 50 = 110$

- Ans  1. Neither I nor II  
 2. Only I  
 3. Only II  
 4. Both I and II

Question ID : 630680368665  
 Option 1 ID : 6306801436080  
 Option 2 ID : 6306801436077  
 Option 3 ID : 6306801436078  
 Option 4 ID : 6306801436079  
 Status : Answered  
 Chosen Option : 3

Q.10 In the following question, four letter pairs are given. The letters on left side of (-) is related to the letters on the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

- Ans  1. BA - HG  
 2. SQ - YW  
 3. MD - SK  
 4. JY - PE

Question ID : 630680368657  
 Option 1 ID : 6306801436046  
 Option 2 ID : 6306801436047  
 Option 3 ID : 6306801436048  
 Option 4 ID : 6306801436045  
 Status : Answered  
 Chosen Option : 3

Q.11 By interchanging which two numbers (not digits) the equation will be correct?  
 $5 + 7 \times 4 - 8 \div 2 = 17$

- Ans  1. 5 and 4  
 2. 4 and 2  
 3. 7 and 5  
 4. 5 and 8

Question ID : 630680368664  
 Option 1 ID : 6306801436074  
 Option 2 ID : 6306801436075  
 Option 3 ID : 6306801436076  
 Option 4 ID : 6306801436073  
 Status : Answered  
 Chosen Option : 2

Q.12 In the following question, select the related letters from the given alternatives.  
CP : GT :: DQ : ?

- Ans  1. TS  
 2. HU  
 3. WX  
 4. YZ

Question ID : 630680368655  
Option 1 ID : 6306801436040  
Option 2 ID : 6306801436039  
Option 3 ID : 6306801436037  
Option 4 ID : 6306801436038  
Status : Answered  
Chosen Option : 2

Q.13 In the following question, select the missing number from the given series.  
45, 31, 73, 3, 101, ?

- Ans  1. -30  
 2. 225  
 3. 230  
 4. -25

Question ID : 630680368663  
Option 1 ID : 6306801436070  
Option 2 ID : 6306801436069  
Option 3 ID : 6306801436072  
Option 4 ID : 6306801436071  
Status : Answered  
Chosen Option : 4

Q.14 Consider the string given below made up of letters. How many letters are immediately followed by letter B or F?  
G X S N F L T N G Z F B J M J Z B F Q C X S P M J

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

Question ID : 630680368659  
Option 1 ID : 6306801436055  
Option 2 ID : 6306801436056  
Option 3 ID : 6306801436053  
Option 4 ID : 6306801436054  
Status : Answered  
Chosen Option : 1

Q.15 In the following question, four letter pairs are given. The letters on left side of (-) is related to the letters on the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

- Ans  1. OPS – QMR  
 2. JZS – LWT  
 3. TJC – VGD  
 4. DTM – FQN

Question ID : 630680368658  
 Option 1 ID : 6306801436050  
 Option 2 ID : 6306801436049  
 Option 3 ID : 6306801436051  
 Option 4 ID : 6306801436052  
 Status : Answered  
 Chosen Option : 3

Section : Physics

Q.1 Which of the following statement is/are correct?  
 I. Coulomb's law agrees with the Newton's third law.  
 II. SI unit of permittivity of free space is  $c^2/N - m$ .

- Ans  1. Neither I nor II  
 2. Both I and II  
 3. Only I  
 4. Only II

Question ID : 630680368680  
 Option 1 ID : 6306801436140  
 Option 2 ID : 6306801436139  
 Option 3 ID : 6306801436137  
 Option 4 ID : 6306801436138  
 Status : Answered  
 Chosen Option : 1

Q.2 The dimension of potential energy is \_\_\_\_\_.

- Ans  1.  $ML^{-2}T^{-2}$   
 2.  $MLT^{-2}$   
 3.  $ML^2T^{-2}$   
 4.  $ML^2T^{-1}$

Question ID : 630680368670  
 Option 1 ID : 6306801436097  
 Option 2 ID : 6306801436098  
 Option 3 ID : 6306801436100  
 Option 4 ID : 6306801436099  
 Status : Answered  
 Chosen Option : 3

Q.3 Which apparatus is used to detect charge on body?

