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Challenges

Staff Selection Commission
(Government Of India)

QID : 1 - In the following question, select the related word from the given alternatives.

Kilometre : Metre : : Tonne : ?

निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित शब्द को चुनिए।

किलोमीटर : मीटर : : टन : ?
Options:
1) Litre
लीटर
2) Kilogram
किलोग्राम
3) Hours
घंटें
4) Weight
भार
Correct Answer: Kilogram
किलोग्राम

Candidate Answer: Kilogram
किलोग्राम

QID : 2 - In the following question, select the related letters from the given alternatives.

AGN : IOV : : BLM : ?

निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित अक्षरों को चुनिए।

AGN : IOV : : BLM : ?
Options:
1) JTU
2) KTU
3) JUV
4) TUJ
Correct Answer: JTU
Candidate Answer: JTU

QID : 3 - In the following question, select the related number from the given alternatives.

9143 : 9963 : : 6731 : ?

निम्नलिखित प्रश्न में दिए गए विकल्पों में से संबंधित संख्या को चुनिए।

9143 : 9963 : : 6731 : ?
Options:
1) 1368
2) 5666
3) 8964
4) 9694
Correct Answer: 8964
Candidate Answer: 5666

QID : 4 - In the following question, select the odd word from the given alternatives.

निम्नलिखित प्रश्न में दिए गए विकल्पों में से विषम शब्द को चुनिए।

Options:
1) Chennai

चेन्नई

2) Daman

दमन

3) Raipur

रायपुर

4) Shimla

शिमला

Correct Answer: Daman

दमन

Candidate Answer: Daman

दमन

QID : 5 - In the following question, select the odd letter from the given alternatives.

निम्नलिखित प्रश्न में दिए गए विकल्पों में से विषम अक्षर को चुनिए।

Options:
1) B

2) N

3) P

4) W

Correct Answer: W

Candidate Answer: W

QID : 6 - In the following question, select the odd number from the given alternatives.

निम्नलिखित प्रश्न में दिए गए विकल्पों में से विषम संख्या को चुनिए।

Options:
1) 313

2) 426

3) 925

4) 1034

Correct Answer: 313

Candidate Answer: 313

QID : 7 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Ball
2. Balanced
3. Balls
4. Balance
5. Balancing

निम्नलिखित शब्दों को शब्दकोश में आने वाले क्रम के अनुसार लिखें।

1. Ball
2. Balanced
3. Balls
4. Balance
5. Balancing
Options:
1) 24135
2) 42135
3) 42513
4) 54213

Correct Answer: 42513

Candidate Answer: 42513

QID : 8 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

AG, LR, WC, HN, ?

एक अनुक्रम दिया गया है, जिसमें से एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प चुनिए, जो अनुक्रम को पूरा करे।

AG, LR, WC, HN, ?
Options:
1) QY
2) RX
3) SY
4) TZ
Correct Answer: SY
Candidate Answer: SY

QID : 9 - In the following question, select the missing number from the given series.

13, 16, 11, 18, 9, 20, ?

निम्नलिखित प्रश्न में दिए गए विकल्पों में से लुप्त अंक ज्ञात कीजिए।

13, 16, 11, 18, 9, 20, ?
Options:
1) 3
2) 5
3) 6
4) 7
Correct Answer: 7
Candidate Answer: 7

QID : 10 - Punit said to a lady, "The sister of your father's wife is my aunt". How is the lady related to Punit?

पुनीत एक स्त्री से कहता है कि, "तुम्हारे पिताजी की पत्नी की बहन मेरी बुआ है।" वह स्त्री, पुनीत से किस प्रकार संबंधित है?

Options:
1) Daughter
पुत्री
2) Grand Daughter
पोती
3) Niece
भतीजी
4) Cousin sister
चचेरी/ममेरी बहन

Correct Answer: Cousin sister
चचेरी/ममेरी बहन

Candidate Answer: Cousin sister
चचेरी/ममेरी बहन

QID : 11 - There are 45 trees in a row. The lemon tree is 20th from right end. What is the rank of lemon tree from left end?

एक पंक्ति में 45 वृक्ष हैं। नीम्बू का वृक्ष दायें छोर से 20 वें स्थान पर है। नीम्बू के वृक्ष का स्थान बायें छोर से क्या है?

Options:
1) 26
2) 24
3) 25
4) 27
Correct Answer: 26
Candidate Answer: 26

QID : 12 - In the following question, from the given alternative words, select the word which cannot be formed using the letters of the given word.

UNIFORMITY

दिए गए प्रश्न में, निम्नलिखित विकल्पों में से वह शब्द चुनिए जो दिए गए शब्द के अक्षरों का प्रयोग करके नहीं बनाया जा सकता है।

UNIFORMITY
Options:
1) ANNUITY
2) FORUM
3) MINT
4) UNIFORM

Correct Answer: ANNUITY

Candidate Answer: ANNUITY

QID : 13 - In a certain code language, **"TIRED"** is written as **"56"** and **"BRAIN"** is written as **"44"**. How is **"LAZY"** written in that code language?

एक विशिष्ट कोड भाषा में, **"TIRED"** को **"56"** तथा **"BRAIN"** को **"44"** लिखा जाता है। इस कोड भाषा में **"LAZY"** को किस प्रकार लिखा जाएगा?

Options:

1) 64

2) 61

3) 58

4) 43

Correct Answer: 64

Candidate Answer: 64

QID : 14 - In the following question, by using which mathematical operator will the expression become correct?

18 ? 6 ? 9 ? 27

निम्नलिखित प्रश्न में, दिए गए विकल्पों में से किन गणितीय संक्रियाओं के प्रयोग करने से दिया गया समीकरण सही हो जाएगा?

