Question 1. Select the related word/letters/number from the given alternatives.

दिये गये विकल्पों में से संबंधित शब्द/अक्षर/संख्या को चुनिए।

EARTH : PLANET :: MOON : ?

पृष्ठीय : यह :: चांद : ?

**Options:**
1) SUN
2) UNIVERSE
3) VENUS
4) SATELLITE

**Correct Answer:** SATELLITE

**Candidate Answer:** SATELLITE

Question 2. Select the related word/letters/number from the given alternatives.

दिये गये विकल्पों में से संबंधित शब्द/अक्षर/संख्या को चुनिए।

EXOT : _________ : YDIN : VAFK

**Options:**
1) LQGB
2) BGLQ
3) QBGL
4) BGQL

**Correct Answer:** BGLQ

**Candidate Answer:** BGLQ

Question 3. Select the related word/letters/number from the given alternatives.

दिये गये विकल्पों में से संबंधित शब्द/अक्षर/संख्या को चुनिए।

100 : 10^2 : : 100000 : ?

**Options:**
1) 10^2
2) 10^4
3) 100^3
4) 100^4

**Correct Answer:** 10^5

**Candidate Answer:** 10^5
For the following questions

Find the odd word/letters/number pair from the given alternatives

दिये गये विकल्पों में से विषम बाद/ अक्षर/संख्या प्रत्येक दिनीजात

**Options:**
1) Temple मंदिर
2) Worship पूजन
3) Mosque मस्जिद
4) Church गिरजा पर

**Correct Answer:** Worship पूजन

**Candidate Answer:** Worship पूजन

For the following questions

Find the odd word/letters/number pair from the given alternatives

दिये गये विकल्पों में से विषम बाद/ अक्षर/संख्या प्रत्येक दिनीजात

**Options:**
1) M N O M
2) B D C B
3) X Z Y X
4) P R Q P

**Correct Answer:** M N O M

**Candidate Answer:** M N O M

For the following questions

Find the odd word/letters/number pair from the given alternatives

दिये गये विकल्पों में से विषम बाद/ अक्षर/संख्या प्रत्येक दिनीजात

**Options:**
1) 70, 80
2) 54, 62
3) 28, 32
4) 21, 24

**Correct Answer:** 54, 62

**Candidate Answer:** 54, 62

For the following questions

Arrange the following words as per order in the dictionary

निर्देशित शब्दों की शब्दक्रम में दिए गए शब्दों के लिखित

1) Pearl 2) Peasant 3) Pea 4) Peanut

**Options:**
1) 3, 1, 4, 2
2) 3, 4, 1, 2
3) 1, 3, 2, 4
4) 1, 2, 3, 4

**Correct Answer:** 3, 4, 1, 2

**Candidate Answer:** 3, 1, 4, 2
Question 8. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

अक्षरों का क्रिया-रा सम्म खाली स्थानों पर क्रमवार रखने से दी गई अक्षर श्रृंखला को पूरा करेगा?

gfe_igeli_feLf_gkl

Options:
1) ifgie
2) ifgie
3) eifgi
4) ifgie

Correct Answer: ifgie

Candidate Answer: ifgie

Question 9. Which one number when placed at the sign of interrogation shall complete the series

दिए गए विकल्पों में से कोन-सी संख्या प्रश्न वाचक चिन्ह पर रखने से श्रृंखला को पूरा करेगी?

3, 6, 18, 72, ...?..., 2160

Options:
1) 144
2) 216
3) 288
4) 360

Correct Answer: 360

Candidate Answer: 360

Question 10. Introducing a lady, a lady said, "She is the only daughter of Mohan's grandfather who is my husband's father". How does the lady relate herself with the introduced lady?

एक महिला का परिचय देते हुए दूसरी महिला ने कहा, कि वह महिला मोहन के दादा, जो मेरे पति के पिता है, की इकलौती बेटी है। दूसरी महिला का पहली से क्या सम्बन्ध है?

Options:
1) Aunt
2) Mother
3) Mother-in-law
4) Sister-in-law

Correct Answer: Sister-in-law

Candidate Answer: Sister-in-law

Question 11. Two years ago, Aadhyaa was three times as old as his son and two years hence, twice her age will be equal to five times that of her son. Find Aadhyaa's present age.