- Ans
- 1. Silver-leaf electroscope
  - 2. Platinum-leaf electroscope
  - 3. Gold-leaf electroscope
  - 4. Silver-rod electroscope

Question ID : 630680368678  
Option 1 ID : 6306801436130  
Option 2 ID : 6306801436131  
Option 3 ID : 6306801436129  
Option 4 ID : 6306801436132  
Status : Answered  
Chosen Option : 3

Q.4 According to the law of inertia, objects moving down an inclined plane \_\_\_\_\_.

- Ans
- 1. is an intermediate situation
  - 2. accelerate
  - 3. retard
  - 4. has constant velocity

Question ID : 630680368666  
Option 1 ID : 6306801436083  
Option 2 ID : 6306801436081  
Option 3 ID : 6306801436082  
Option 4 ID : 6306801436084  
Status : Answered  
Chosen Option : 4

Q.5 Which of the following is NOT a Kepler's law?

- Ans
- 1. Law of orbits
  - 2. Law of periods
  - 3. Law of mass
  - 4. Law of areas

Question ID : 630680368672  
Option 1 ID : 6306801436105  
Option 2 ID : 6306801436107  
Option 3 ID : 6306801436108  
Option 4 ID : 6306801436106  
Status : Answered  
Chosen Option : 3

Q.6 Power of a lens can be \_\_\_\_\_.

- I. Positive
- II. Negative
- III. Zero

Ans  1. I, II and III  
 2. Only III and II  
 3. Only III and I  
 4. Only I and II

Question ID : 630680368682  
Option 1 ID : 6306801436148  
Option 2 ID : 6306801436146  
Option 3 ID : 6306801436147  
Option 4 ID : 6306801436145  
Status : Answered  
Chosen Option : 4

Q.7 The result of every measurement by any measuring instrument contains some uncertainty.  
This uncertainty is known as \_\_\_\_\_.

Ans  1. precision  
 2. accuracy  
 3. errors  
 4. random

Question ID : 630680368677  
Option 1 ID : 6306801436126  
Option 2 ID : 6306801436125  
Option 3 ID : 6306801436128  
Option 4 ID : 6306801436127  
Status : Answered  
Chosen Option : 3

Q.8 Which of the following is an application of Eddy currents?

- I. Magnetic braking in trains
- II. Electromagnetic damping
- III. Electric power meters

Ans  1. Only I and III  
 2. Only I and II  
 3. I, II and III  
 4. Only II and III

Question ID : 630680368685  
Option 1 ID : 6306801436159  
Option 2 ID : 6306801436157  
Option 3 ID : 6306801436160  
Option 4 ID : 6306801436158  
Status : Answered  
Chosen Option : 3

Q.9 Which of the following statements is/are correct?

- I. Magnetic field is a vector quantity.
- II. Magnetic field-lines never cross each other.

- Ans
- 1. Only II
  - 2. Both I and II
  - 3. Only I
  - 4. Neither I nor II

Question ID : 630680368683  
Option 1 ID : 6306801436150  
Option 2 ID : 6306801436151  
Option 3 ID : 6306801436149  
Option 4 ID : 6306801436152  
Status : Answered  
Chosen Option : 2

Q.10 Work depends upon which of the following quantities?

- I. Force
- II. Displacement
- III. Distance

- Ans
- 1. Only I and III
  - 2. Only II and III
  - 3. Only I and II
  - 4. I, II and III

Question ID : 630680368669  
Option 1 ID : 6306801436093  
Option 2 ID : 6306801436095  
Option 3 ID : 6306801436094  
Option 4 ID : 6306801436096  
Status : Answered  
Chosen Option : 1

Q.11 The component of contact force normal to the surface in contact is called \_\_\_\_\_.