18 ? 6 ? 9 ? 27

Options:

1) **x**, ÷ and =

x, ÷ तथा =

2) ÷, **x** and =

÷, **x** तथा =

3) **x**, + and =

x, + तथा =

4) +, − and =

+, − तथा =

Correct Answer: ÷, **x** and =

÷, **x** तथा =

Candidate Answer: ÷, **x** and =

÷, **x** तथा =

QID : 15 - If **18 (9) 3** and **36 (30) 5**, then what is the value of **A** in **19 (A) 18**?

यदि **18 (9) 3** तथा **36 (30) 5** है, तो **19 (A) 18** में **A** का मान क्या है?

Options:
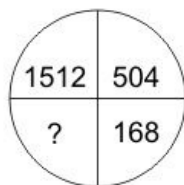
1) 33

2) 57

3) 75

4) 96

Correct Answer: 57

Candidate Answer: [NOT ANSWERED]

QID : 16 -

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

निम्नलिखित प्रश्न में दिए गए विकल्पों में से प्रश्न चिह्न (?) के स्थान पर आने वाली संख्या को चुनिए।

1512	504
?	168

Options:

1) 53

2) 56

3) 59

4) 66

Correct Answer: 56

Candidate Answer: [NOT ANSWERED]

QID : 17 -

How many triangles are there in the given figure?

नीचे दी गई आकृति में कितने त्रिभुज हैं?

Options:

1) 14

2) 15

3) 17

4) 18

Correct Answer: 17

Candidate Answer: 14

QID : 18 - In the following question below are given some statements followed by some conclusions. 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. Some pens are pencils.
II. All pencils are erasers.

Conclusions:

I. Some pencils are not pens.
II. Some erasers are not pens.

नीचे दिए गए प्रश्न में कुछ कथन और उनके बाद उन कथनों पर आधारित कुछ निष्कर्ष दिए गए हैं, हालांकि उनमें सामान्य ज्ञात तथ्यों से भिन्नता हो सकती है। सभी निष्कर्ष पढ़ें और फिर निर्धारित करें कि दिए गए कौन से निष्कर्ष, दिए गए कथनों के आधार पर युक्तिसंगत हैं।

कथनः

I. कुछ पेन पेंसिल हैं।
II. सभी पेंसिल रबर हैं।

निष्कर्षः

I. कुछ पेंसिल पेन नहीं हैं।
II. कुछ रबर पेन नहीं हैं।

Options:
1) Only conclusion (I) follows.
केवल निष्कर्ष (I) सही है।
2) Only conclusion (II) follows.
केवल निष्कर्ष (II) सही है।
3) Neither conclusion (I) nor conclusion (II) follows.
न तो निष्कर्ष (I) और न ही निष्कर्ष (II) सही है।
4) Both conclusions follow.
दोनों ही निष्कर्ष सही हैं।

Correct Answer: Neither conclusion (I) nor conclusion (II) follows.
न तो निष्कर्ष (I) और न ही निष्कर्ष (II) सही है।

Candidate Answer: Neither conclusion (I) nor conclusion (II) follows.
न तो निष्कर्ष (I) और न ही निष्कर्ष (II) सही है।

QID : 19 -

Options:
1) 1

2) 2

3) 4

4) 5
Correct Answer: 1
Candidate Answer: 1

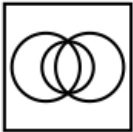**QID : 20** - Identify the diagram that best represents the relationship among the given classes.

Music Instrument, Piano, Guitar

वह आरेख चुनिए जो नीचे दिए गए वर्गों के बीच के संबंध का सही निरूपण करता है।

वाद्य यंत्र, पियानो, गिटार

Options:
1)

2)
3)
4)
Correct Answer:
Candidate Answer:

QID : 21 -

Options:
1)

2)

3)

4)
Correct Answer:
Candidate Answer:

QID : 22 -

From the given answer figures, select the one in which the question figure is hidden/embedded.

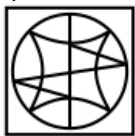दी गई उत्तर आकृतियों में से उस उत्तर आकृति को चुनिए जिस में प्रश्न आकृति निहित है।
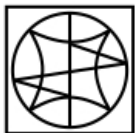
Options:
1)

2)

3)

4)

Correct Answer:

Candidate Answer:

QID : 23 -

A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?

नीचे के प्रश्न आकृतियों में दिखाए अनुसार कागज को मोड़कर छेदने तथा खोलने के बाद वह किस उत्तर आकृति जैसा दिखाई देगा?

Options:
1)

2)

3)

4)

Correct Answer:

Candidate Answer:

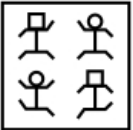**QID : 24** -

Options:
1)

2)

3)

4)

Correct Answer:

Candidate Answer:

QID : 25 -

Options:
1) 00, 13, 57, 76

2) 11, 04, 86, 59

3) 23, 22, 99, 95

4) 32, 40, 66, 68
Correct Answer: 11, 04, 86, 59
Candidate Answer: 11, 04, 86, 59

QID : 26 - Who gave the 'General Equilibrium Theory'?

'सामान्य संतुलन सिद्धांत' किसने प्रतिपादित किया था?

Options:
1) J. M. Keynes
जे. एम. कीन्स
2) Leon Walras
लिऑन वालरस
3) David Ricardo
डेविड रिकार्डो
4) Adam Smith
एडम स्मिथ

Correct Answer: Leon Walras
लिऑन वालरस

Candidate Answer: [NOT ANSWERED]

QID : 27 - Which of the following is not true about a Demand Draft?

निम्नलिखित में से कौन सा डिमांड ड्राफ्ट के संदर्भ मे सही नहीं है?