दो रात पहले आध्या की आयु अपने बेटे की आयु की 3 गुना थी, और 2 वर्ष बाद उसकी आयु का 2 गुना उसके बेटे की आयु के 5 गुने का समान होगा। आध्या की वर्तमान आयु क्या है?

Options:
1) 38 years
2) 36 years
3) 34 years
4) 42 years

Correct Answer: 38 years

Candidate Answer: [ NOT ANSWERED ]

Question 12. From the given alternative words, select the word which cannot be formed using the letters of the given word:

निर्दिष्ट विकल्पों में से वह शब्द चुनिए जो दिए गए शब्द के अक्षरों का प्रयोग करके नहीं बनाया जा सकता।

ADMINISTRATION

Options:
1) STRAIN
2) TRADITION
3) SITUATION
4) RATION
Question 13. If MOTHER is coded as KMRPCP, then HOUSE is coded as

यदि MOTHER को KMRPCP लिखा जाए, तो HOUSE को क्या लिखा जाएगा?

Options:
1) FMRPC
2) GNSQD
3) GNRCQ
4) FMSQC

Correct Answer: FMSQC

Candidate Answer: FMSQC

Question 14. If D stands for x, S stands for +, A stands for - and M stands for ÷, what is the value of the given expression?

यदि D का मतलब 'x', S का मतलब '+' , A का मतलब '-' , और M का मतलब '÷' हो, तो नीचे दिए गए समीकरण का मान ज्ञात कीजिए?

28D6S34M2AB6

Options:
1) 558
2) 3312
3) 137
4) 31

Correct Answer: 137

Candidate Answer: 137

Question 15. If 3 * 4 = 10, 5 * 8 = 18, 7 * 7 = ?

यदि 3 * 4 = 10, 5 * 8 = 18, हो, तो 7 * 7 = ?

Options:
1) 26
2) 21
3) 28
4) 49

Correct Answer: 21

Candidate Answer: 21

Question 16. In the following question, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

निम्नलिखित प्रश्न में एक अनुक्रम दिया गया है, जिसमें एक संख्या कुछ है। दिए गए विकल्पों में से सही उत्तर लाठिक अनुक्रम को पूरा कीजिए।

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<tr>
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<td>5</td>
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<td>120</td>
<td>45</td>
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</tbody>
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Options:
1) 19
2) 16
3) 15
4) 17

Correct Answer: 16

Candidate Answer: 16

Question 17. Rahul starts and walks towards the south, he then turns to his right and walks 5 kms, then again turns left and walks 3 kms and then again turns left and walks 5 kms. In which direction is he from the starting point?

राहुल दक्षिण की ओर चलता है, फिर अपने दाएं और मुड़कर 5 कि.मी. चलता है, फिर बाएं और मुड़कर 3 कि.मी. चलता है, दोबारा फिर बाएं और मुड़कर 5 कि.मी. चलता है। मुड़-आती बिना से वह किस दिशा में है?

http://thepracticetest.in/challengesystem/response_questions.php?i_id=MzA=&appid=19a571843b24af40c7dccc1f09bb87
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Options:
1) NORTH
2) SOUTH
3) EAST
4) WEST

Correct Answer: SOUTH

Candidate Answer: SOUTH

Question 18. Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statements:
a) Odisha is still an underdeveloped state.
b) Problems like poverty, unemployment and illiteracy have not been solved.

Conclusions:
I) The administration of Orissa is not sensitive enough.
II) It is the Will of God.

निर्देशित प्रमाण में एक या दो क्षण दिये गये हैं, जिसके अनुसार दो नियम/मान्यता, I और II निकाले गये हैं। आपको विचार करना है कि वक्रक्रम सच है या वह रामायण द्वारा त्यों से भिन्न प्रतीत होता है। आपको नियम करना है कि दिए गए वक्रक्रम में से कोन-सा निर्देशि क्षण से कोन-सा नियम/मान्यता निकाला जा सकता है?