- Ans
- 1. friction
  - 2. equilibrium
  - 3. linear
  - 4. normal reaction

Question ID : 630680368668  
Option 1 ID : 6306801436089  
Option 2 ID : 6306801436092  
Option 3 ID : 6306801436090  
Option 4 ID : 6306801436091  
Status : Answered  
Chosen Option : 1

Q.12 Frequency range of radio waves is \_\_\_\_\_.

- Ans
- 1. 30 MHz to 40 MHz
  - 2. 20 MHz to 30 MHz
  - 3. 2 MHz to 10 MHz
  - 4. 10 Hz to 1 MHz

Question ID : 630680368674  
Option 1 ID : 6306801436116  
Option 2 ID : 6306801436113  
Option 3 ID : 6306801436114  
Option 4 ID : 6306801436115  
Status : Answered  
Chosen Option : 1

Q.13 In coulomb's law, what is the SI unit of constant (K)?

- Ans
- 1.  $\frac{N-m}{c^2}$
  - 2.  $\frac{N-m^2}{c}$
  - 3.  $\frac{N-m^2}{c^2}$
  - 4.  $\frac{N-m}{c}$

Question ID : 630680368679  
Option 1 ID : 6306801436136  
Option 2 ID : 6306801436134  
Option 3 ID : 6306801436135  
Option 4 ID : 6306801436133  
Status : Answered  
Chosen Option : 3

Q.14 Which of the following is an application of total internal reflection?

- I. Mirage
- II. Diamond
- III. Optical fibre

- Ans
- 1. Only I and II
  - 2. Only II and III
  - 3. Only I and III
  - 4. I, II and III

Question ID : 630680368681  
Option 1 ID : 6306801436142  
Option 2 ID : 6306801436143  
Option 3 ID : 6306801436141  
Option 4 ID : 6306801436144  
Status : Answered  
Chosen Option : 4



Q.15 The work done by the spring force in a cyclic process is \_\_\_\_\_.

- I. Zero
- II. Positive
- III. Negative

Ans  1. Only III  
 2. Only II  
 3. Only I  
 4. I, II and III

Question ID : 630680368671  
Option 1 ID : 6306801436103  
Option 2 ID : 6306801436102  
Option 3 ID : 6306801436101  
Option 4 ID : 6306801436104  
Status : Answered  
Chosen Option : 1

Q.16 Which of the following statements is/are NOT correct?

- I. The filed lines inside the solenoid are in the form of parallel straight lines.
- II. The magnetic field is the same at all points inside the solenoid.

Ans  1. Neither I nor II  
 2. Only II  
 3. Both I and II  
 4. Only I

Question ID : 630680368684  
Option 1 ID : 6306801436156  
Option 2 ID : 6306801436154  
Option 3 ID : 6306801436155  
Option 4 ID : 6306801436153  
Status : Answered  
Chosen Option : 1

Q.17 Large distance such as the distance of a planet or a star from the earth can be measured with the help of \_\_\_\_\_ method.

Ans  1. base  
 2. light rays  
 3. metre scale  
 4. parallax

Question ID : 630680368676  
Option 1 ID : 6306801436121  
Option 2 ID : 6306801436122  
Option 3 ID : 6306801436124  
Option 4 ID : 6306801436123  
Status : Answered  
Chosen Option : 4

Q.18 Which of the following statements is correct?

- I. Momentum is a vector quantity.  
II. Force is a scalar quantity.

Ans  1. Only II  
 2. Only I  
 3. Both I and II  
 4. Neither I nor II

Question ID : 630680368667  
Option 1 ID : 6306801436086  
Option 2 ID : 6306801436085  
Option 3 ID : 6306801436087  
Option 4 ID : 6306801436088  
Status : Answered  
Chosen Option : 3

Q.19 What is the symbol of luminous intensity?