Options:
1) It is a negotiable instrument.
यह एक परक्राम्य लिखत है।
2) It is a banker's cheque.
यह एक बैंकर्स चेक है।
3) It may be dishonoured for lack of funds.
यह धन के अभाव के कारण अस्वीकृत किया जा सकता है।
4) It is issued by a bank.
यह बैंक द्वारा जारी किया जाता है।

Correct Answer: It may be dishonoured for lack of funds.
यह धन के अभाव के कारण अस्वीकृत किया जा सकता है।

Candidate Answer: It is a negotiable instrument.
यह एक परक्राम्य लिखत है।

QID : 28 - Who administers the oath of the President of India?

भारत के राष्ट्रपति के पद के लिए कौन शपथ दिलाता है?

Options:
1) Governor General of India
भारत के गवर्नर जनरल
2) Chief Justice of India
भारत के मुख्य न्यायाधीश
3) Prime Minister of India
भारत के प्रधानमंत्री
4) Vice President of India
भारत के उपराष्ट्रपति

Correct Answer: Chief Justice of India
भारत के मुख्य न्यायाधीश

Candidate Answer: Chief Justice of India
भारत के मुख्य न्यायाधीश

QID : 29 - Who among the following gave monistic theory of sovereignty?

निम्नलिखित में से किसने सम्प्रभुता के अद्वैत सिद्धांत दिए थे?

Options:
1) Austin
ऑस्टिन
2) Darwin
डॉर्विन
3) Aristotle
अरस्तु
4) Marx
मार्क्स

Correct Answer: Austin
ऑस्टिन

Candidate Answer: Marx
मार्क्स

Staff Selection Commision

QID : 30 - Which one is the correct chronological order of the following events?

I. Quit India Movement
II. Shimla Conference
III. Poona Pact
IV. Cabinet Mission

निम्नलिखित घटनाओं का उनके घटनाक्रमानुसार सही क्रम क्या है?

I. भारत छोड़ो आंदोलन

II. शिमला सम्मेलन

III. पूना समझौता

IV. कैबिनेट मिशन

Options:
1) II, IV, I, III
2) III, IV,II, I
3) III, I, II, IV
4) IV, II, III, I
Correct Answer: III, I, II, IV
Candidate Answer: II, IV, I, III

QID : 31 - In 1917, which movement was launched by Mahatma Gandhi from Champaran?

वर्ष 1917 मेंं महात्मा गांधी द्वारा चंपारण से कौन सा आंदोलन शुरू किया गया था?

Options:
1) Satyagraha
सत्याग्रह
2) Non co-operation movement
असहयोग आंदोलन
3) Quit India movement
भारत छोड़ो आंदोलन
4) Swadeshi Movement
स्वदेशी आंदोलन
Correct Answer: Satyagraha
सत्याग्रह
Candidate Answer: Satyagraha
सत्याग्रह

QID : 32 - What is the name of the tropical cyclones in the China Sea?

चीन सागर में आने वाले उष्णकटिबंधीय चक्रवात का क्या नाम है?

Options:
1) Hurricanes
तूफान
2) Tornado
बवंडर
3) Twister
ट्विस्टर्स
4) Typhoon
टाइफून
Correct Answer: Typhoon
टाइफून
Candidate Answer: Typhoon
टाइफून

QID : 33 - Which among the following country is not a part of Scandinavia?

निम्नलिखित में से कौन सा देश स्कैंडेनेविया का हिस्सा नहीं है?

Options:
1) Norway
नॉर्वे
2) Finland
फिनलैंड
3) Sweden
स्वीडन
4) Denmark
डेनमार्क

Correct Answer: Finland
फिनलैंड

Candidate Answer: Denmark
डेनमार्क

QID : 34 - Cattle quickly swallow grass and store it in their _____.

मवेशी घास निगलने के उपरान्त उसे _____ में संगृहित करते हैं।

Options:
1) rumen
प्रथम आमाशय
2) esophagus
भोजन-नलिका
3) small intestine
छोटी आंत
4) salivary glands
लार ग्रंथिया

Correct Answer: rumen
प्रथम आमाशय

Candidate Answer: small intestine
छोटी आंत

QID : 35 - Which of the following carries oxygen to various parts of human body?

निम्नलिखित में से कौन मानव शरीर के विभिन्न अंगो का ऑक्सीजन वाहक है?

Options:
1) Red blood cells
लाल रक्त कोशिकाएँ
2) White blood cells
श्वेत रक्त कोशिकाएँ
3) Plasma
प्लाज्मा
4) Nerves
तंत्रिकाए

Correct Answer: Red blood cells
लाल रक्त कोशिकाएँ

Candidate Answer: Nerves
तंत्रिकाए

QID : 36 - Which of the following function is performed by the kidneys in the human body?

मानव शरीर के गुर्दे इनमें से कौन सा कार्य करते हैं?

Options:
1) Excretion
उत्सर्जन
2) Respiration
श्वसन
3) Digestion
पाचन
4) Transportation
परिवहन

Correct Answer: Excretion
उत्सर्जन

Candidate Answer: Transportation
परिवहन

QID : 37 - The bending of light when it passes around a corner or a slit is due to _____.

जब प्रकाश किसी किनारे या किसी दरार से गुज़रती है, तो _____ की वजह से वंकित हो जाती है।

Options:
1) reflection
प्रतिबिम्ब
2) refraction
अपवर्तन
3) diffraction
विवर्तन
4) total internal reflection
पूर्ण आंतरिक प्रतिबिम्ब

Correct Answer: diffraction
विवर्तन

Candidate Answer: refraction
अपवर्तन

QID : 38 - What is the reason for formation of Mirage in desert?

मरूस्थल में मरीचिका या मृगतृष्णा बनने का मुख्य कारण क्या है?