कलना:
I) ओडिसा अब भी एक अविकसित प्रदेश है।
II) मोटरबाइक, ड्राइवरी, और फैक्टरी जैसे समस्याएं हल नहीं हुई हैं।

निम्नलिखित:
I) ओडिसा प्रदेश की शृंखला की परमाणुता परमाणुता नहीं है।
II) यह आश्चर्य की बात है।

Options:
1) Only I follows
   केवल नियम I सती है।
2) Only II follows
   केवल नियम II सती है।
3) Both I and II follow
   नियम I और II सती है।
4) Neither I and II follows
   ना हो नियम I और II सती है।

Correct Answer: Neither I and II follows
   ना हो नियम I और II सती है।

Candidate Answer: Only II follows
   केवल नियम II सती है।

Question 19. How many triangles are there in the following figure?

nezhi diye gae chaithra me kisan nikaal hain?

Options:
1) 12
2) 16
3) 10
4) 20

Correct Answer: 20

Candidate Answer: 16

Question 20. Which illustrates the relationship amongst Judges, thieves and criminals?

निर्देशित विकास में से कोन-सा वित्त नाराजीय है, चोरों और अपराधियों के बीच सही सम्बन्ध को दर्शाता है?

http://thepracticetest.in/challengesystem/response_questions.php?_id=MzA=&appid=1a4ff78943b24e40c79decdf09bb87

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Question 21. Which answer figure will complete the pattern in the question figure?

निर्दिष्ट रूप में आपकी उत्तर-आकृति प्रत्येक-आकृति के प्रतिरूप को पूरा करेगी?

Options:
1)

2)

3)

4)

Correct Answer:

Candidate Answer:
Question 22. From the given answer figures, select the one in which the question figure is hidden/embedded?

दिए गई उत्तर आकृतियों में से उठ आकृति को ढुंगे बिना में प्रश्न आकृति निहित है।
Question 23. A piece of paper is folded and punched as shown below. From the given responses, indicate how it will appear when open?

यदि किसी कपड़े को नीचे हिस्से गए प्रश्न के अनुसार मोड़कर उसमें छेद किया जाए तो खोलने के बाद वह किस आकृति जैसा दिखाई देगा?

![Options](image1)

![Options](image2)

![Options](image3)

![Options](image4)
Question 24: If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

यदि एक दर्शन को MN रेखा पर रखा जाए तो दी गई उत्तर आकृतियों में से कौन-सी आकृति प्रश्न आकृति का सही प्रतिश्रुति होगी?
Options:

1)

2) 

3) 

4) 

Correct Answer:

Candidate Answer:
Question 25. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., `K` can be represented by 00, 24, etc. and `A` can be represented by 55 etc. You have to identify the set for the word ‘SHIP’

निम्नलिखित प्रश्न में विकल्पों में दिए गए संख्या-समूह, अक्षरों के दो वर्गों द्वारा दर्शाए गए हैं, जैसे कि नीचे दिए गए हो अक्षरों में हैं। अख्तर 1 के सत्रांश और पंक्ति की संख्या 0 से 4 तक दी गई है, और अख्तर 2 के 5 से 9 तक, नृत्र अख्तरों से एक अख्तर की पहली उसकी पंक्ति और बाद में सत्रांश द्वारा दर्शाया जा सकता है। उदाहरण के लिए 'K' को 00, 24 आदि द्वारा दर्शाया जा सकता है, तथा 'A' को 55 द्वारा दर्शाया जा सकता है। इसी तरह से अपनी दिए हुए शब्द 'SHIP' के लिए समूह को पहचानना है।

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<td>T</td>
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Options:
1) 31, 56, 43, 10
2) 89, 12, 40, 99
3) 04, 21, 76, 44
4) 89, 56, 34, 11
Correct Answer: 31, 56, 43, 10

Candidate Answer: 31, 56, 43, 10

Question 26. Silver gets corroded due to __________ in air.

चांदी, हवा में __________ की उपस्थिति के कारण संकटित हो जाती है।

Options:
1) Oxygen ऑक्सीजन
2) Hydrogen Sulphide हाइड्रोजन सल्फाइड
3) Carbon dioxide कार्बन डाइऑксाइड
4) Nitrogen नाइट्रोजन
Correct Answer: Hydrogen Sulphide हाइड्रोजन सल्फाइड
Candidate Answer: Hydrogen Sulphide हाइड्रोजन सल्फाइड

Question 27. Which of the following is a radioactive element?

निम्नलिखित में से कौन-सा रेडियोपाइथ तक है?