Ans  1. cm  
 2. cd  
 3. LI  
 4. Lm

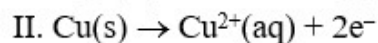
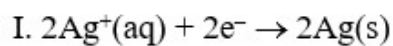
Question ID : 630680368675  
Option 1 ID : 6306801436120  
Option 2 ID : 6306801436118  
Option 3 ID : 6306801436117  
Option 4 ID : 6306801436119  
Status : Answered  
Chosen Option : 2

Q.20 SI unit of gravitational constant is \_\_\_\_\_.

Ans  1.  $\text{N/m}^2\text{kg}^2$   
 2.  $\text{Nm}^2/\text{kg}^2$   
 3.  $\text{Nm}/\text{kg}^2$   
 4.  $\text{N}/\text{m}^2\text{kg}$

Question ID : 630680368673  
Option 1 ID : 6306801436110  
Option 2 ID : 6306801436109  
Option 3 ID : 6306801436111  
Option 4 ID : 6306801436112  
Status : Answered  
Chosen Option : 2

Q.1 Which of the following is/are a reduction reaction?



- Ans
- 1. Only II
  - 2. Neither I nor II
  - 3. Both I and II
  - 4. Only I

Question ID : 630680368688  
Option 1 ID : 6306801436170  
Option 2 ID : 6306801436172  
Option 3 ID : 6306801436171  
Option 4 ID : 6306801436169  
Status : Answered  
Chosen Option : 3

Q.2 IUPAC name of Glycerol is \_\_\_\_\_.

- Ans
- 1. Pentane - 3, 4 - triol
  - 2. Pentane - 1, 2, 3 - triol
  - 3. Butane - 1, 2, 3 - triol
  - 4. Propane - 1, 2, 3 - triol

Question ID : 630680368690  
Option 1 ID : 6306801436180  
Option 2 ID : 6306801436179  
Option 3 ID : 6306801436178  
Option 4 ID : 6306801436177  
Status : Answered  
Chosen Option : 2

Q.3 Which of the following statements is/are correct about the drawback of octet theory?

- I. This theory does not account for the shape of molecules.  
II. It does not explain the relative stability.

- Ans
- 1. Only II
  - 2. Only I
  - 3. Neither I nor II
  - 4. Both I and II

Question ID : 630680368693  
Option 1 ID : 6306801436190  
Option 2 ID : 6306801436189  
Option 3 ID : 6306801436192  
Option 4 ID : 6306801436191  
Status : Answered  
Chosen Option : 2

Q.4 The graph between (p) and (1/V) in Boyle's law is a \_\_\_\_\_.

- Ans
- 1. Hyperbola
  - 2. Constant
  - 3. Parabola
  - 4. Straight line

Question ID : 630680368686  
Option 1 ID : 6306801436163  
Option 2 ID : 6306801436164  
Option 3 ID : 6306801436162  
Option 4 ID : 6306801436161  
Status : Answered  
Chosen Option : 1

Q.5 Common name of Butanedioic acid is \_\_\_\_\_.

- Ans
- 1. Glutaric acid
  - 2. Adipic acid
  - 3. Succinic acid
  - 4. Malonic acid

Question ID : 630680368695  
Option 1 ID : 6306801436199  
Option 2 ID : 6306801436198  
Option 3 ID : 6306801436197  
Option 4 ID : 6306801436200  
Status : Answered  
Chosen Option : 3

Q.6 Give name of the reagent to bring about the transformation cyclohexanol to cyclohexanone.

- Ans
- 1. Anhydrous  $\text{CrO}_3$
  - 2. PCC
  - 3. Diisobutyl
  - 4.  $\text{O}_3/\text{H}_2\text{O} - \text{Zn dust}$

Question ID : 630680368694  
Option 1 ID : 6306801436193  
Option 2 ID : 6306801436196  
Option 3 ID : 6306801436195  
Option 4 ID : 6306801436194  
Status : Answered  
Chosen Option : 4

Q.7 In Charles's law, each line of the volume vs temperature graph is called \_\_\_\_\_.