Options:
1) Refraction of light
प्रकाश का अपवर्तन
2) Reflection of light
प्रकाश का प्रतिबिम्ब
3) Total internal reflection of light
प्रकाश का पूर्ण आंतरिक प्रतिबिम्ब
4) Both Refraction and Total internal reflection of light
प्रकाश का अपवर्तन तथा पूर्ण आंतरिक प्रतिबिम्ब दोनों

Correct Answer: Both Refraction and Total internal reflection of light
प्रकाश का अपवर्तन तथा पूर्ण आंतरिक प्रतिबिम्ब दोनों

Candidate Answer: Total internal reflection of light
प्रकाश का पूर्ण आंतरिक प्रतिबिम्ब

QID : 39 - FORTRAN is not used for _____.

(I) Drawing pictures
(II) Carrying out mathematics computations

एफ.ओ.आर.टी.आर.ए.एन. का प्रयोग _____ के लिए नहीं होता है।

(I) चित्र बनाने के लिए
(II) गणित संगणना के लिए

Options:
1)
Only (I)
केवल (I)
2) Only (II)
केवल (II)

3) Both (I) and (II)
(I) तथा (II) दोनों
4) Neither (I) nor (II)
न तो (I) और न ही (II)

Correct Answer: Both (I) and (II)
(I) तथा (II) दोनों

Candidate Answer: [NOT ANSWERED]

QID : 40 - Which of the following bonds are weakest in nature?

निम्नलिखित में से सबसे कमज़ोर बंध कौन सा है?

Options:
1) Single bond
एकल बंध
2) Double bond
दोहरा बंध
3) Triple bond
तिहरा बंध
4) Hydrogen bond
हाइड्रोजन बंध

Correct Answer: Hydrogen bond
हाइड्रोजन बंध

Candidate Answer: Single bond
एकल बंध

QID : 41 - In the following reaction, fill in the blank.
Acid + Base → _____ + Water

निम्नलिखित अभिक्रिया में रिक्त स्थान भरें।

अम्ल + क्षारक → _____ + पानी

Options:
1) Carbon dioxide
कार्बन डाइऑक्साइड
2) Metal Oxide
मेटल ऑक्साइड
3) Hydrogen Gas
हाइड्रोजन गैस
4) Salt
नमक

Correct Answer: Salt
नमक

Candidate Answer: Hydrogen Gas
हाइड्रोजन गैस

QID : 42 - Bishnoi movement was started against which of the following?

बिशनोई आन्दोलन इनमे से किस के विरूद्ध शुरु किया गया था?

Options:
1) Cutting of Trees
पेड़ों की कटाई
2) Inequality of Women
स्त्री असमानता
3) Killing of Animals
पशु हत्या
4) Increasing Pollution
प्रदुषण वृध्दि

Correct Answer: Cutting of Trees
पेड़ों की कटाई

Candidate Answer: Inequality of Women
स्त्री असमानता

QID : 43 - What is the major aim of Pradhan Mantri Ujjwala Yojana?

प्रधानमंत्री उज्जवला योजना का मुख्य लक्ष्य क्या है?

Options:
1) To provide electricity
विद्युत प्रदान करना
2) To provide LED bulbs
एल.ई.डी. बल्ब प्रदान करना
3) To provide LPG connections
एल.पी.जी. कनेक्शन प्रदान करना
4) To construct village roads
गाँव की सड़कों का निर्माण करना

Correct Answer: To provide LPG connections
एल.पी.जी. कनेक्शन प्रदान करना

Candidate Answer: To provide LPG connections
एल.पी.जी. कनेक्शन प्रदान करना

QID : 44 - Who discovered television?

टेलिविजन का आविष्कार किसने किया था?

Options:
1) Michael Faraday
माइकल फेराडे
2) Joseph Henry
जोसेफ हेनरी
3) Abbe Caselli
अब्बे कासीली
4) John Baird
जोन बेयर्ड

Correct Answer: John Baird
जोन बेयर्ड

Candidate Answer: Michael Faraday
माइकल फेराडे

QID : 45 - How many players are there in a team of Volleyball?

वॉलीबाल की एक टीम में कितने खिलाड़ी होते हैं?

Options:
1) 2

2) 4

3) 6

4) 5

Correct Answer: 6
Candidate Answer: 6

QID : 46 -
Match the following.

निम्नलिखित का मिलान कीजिए।

Temple / मंदिर		Lord / भगवान	
1.	Lingaraja Temple, Orissa लिंगराज मंदिर, उड़ीसा	a.	Lord Mahavira भगवान महावीर
2.	Tijara Mandir, Rajasthan तिजारा मंदिर, राजस्थान	b.	Lord Vishnu भगवान विष्णु
3.	Venketeswara Temple, Tirupati वेंकटेश्वर मंदिर, तिरुपति	c.	Lord Shiva भगवान शिव

Options:
1) 1-b, 2-c, 3-a

2) 1-c, 2-a, 3-b

3) 1-a, 2-c, 3-b

4) 1-b, 2-a, 3-c
Correct Answer: 1-c, 2-a, 3-b
Candidate Answer: 1-b, 2-c, 3-a

QID : 47 - Who among the following has been recently awarded with 'Indian of the year' award?

निम्नलिखित में से किसे हाल ही में 'इंडियन ऑफ द ईयर' पुरस्कार दिया गया?

Staff Selection Commision

Options:
1) Sunita Rani
सुनीता रानी
2) Dhiraj Singh
धीरज सिंह
3) Preety Shenoy
प्रीति शिनॉय
4) Abhishek Kumar
अभिषेक कुमार

Correct Answer: Preety Shenoy
प्रीति शिनॉय

Candidate Answer: [NOT ANSWERED]

QID : 48 - Who is the author of the book titled 'Selection Day'?

'सेलेक्शन डे' नामक किताब के लेखक/लेखिका कौन है?