Options:
1) Cobalt कोबाल्ट
2) Uranium यूरानियम
3) Argon अर्गन
4) Chromium च्रोमियम
Correct Answer: Uranium यूरानियम
Candidate Answer: Uranium यूरानियम

Question 28. Right to Constitutional Remedies comes under __________

संविधानिक उपाधियों का अधिकार किसके सहायता आता है?
Options:
1) Legal rights
   कैदी साधन
2) Fundamental rights
   मौखिक अधिकार
3) Human rights
   मानव अधिकार
4) Natural rights
   प्राकृतिक अधिकार

Correct Answer: Fundamental rights
   मौखिक अधिकार

Candidate Answer: Human rights
   मानव अधिकार

Question 29. Which of the digestive organs contains acid?

निया में से किस पाचन-अंग में, अम्ल होता है?

Options:
1) Stomach
   अपानिका
2) Small intestine
   छोटी अंतर
3) Appendix
   एपिफियस
4) Colon
   कोलोन

Correct Answer: Stomach
   अपानिका

Candidate Answer: Stomach
   अपानिका

Question 30. Which country is separated from India by a narrow channel of sea formed by the Palk Strait and the Gulf of Mannar.

पाक जलवायुभौगोलिक तथा मजाक की बाजार के लिए निर्मित हो समुद्री जलवायु के कारण इसमें से कौन-सा देश भारत से अलग है?

Options:
1) Bangladesh
   बांग्लादेश
2) Myanmar
   म्यांमार
3) Sri Lanka
   श्रीलंका
4) Pakistan
   पाकिस्तान

Correct Answer: Sri Lanka
   श्रीलंका

Candidate Answer: Sri Lanka
   श्रीलंका

Question 31. Which of the following fibres is considered as the strongest natural fibre?

नियतित में से कौन-सा रेशा सबसे मजबूत प्राकृतिक रेशों के पूरे में जाना जाता है?

Options:
1) Cotton
   कपसा
2) Jute
   जूटा
3) Wool
   ऊँचा
4) Silk
   रेशम

Correct Answer: Silk
   रेशम

Candidate Answer: Wool
   ऊँचा

Question 32. Purpose of an optical filter is to : ________

प्रकाशीय फिल्टर का उद्देश्य क्या है?
Options:
1. reflect lights of different colours
2. dispense light into component colours
3. reflect light of different colours
4. transmit or absorb light of different colours
Correct Answer: transmit or absorb light of different colours
Candidate Answer: [ NOT ANSWERED ]

Question 33: Which of the following is not a weighted code?

Options:
1. Excess 3 - Code
2. Binary Number System
3. Decimal Number System
4. BCD Number System
Correct Answer: Excess 3 - Code
Candidate Answer: [ NOT ANSWERED ]

Question 34: ‘Residex’ is associated with:

Options:
1. Share prices
2. Price Inflation
3. Mutual fund prices
4. Land prices
Correct Answer: Land prices
Candidate Answer: [ NOT ANSWERED ]

Question 35: Ozone saves the biosphere by absorbing high energy radiations called ________.

Options:
1. Infra-red (IR)
2. Gamma rays
3. Ultraviolet rays (UV)
4. X-rays
Correct Answer: Ultraviolet rays (UV)
Candidate Answer: Ultraviolet rays (UV)

Question 36: Birju Maharaj is a well known exponent of

Options:
1. Manipuri dance
2. Kathak
3. Odissi
4. Kathakali
Correct Answer: Kathak
Candidate Answer: Kathak

Question 37. In the absence of the earth's atmosphere, sky would appear

पृथ्वी के वायुमंडल की अनुपस्थिति में अकाश कैसा प्रतीत होगा?

Options:
1) blue
   नीला
2) deep red
   गहरा लाल
3) white
   श्याम
4) black
   काला

Correct Answer: black

Candidate Answer: [ NOT ANSWERED ]

Question 38. The First Woman President of the Indian National Congress was

भारतीय राष्ट्रीय कार्यक्रम की प्रथम महिला अध्यक्ष कौन थी?