- Ans
- 1. isochore
  - 2. isotopes
  - 3. isotones
  - 4. isobars

Question ID : 630680368687  
Option 1 ID : 6306801436168  
Option 2 ID : 6306801436165  
Option 3 ID : 6306801436166  
Option 4 ID : 6306801436167  
Status : Answered  
Chosen Option : 1

Q.8 What is the electronic configuration of copper?

- Ans
- 1.  $3d^9 4s^1$
  - 2.  $3d^{10} 4s^2$
  - 3.  $3d^9 4s^2$
  - 4.  $3d^{10} 4s^1$

Question ID : 630680368692  
Option 1 ID : 6306801436188  
Option 2 ID : 6306801436186  
Option 3 ID : 6306801436187  
Option 4 ID : 6306801436185  
Status : Answered  
Chosen Option : 1

Q.9 Which of the following statements is/are correct regarding preparation of alcohols?

- I. By acid catalysed hydration  
II. By reduction of carboxylic acids

- Ans
- 1. Only II
  - 2. Neither I nor II
  - 3. Only I
  - 4. Both I and II

Question ID : 630680368691  
Option 1 ID : 6306801436182  
Option 2 ID : 6306801436184  
Option 3 ID : 6306801436181  
Option 4 ID : 6306801436183  
Status : Answered  
Chosen Option : 3

Q.10 What is another name of the rate law?

- I. Rate equation  
II. Rate expression

- Ans  1. Both I and II  
 2. Only I  
 3. Only II  
 4. Neither I nor II

Question ID : 630680368689  
Option 1 ID : 6306801436175  
Option 2 ID : 6306801436173  
Option 3 ID : 6306801436174  
Option 4 ID : 6306801436176  
Status : Answered  
Chosen Option : 2

Section : Mathematics

Q.1 How many radians are there in 1 degree?

- Ans  1. 0.001746  
 2. 0.01857  
 3. 0.01746  
 4. 0.1746

Question ID : 630680368699  
Option 1 ID : 6306801436215  
Option 2 ID : 6306801436216  
Option 3 ID : 6306801436213  
Option 4 ID : 6306801436214  
Status : Answered  
Chosen Option : 3

Q.2 If  $f(x) = 16x^2$  and  $g(x) = x^{1/2}$ , then what is the value of  $\text{gof}(x)$ ?

- Ans  1.  $8x$   
 2.  $16x$   
 3.  $4x$   
 4.  $25x$

Question ID : 630680368705  
Option 1 ID : 6306801436238  
Option 2 ID : 6306801436239  
Option 3 ID : 6306801436237  
Option 4 ID : 6306801436240  
Status : Answered  
Chosen Option : 3

Q.3 The magnitude of a given vector with end points (5, -5, 0) and (2, 3, 0) must be \_\_\_\_\_.

- Ans
- 1.  $\sqrt{83}$
  - 2.  $\sqrt{65}$
  - 3.  $\sqrt{97}$
  - 4.  $\sqrt{73}$

Question ID : 630680368702  
 Option 1 ID : 6306801436227  
 Option 2 ID : 6306801436226  
 Option 3 ID : 6306801436228  
 Option 4 ID : 6306801436225  
 Status : Answered  
 Chosen Option : 4

Q.4 The vector  $\vec{P} = ai + 9j$  and  $\vec{Q} = 2i + 2j$  are perpendicular to each other, then what is the value of a?

- Ans
- 1. -10
  - 2. -9
  - 3. -12
  - 4. -8

Question ID : 630680368701  
 Option 1 ID : 6306801436224  
 Option 2 ID : 6306801436222  
 Option 3 ID : 6306801436223  
 Option 4 ID : 6306801436221  
 Status : Answered  
 Chosen Option : 2

Q.5 If  $A = [2, 5]$  and  $B = [3, 8]$ , then what is the value of  $A \times B$ ?