Options:
1) Aravind Adiga
अरविंद अडिगा
2) Anil Menon
अनिल मेनन
3) Krishna Sobti
कृष्णा सोबती
4) Arunava Sinha
अरूणव सिंहा

Correct Answer: Aravind Adiga
अरविंद अडिगा

Candidate Answer: [NOT ANSWERED]

QID : 49 - Which of the following country is not a member of BRICS association?

निम्नलिखित में से कौन सा देश ब्रिक्स समिति का सदस्य नहीं है?

Options:
1) Brazil
ब्राज़ील
2) Russia
रूस
3) Iceland
आइसलैंड
4) China
चीन

Correct Answer: Iceland
आइसलैंड

Candidate Answer: Iceland
आइसलैंड

QID : 50 - With which of its neighbouring country India has Kalapani territorial dispute?

अपने किस पड़ोसी देश के साथ भारत का कालापानी क्षेत्रीय विवाद है?

Options:
1) Nepal
नेपाल
2) Bangladesh
बांग्लादेश
3) Pakistan
पाकिस्तान
4) Sri Lanka
श्रीलंका

Correct Answer: Nepal
नेपाल

Candidate Answer: Pakistan
पाकिस्तान

QID : 51 -

Which value among $\sqrt[3]{5}$, $\sqrt[4]{6}$, $\sqrt[6]{12}$, $\sqrt[12]{276}$ is the largest?

$\sqrt[3]{5}$, $\sqrt[4]{6}$, $\sqrt[6]{12}$, $\sqrt[12]{276}$ में से सबसे बड़ी संख्या कौन सी है?

Options:
1)

2)
$\sqrt[4]{6}$

3)

4)
Correct Answer:
Candidate Answer:

QID : 52 - A piece of work was finished by A, B and C together. A and B together finished 60% of the work and B and C together finished 70% of the work. Who among the three is most efficient?

किसी कार्य को A, B तथा C मिलकर पूरा करते हैं। A तथा B मिलकर कार्य का 60% हिस्सा पूरा करते हैं और B तथा C मिलकर कार्य का 70% हिस्सा पूरा करते हैं। तीनों में से सबसे अधिक कार्यकुशल कौन है?

Options:
1) A

2) B

3) C

4) A or B
A या B

Correct Answer: C

Candidate Answer: A or B
A या B

QID : 53 - Three solid spheres of radius 3 cm, 4 cm and 5 cm are melted and recasted into a solid sphere. What will be the percentage decrease in the surface area?

3 से.मी, 4 से.मी. तथा 5 से.मी. के तीन गोलों को पिघलाकर एक ठोस गोले का आकार दिया जाता है। पृष्ठीय क्षेत्रफल में कितने प्रतिशत की गिरावट होगी?

Options:
1) 12
2) 14
3) 16
4) 28
Correct Answer: 28
Candidate Answer: 16

QID : 54 - The marked price of a sofa set is Rs 4800 which is sold at Rs 3672 at two successive discounts. If the first discount is 10%, then what will be the second discount (in %)?

एक सोफा सेट जिसका अंकित मूल्य 4800 रु है, उसे दो क्रमिक छूट पर 3672 रु. में बेचा जाता है। यदि पहली छूट 10% है, तो दूसरी छूट (% में) क्या है?

Options:
1) 13
2) 14
3) 15
4) 17
Correct Answer: 15
Candidate Answer: 15

QID : 55 - A, B and C invested amounts in the ratio 3 : 4 : 5 respectively. If the schemes offered compound interest at the rate of 20% per annum, 15% per annum and 10% per annum respectively, then what will be the ratio of their amounts after 1 year?

A, B तथा C क्रमशः 3 : 4 : 5 के अनुपात में राशि को निवेश करते हैं। यदि योजनाओं में क्रमशः 20% वार्षिक, 15% वार्षिक तथा 10% वार्षिक की दर से चक्रवृद्धि ब्याज दिया जाता है, तो एक वर्ष पश्चात उनकी राशियों का अनुपात क्या होगा?

Options:
1) 3 : 15 : 25
2) 6 : 6 : 5
3) 36 : 46 : 55
4) 12 : 23 : 11

Correct Answer: 36 : 46 : 55

Candidate Answer: [NOT ANSWERED]

QID : 56 - The average age of 120 members of a society is 60.7 years. By addition of 30 new members, the average age becomes 56.3 years. What is the average age (in years) of newly joined members?

एक समुदाय के 120 सदस्यों की औसत आयु 60.7 वर्ष है। 30 नए सदस्यों के आने से औसत आयु 56.3 वर्ष हो जाती है। नए शामिल हुए सदस्यों की औसत आयु (वर्षों में) कितनी है?

Options:
1) 36.5
2) 37.2
3) 38.3
4) 38.7

Correct Answer: 38.7

Candidate Answer: 36.5

QID : 57 - By selling 175 pineapples, the gain is equal to the selling price of 50 pineapples. What is the gain percentage?

175 अनानास बेचने पर, 50 अनानास के विक्रय मूल्य के बराबर का फायदा होता है। लाभ का प्रतिशत कितना है?

Options:
1) 28
2) 30
3) 32
4) 40

Correct Answer: 40

Candidate Answer: [NOT ANSWERED]

QID : 58 - If A has got 20% more marks than B, then by what percent marks of B are less than the marks of A?

यदि A, B से 20% अधिक अंक प्राप्त करता है, तो B के अंक A के अंकों से कितने प्रतिशत कम हैं?

Options:
1) 16.66

2) 20

3) 33.33

4) 14.28

Correct Answer: 16.66

Candidate Answer: 20

QID : 59 - A train leaves Delhi at 10 a.m. and reaches Jaipur at 4 p.m. on same day. Another train leaves Jaipur at 12 p.m. and reaches Delhi at 5 p.m. on same day. What is the time of day (approximately) when the two trains will meet?