- Ans
- 1. [(2, 5), (3, 8), (2, 3), (5, 8)]
  - 2. [(2, 3), (2, 8), (5, 3), (5, 8)]
  - 3. [(2, 5), (3, 8), (8, 3), (2, 8)]
  - 4. [(2, 8), (2, 5), (5, 2), (5, 6)]

Question ID : 630680368709  
 Option 1 ID : 6306801436256  
 Option 2 ID : 6306801436253  
 Option 3 ID : 6306801436255  
 Option 4 ID : 6306801436254  
 Status : Answered  
 Chosen Option : 2

Q.6 If  $P = [4, 5]$ ,  $Q = [1, 2]$  and  $R = [3, 6]$ , then what is the value of  $P \times (Q \times R)$ ?

- Ans
- 1.  $\{(2, 4), (2, 5)\}$
  - 2.  $\{(1, 4), (1, 5)\}$
  - 3.  $\{(3, 4), (3, 5)\}$
  - 4.  $\{(2, 5), (3, 5)\}$

Question ID : 630680368704  
Option 1 ID : 6306801436233  
Option 2 ID : 6306801436234  
Option 3 ID : 6306801436235  
Option 4 ID : 6306801436236  
Status : Answered  
Chosen Option : 2

Q.7 What is the length of AB, where coordinate of point A and B are  $(-2, 0)$  and  $(2, 3)$ ?

- Ans
- 1. 6.5
  - 2. 6
  - 3. 5.5
  - 4. 5

Question ID : 630680368715  
Option 1 ID : 6306801436280  
Option 2 ID : 6306801436278  
Option 3 ID : 6306801436279  
Option 4 ID : 6306801436277  
Status : Answered  
Chosen Option : 4

Q.8 Which of the following is a point wise multiplication?

- Ans
- 1. Multiplication by a vector
  - 2. Multiplication of two real functions
  - 3. Multiplication of two imaginary functions
  - 4. Multiplication by a scalar

Question ID : 630680368696  
Option 1 ID : 6306801436203  
Option 2 ID : 6306801436202  
Option 3 ID : 6306801436204  
Option 4 ID : 6306801436201  
Status : Answered  
Chosen Option : 4



Q.9

What is the value of  $\cos\left(\frac{5\pi}{6}\right)$  ?

Ans

✓ 1.  $-\frac{\sqrt{3}}{2}$

✗ 2.  $\frac{1}{\sqrt{2}}$

✗ 3.  $-\frac{1}{\sqrt{2}}$

✗ 4.  $\frac{\sqrt{3}}{2}$

Question ID : 630680368706

Option 1 ID : 6306801436242

Option 2 ID : 6306801436241

Option 3 ID : 6306801436243

Option 4 ID : 6306801436244

Status : Answered

Chosen Option : 1

Q.10

What is the value of  $\lim_{x \rightarrow 0} \left( \frac{\sin 3x}{x} \right)$  ?

✗ 1. 9

✗ 2. 6

✗ 3. 3/5

✓ 4. 3

Question ID : 630680368708

Option 1 ID : 6306801436252

Option 2 ID : 6306801436251

Option 3 ID : 6306801436249

Option 4 ID : 6306801436250

Status : Answered

Chosen Option : 4

Q.11

What is the domain of the function  $f(x) = \frac{x^2 + 3x + 5}{x^2 - 5x + 4}$  ?

- Ans
- 1.  $\mathbb{R} - \{1, 4\}$
  - 2.  $\{1, 4\}$
  - 3.  $\mathbb{R} - (1, 4)$
  - 4.  $\mathbb{R}$

Question ID : 630680368698  
Option 1 ID : 6306801436212  
Option 2 ID : 6306801436209  
Option 3 ID : 6306801436211  
Option 4 ID : 6306801436210  
Status : Answered  
Chosen Option : 3

Q.12 In which quadrant does the point  $(-5, 2)$  lie?

- Ans
- 1. 1st quadrant
  - 2. 4th quadrant
  - 3. 2nd quadrant
  - 4. 3rd quadrant

Question ID : 630680368712  
Option 1 ID : 6306801436265  
Option 2 ID : 6306801436268  
Option 3 ID : 6306801436266  
Option 4 ID : 6306801436267  
Status : Answered  
Chosen Option : 3

Q.13

What is the range of the function  $f(x) = \sqrt{9 - x^2}$  ?