एक रेलगाड़ी दिल्ली से 10 पूर्वाह्न (ए. एम.) पर चलती है तथा उसी दिन 4 अपराह्न (पी. एम.) पर जयपुर पहुँचती है। दूसरी रेलगाड़ी जयपुर से 12 अपराह्न (पी. एम.) पर चलती है तथा उसी दिन 5 अपराह्न (पी. एम.) पर दिल्ली पहुँचती है। दिन में किस समय (अनुमानित) पर दोनों रेलगाड़ियाँ मिलती हैं?

Options:
1) 1:42 p.m.
1:42 अपराह्न (पी. एम.)
2) 1:27 p.m.
1:27 अपराह्न (पी. एम.)
3) 2:04 p.m.
2:04 अपराह्न (पी. एम.)
4) 1:49 p.m.
1:49 अपराह्न (पी. एम.)

Correct Answer: 1:49 p.m.
1:49 अपराह्न (पी. एम.)

Candidate Answer: 1:49 p.m.
1:49 अपराह्न (पी. एम.)

QID : 60 - The difference between the compound interest compounding half yearly for 1 year and the simple interest for 1 year on a certain sum of money lent out at 8% per annum is Rs 64. What is the sum (in Rs)?

1 वर्ष के चक्रवृद्धि ब्याज तथा 1 वर्ष के साधारण ब्याज में किसी निश्चित राशि को उधार देने पर 8% की वार्षिक दर पर अर्धवार्षिक संयोजन से 64 रु का अंतर आता है। धनराशि (रु में) क्या है?

Options:
1) 40000
2) 42000
3) 44000
4) 44800
Correct Answer: 40000
Candidate Answer: [NOT ANSWERED]

QID : 61 - If $(x - 2)$ and $(x + 3)$ are the factors of the equation $x^2 + k_1x + k_2 = 0$, then what are the values of k_1 and k_2?

यदि समीकरण $x^2 + k_1x + k_2 = 0$ के गुणनखण्ड $(x - 2)$ तथा $(x + 3)$ हैं, तो k_1 तथा k_2 का मान क्या है?

Options:
1) $k_1 = 6, k_2 = -1$
2) $k_1 = 1, k_2 = -6$
3) $k_1 = 1, k_2 = 6$
4) $k_1 = -6, k_2 = 1$
Correct Answer: $k_1 = 1, k_2 = -6$
Candidate Answer: $k_1 = -6, k_2 = 1$

QID : 62 - If $(x - y) = 7$, then what is the value of $(x - 15)^3 - (y - 8)^3$?

यदि $(x - y) = 7$ हो, तो $(x - 15)^3 - (y - 8)^3$ का मान क्या है?

Options:
1) 0
2) 343
3) 392
4) 2863
Correct Answer: 0
Candidate Answer: 0

QID : 63 - If $x - y - \sqrt{18} = -1$ and $x + y - 3\sqrt{2} = 1$, then what is the value of $12xy(x^2 - y^2)$?

यदि $x - y - \sqrt{18} = -1$ तथा $x + y - 3\sqrt{2} = 1$ हो, तो $12xy(x^2 - y^2)$ का मान क्या है?

Options:
1) 0
2) 1
3) $512\sqrt{2}$
4) $612\sqrt{2}$
Correct Answer: $612\sqrt{2}$
Candidate Answer: [NOT ANSWERED]

QID : 64 - If $p/q = r/s = t/u = \sqrt{5}$, then what is the value of $[(3p^2 + 4r^2 + 5t^2)/(3q^2 + 4s^2 + 5u^2)]$?

यदि $p/q = r/s = t/u = \sqrt{5}$ हो, तो $[(3p^2 + 4r^2 + 5t^2)/(3q^2 + 4s^2 + 5u^2)]$ का मान क्या है?

Options:
1) 1/5
2) 5
3) 25
4) 60
Correct Answer: 5
Candidate Answer: [NOT ANSWERED]

QID : 65 - In triangle ABC, a line is drawn from the vertex A to a point D on BC. If BC = 9 cm and DC = 3 cm, then what is the ratio of the areas of triangle ABD and triangle ADC respectively?

त्रिभुज ABC में, शीर्ष A से BC पर बने एक बिंदु D तक रेखा खींची गई है। यदि BC = 9 से.मी. तथा DC = 3 से.मी. हैं, तो क्रमशः त्रिभुज ABD तथा त्रिभुज ADC के क्षेत्रफल का अनुपात क्या होगा?

Options:
1) 1 : 1
2) 2 : 1
3) 3 : 1
4) 4 : 1
Correct Answer: 2 : 1
Candidate Answer: 3 : 1

QID : 66 - PQR is a right angled triangle in which ∠R = 90°. If RS ⊥ PQ, PR = 3 cm and RQ = 4 cm, then what is the value of RS (in cm)?

PQR एक समकोण त्रिभुज है, जिसमें ∠R = 90° है। यदि RS ⊥ PQ, PR = 3 से.मी. तथा RQ = 4 से.मी. है, तो RS का मान (से.मी. में) क्या है?

Options:
1) 12/5

2) 36/5

3) 5

4) 2.5
Correct Answer: 12/5
Candidate Answer: 12/5

QID : 67 - In triangle PQR, A is the point of intersection of all the altitudes and B is the point of intersection of all the angle bisectors of the triangle. If ∠PBR = 105°, then what is the value of ∠PAR (in degrees)?

त्रिभुज PQR में, सभी शीर्षलंब बिंदु A पर परिच्छेदन करते हैं तथा सभी कोण द्विभाजक बिंदु B पर परिच्छेदन करते हैं। यदि ∠PBR = 105° है, तो ∠PAR का मान (डिग्री में) क्या है?
Options:
1) 60

2) 100

3) 105

4) 115
Correct Answer: 60
Candidate Answer: 60

QID : 68 - If there are four lines in a plane, then what cannot be the number of points of intersection of these lines?

यदि एक समधरातल (प्लेन) में चार रेखाएँ है, तो इन रेखाओं के प्रतिच्छेदक बिंदुओं की संख्या क्या नहीं हो सकती?

Options:
1) 0
2) 5
3) 4
4) 7
Correct Answer: 7

Candidate Answer: 0

QID : 69 - What is the simplified value of cosec 2A + cot 2A?

cosec 2A + cot 2A का सरलीकृत मान क्या है?

Options:
1) sec A
2) sec (A/2)
3) cot A
4) cot^2 A
Correct Answer: cot A

Candidate Answer: sec A

QID : 70 - If A = 30°, B = 60° and C = 135°, then what is the value of sin^3A + cos^3B + tan^3C − 3sin A cos B tan C?

यदि A = 30°, B = 60° तथा C = 135° है, तो sin^3A + cos^3B + tan^3C − 3sin A cos B tan C का मान क्या होगा?

Options:
1) 0
2) 1
3) 8
4) 9
Correct Answer: 0

Candidate Answer: 8

QID : 71 - What is the least value of tan^2 θ + cot^2 θ + sin^2 θ + cos^2 θ + sec^2 θ + $cosec^2$ θ?

tan^2 θ + cot^2 θ + sin^2 θ + cos^2 θ + sec^2 θ + $cosec^2$ θ का न्यूनतम मान क्या है?

Options:
1) 1

2) 3

3) 5

4) 7

Correct Answer: 7

Candidate Answer: [NOT ANSWERED]

QID : 72 -

If Mr. Raghav taught a total of 500 hours, then what is the difference in number of hours of teaching algebra and modern Maths?

यदि श्री राघव कुल 500 घंटे पढ़ाते हैं, तो बीजगणित तथा आधुनिक गणित पढ़ाने के घंटों में क्या अंतर है?

Options:
1) 15

2) 20

3) 25

4) 40

Correct Answer: 25

Candidate Answer: [NOT ANSWERED]

QID : 73 -

Mr. Raghav taught Geometry for 36 hours. If the time taken in teaching Ratio consitutes one-fourth of the time for Arithmetic, then for how much time (in hours) did he taught the topic of Ratio?

श्री राघव ज्यामिति को 36 घंटे पढ़ाते हैं। यदि अनुपात पढ़ाने में लगने वाले घंटे, अंकगणित में लगने वाले घंटों का एक चौथाई भाग है, तो अनुपात का विषय पढ़ाने के लिए वह कितना समय (घंटों में) लगाते हैं?

Options:
1) 46

2) 51.75

3) 69

4) 103.5

Correct Answer: 69

Candidate Answer: [NOT ANSWERED]

QID : 74 -

If Data Interpretation and Modern Maths were taught for a combined time of 96 hours, then for how much time (in hours) were Number system and Geometry taught?

यदि आँकड़ों का प्रस्तुतीकरण तथा आधुनिक गणित संयुक्त रूप से 96 घंटे के लिए पढ़ाए गए, तो संख्या पद्धति तथा ज्यामिति को कितने समय (घंटों में) तक पढ़ाया गया?

Options:
1) 136

2) 184

3) 216

4) 232

Correct Answer: 232

Candidate Answer: [NOT ANSWERED]

QID : 75 -

A new topic named Problem Solving was also introduced and it was decided that 10% time of all topics except Arithmetic will be devoted to it. What will be the central angle (in degrees) made by Problem Solving in the new pie chart?

समस्या समाधान नामक एक नया विषय शामिल किया गया है तथा तय हुआ कि अंकगणित के अलावा सभी विषयों का 10% समय इस विषय को दिया जायेगा। नए वृत्त चित्र में समस्या समाधान द्वारा बनाया गया मध्य कोण (डिग्री में) क्या होगा?

Options:
1) 17.28

2) 18

3) 19.44

4) 36

Correct Answer: 19.44

Candidate Answer: [NOT ANSWERED]

QID : 76 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No error'.

If you had **(1)**/ told me earlier **(2)**/ I will help you. **(3)**/ No Error **(4)**

Options:
1) 1
2) 2
3) 3
4) 4

Correct Answer: 3

Candidate Answer: 3

QID : 77 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No error'.

Her mother is **(1)**/ angry and **(2)**/ indifferent to me. **(3)**/ No Error **(4)**

Options:
1) 1
2) 2
3) 3
4) 4

Correct Answer: 2

Candidate Answer: 2

QID : 78 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Don't loiter _____ the corridor.
Options:
1) around
2) off
3) of
4) at

Correct Answer: around

Candidate Answer: [NOT ANSWERED]

QID : 79 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

I will scold him when _____.
Options:
1) he will come
2) he comes
3) he would come
4) he had come.

Correct Answer: he comes

Candidate Answer: he had come.

QID : 80 - In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Mellifluous
Options:
1) Shiver
2) Frank
3) Immoral
4) Dulcet

Correct Answer: Dulcet

Candidate Answer: [NOT ANSWERED]

QID : 81 - In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Dodge
Options:
1) Soften
2) Order
3) Avoid
4) Chaotic

Correct Answer: Avoid

Candidate Answer: [NOT ANSWERED]

QID : 82 - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Meretricious
Options:
1) Brazen
2) Natural
3) Exemplary
4) Gaudy
Correct Answer: Natural
Candidate Answer: [NOT ANSWERED]

QID : 83 - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Nebulous
Options:
1) Definite
2) Inchoate
3) Dismal
4) Sullen
Correct Answer: Definite
Candidate Answer: [NOT ANSWERED]

QID : 84 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase.