- Ans
- 1.  $(3, 3)$
  - 2.  $[0, 3]$
  - 3.  $(0, 3)$
  - 4.  $[3, 3]$

Question ID : 630680368697  
Option 1 ID : 6306801436207  
Option 2 ID : 6306801436205  
Option 3 ID : 6306801436208  
Option 4 ID : 6306801436206  
Status : Answered  
Chosen Option : 1

Q.14 All angles which are integral multiples of \_\_\_\_\_ are called quadrantal angles.

- Ans
- 1.  $\pi/3$
  - 2.  $\pi$
  - 3.  $\pi/6$
  - 4.  $\pi/2$

Question ID : 630680368700  
 Option 1 ID : 6306801436217  
 Option 2 ID : 6306801436219  
 Option 3 ID : 6306801436220  
 Option 4 ID : 6306801436218  
 Status : Answered  
 Chosen Option : 4

Q.15

What is the value of  $\cos^{-1}\left(\frac{-1}{\sqrt{2}}\right) + \operatorname{cosec}^{-1}(2)$  ?

- Ans
- 1.  $\frac{3\pi}{4}$
  - 2.  $\frac{11\pi}{12}$
  - 3.  $\frac{5\pi}{6}$
  - 4.  $\frac{12\pi}{13}$

Question ID : 630680368707  
 Option 1 ID : 6306801436248  
 Option 2 ID : 6306801436246  
 Option 3 ID : 6306801436247  
 Option 4 ID : 6306801436245  
 Status : Answered  
 Chosen Option : 2

Q.16 Let  $A = [7, 5]$  and  $B = [6, 8]$ . Find the total number of relations from A into B.

- Ans
- 1. 16
  - 2. 25
  - 3. 20
  - 4. 36

Question ID : 630680368714  
 Option 1 ID : 6306801436274  
 Option 2 ID : 6306801436275  
 Option 3 ID : 6306801436273  
 Option 4 ID : 6306801436276  
 Status : Answered  
 Chosen Option : 1

Q.17 If  $x + y = 8$  and  $2x + y = 10$ , then what is the value of  $x$ ?

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

Question ID : 630680368711  
Option 1 ID : 6306801436264  
Option 2 ID : 6306801436262  
Option 3 ID : 6306801436261  
Option 4 ID : 6306801436263  
Status : Answered  
Chosen Option : 1

Q.18

What is the value of  $\lim_{x \rightarrow 0} \left( \frac{x^2 + 2}{x + 5} \right)$ ?

- Ans  1.  $\frac{5}{4}$   
 2.  $\frac{2}{5}$   
 3.  $\frac{2}{7}$   
 4.  $\frac{3}{8}$

Question ID : 630680368703  
Option 1 ID : 6306801436229  
Option 2 ID : 6306801436230  
Option 3 ID : 6306801436232  
Option 4 ID : 6306801436231  
Status : Answered  
Chosen Option : 2

Q.19 The length of the line PQ where P(0, 1) and Q(3, 5) is \_\_\_\_\_ units.

- Ans  1. 5  
 2.  $2\sqrt{3}$   
 3. 7  
 4.  $5\sqrt{2}$

Question ID : 630680368713  
Option 1 ID : 6306801436270  
Option 2 ID : 6306801436272  
Option 3 ID : 6306801436269  
Option 4 ID : 6306801436271  
Status : Answered  
Chosen Option : 1

Q.20

What is the value of  $\frac{2x+3}{5} = \frac{x+7}{3}$  ?

Ans  1. 26

2. 24

3. 32

4. 35

Question ID : 630680368710

Option 1 ID : 6306801436258

Option 2 ID : 6306801436257

Option 3 ID : 6306801436259

Option 4 ID : 6306801436260

Status : Answered

Chosen Option : 1