Spick and Span
Options:
1) High and low
2) Dark and light
3) Neat and clean
4) Happy and sad
Correct Answer: Neat and clean
Candidate Answer: Happy and sad

QID : 85 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase.

To draw the longbow
Options:
1) To nullify
2) To exaggerate
3) To underrate
4) To demarcate
Correct Answer: To exaggerate
Candidate Answer: To underrate

QID : 86 - Improve the bracketed part of the sentence.

By rescuing the child from fire, the local resident **(added another feather to his cap.)**
Options:
1) made a significant achievement
2) was gifted with precious thing
3) was crowned and rewarded
4) No improvement
Correct Answer: made a significant achievement
Candidate Answer: made a significant achievement

QID : 87 - Improve the bracketed part of the sentence.

The government plans to **(take up)** the construction project soon.
Options:
1) Take on
2) Take off
3) Take in
4) No improvement
Correct Answer: No improvement
Candidate Answer: Take on

QID : 88 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

A man devoid of kind feeling and sympathy.

Options:
1) Callous
2) Credulous
3) Gullible
4) Bohemian

Correct Answer: Callous

Candidate Answer: Gullible

QID : 89 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

One who eats two much

Options:
1) Impostor
2) Glutton
3) Hypochondriac
4) Intestate

Correct Answer: Glutton

Candidate Answer: Glutton

QID : 90 - In the following question, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

Options:
1) Forfeit
2) Gorilla
3) Blissfull
4) Corrupt

Correct Answer: Blissfull

Candidate Answer: Gorilla

QID : 91 - In the following question, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

Options:
1) Afforestation
2) Translusent
3) Foreigner
4) Achievement

Correct Answer: Translusent

Candidate Answer: Translusent

QID : 92 - The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P- The aim must be to ensure that our country does not experience either paucity or a-surfeit of trained manpower in any specific segment of our economy.
Q- When we set about the task of higher education, we should be absolutely clear in our perception of the goals of education in the specific context of our nation's development.
R- No doubt, one of the important aims of education would be to create the required range and nature of trained manpower assessed to be needed by different sectors of national growth.
S- The entire educational apparatus must be geared progressively to fulfill the requirements of different phases of our growth in every sector primary, secondary and tertiary.

Options:
1) SQPR
2) QRSP
3) SRQP
4) PSQR

Correct Answer: QRSP

Candidate Answer: [NOT ANSWERED]

QID : 93 - The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P- Bureaucratic cultures can smother those who want to respond to shifting conditions.
Q- Arrogant managers can overevaluate their current performance and competitive position listen poorly and learn slowly.
R- And the lack of leadership leaves no force inside these organizations to break out of the morass.
S- Inwardly focused employees can have difficulty seeing the very forces that present threats and opportunities.

Options:
1) PRQS
2) SPQR
3) RQPS
4) QSPR

Correct Answer: QSPR

Candidate Answer: [NOT ANSWERED]

QID : 94 - In the following question, a sentence has been given in Active/Passive voice. Out of four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.

She teaches us English.

Options:

1) English is being taught to us by her.

2) We are taught English by her.

3) English have been taught to us by her.

4) We had been taught English by her.

Correct Answer: We are taught English by her.

Candidate Answer: We are taught English by her.

QID : 95 - In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

Nisha said to Swati, " Will you help me in my project just now?"

Options:

1) Nisha told Swati whether she will help her in her project just now.

2) Nisha asked Swati if she would help her in her project just then.

3) Nisha questioned to Swati that will you help me in my project just now.

4) Nisha asked to Swati that will she help her in her work just now.

Correct Answer: Nisha asked Swati if she would help her in her project just then.

Candidate Answer: Nisha asked Swati if she would help her in her project just then.

QID : 96 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Democracy should _____ dignity of the individual. It should also aim at the _____ good of the greatest _____. The opposition party should _____ the wrong plans, policies and decisions of the government in power. The government should cater to the _____ needs of the people to make its position solid.

Democracy should _____ dignity of the individual.

Options:

1) built

2) ensure

3) keep

4) support

Correct Answer: ensure

Candidate Answer: ensure

QID : 97 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Democracy should _____ dignity of the individual. It should also aim at the _____ good of the greatest _____. The opposition party should _____ the wrong plans, policies and decisions of the government in power. The government should cater to the _____ needs of the people to make its position solid.

It should also aim at the _____ good

Options:

1) greatest

2) smallest

3) largest

4) heaviest

Correct Answer: greatest

Candidate Answer: [NOT ANSWERED]

QID : 98 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Democracy should _____ dignity of the individual. It should also aim at the _____ good of the greatest _____. The opposition party should _____ the wrong plans, policies and decisions of the government in power. The government should cater to the _____ needs of the people to make its position solid.

of the greatest _____. The opposition party

Options:

1) people

2) digit

3) number

4) individual

Correct Answer: number

Candidate Answer: people

QID : 99 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Democracy should _____ dignity of the individual. It should also aim at the _____ good of the greatest _____. The opposition party should _____ the wrong plans, policies and decisions of the government in power. The government should cater to the _____ needs of the people to make its position solid.

should _____ the wrong plans, policies and decisions of the government in power.

Options:
1) rely on
2) against
3) support
4) oppose

Correct Answer: oppose

Candidate Answer: oppose

QID : 100 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Democracy should _____ dignity of the individual. It should also aim at the _____ good of the greatest _____. The opposition party should _____ the wrong plans, policies and decisions of the government in power. The government should cater to the _____ needs of the people to make its position solid.

The government should cater to the _____ needs of the people to make its position solid.

Options:
1) genuine
2) mere
3) emotional
4) luxurious

Correct Answer: genuine

Candidate Answer: emotional