Options:
1) Sarojini Naidu
   सरोजनी नाईडू
2) Vijayalakshmi Pandit
   विजयलक्ष्मी पंडेत
3) Annie Besant
   एनी बेसेंट
4) Kamaladevi Chattopadhyay
   कामालदेवी चट्टोपाध्याय

Correct Answer: Annie Besant

Candidate Answer: Annie Besant

Question 39. Which of the following programmes meet the credit needs of poor women?

निपटाई में से कौन-सा कार्यक्रम स्तव्रिक स्त्रियों की उच्च आवश्यकताओं की पूर्ति करता है?

Options:
1) Mahila Samridhi Yojna
   महिला समृद्धि योजना
2) Rashtriya Mahila Kosh
   राष्ट्रीय महिला कोष
3) Indira Mahila Yojna
   इंदिरा महिला योजना
4) Mahila Samaksha Programme
   महिला समक्षा कार्यक्रम

Correct Answer: Rashtriya Mahila Kosh

Candidate Answer: Mahila Samridhi Yojna

Question 40. The Comptroller and Auditor-General of India submits his report relating to the accounts of the Union to the ________.

भारत के निपटाई एवं महादेश परीक्षक लेखा-नोटिका समन्वयी पिपोई किसको प्रस्तुत करते है?

Options:
1) Finance Minister
   वित्त मंत्री
2) Prime Minister
   प्रधान मंत्री
3) President
   राष्ट्रपति
4) Chief Justice of the Supreme Court
   सी.जे.एस.सी. के मुख्य न्यायदैनिक

Correct Answer: President

Candidate Answer: Finance Minister

Question 41. The first Buddhist Council was held at ________.

प्रथम बौद्ध परिषद कहाँ आयोजित की गई थी?

http://thepracticeetest.in/challengesystem/response_questions.php?i_d=MzA=8&appid=1a4ff78943b24a40c79deccf09bb87
Question 42. Where do the Western and Eastern Ghats meet?

पश्चिमी व पूर्वी घाटों का मिलन कहाँ होता है?

Options:
1) Nilgiri hills नीलगिरी की पहाड़ियों में
2) Cardamom hills कार्डामोम की पहाड़ियों में
3) Palani hills पलाणी की पहाड़ियों में
4) Anamalai hills अनामालाई की पहाड़ियों में

Correct Answer: Nilgiri hills नीलगिरी की पहाड़ियों में

Candidate Answer: [ NOT ANSWERED ]

Question 43. Who was the founder of the Satavahana Empire?

सतावहन साम्राज्य के संस्थापक कौन थे?

Options:
1) Kanha कान्हा
2) Simuka सिमुका
3) Hala हला
4) Gautamiputra गौतमपुर्ता

Correct Answer: Simuka सिमुका

Candidate Answer: Simuka सिमुका

Question 44. Indian National Congress split for the first time in its session at

भारतीय राष्ट्रीय कांग्रेस का प्रथम विभाजन उसके कहाँ के स्थान में हुआ?

Options:
1) Allahabad अल्हाबाद
2) Calcutta कলकाता
3) Surat सूरत
4) Lahore लاهौर

Correct Answer: Surat सूरत

Candidate Answer: Lahore लاهौर

Question 45. Silica gel is a

सिलिका जैल क्या है?

Options:
1) moisturizer आरोपोपोर क्रियान
2) flavouring agent स्वातन्त्र्य तत्त
3) drying agent अणु खाना वाला पदार्थ
4) delicious food स्वादिष्ट भोजन

Candidate Answer: Drying agent अणु खाना वाला पदार्थ
Correct Answer: drying agent
Candidate Answer: moisturizer

Correct Answer: Purushottam Express  पुरुषोत्तम एक्सप्रेस
candidate answer: Shramjeevi Express  श्रमजीवी एक्सप्रेस

Question 47. Biofertilizers convert nitrogen to ________.

Options:
1) nitrates नाइट्रेट्स
candidate answer: ammonia अम्लवायर

Correct Answer: ammonia अम्लवायर
candidate answer: amino acids अम्लीय एसिड्स

Question 48. Shiva Thapa is associated with which of the following sports?

Options:
1) Boxing बॉक्सिंग
candidate answer: Golf गोल्फ

Correct Answer: Boxing बॉक्सिंग

Candidate Answer: [ NOT ANSWERED ]

Question 49. The natural habitat of Rhinoceros in India is

Options:
1) Bharatpur भरतपुर
candidate answer: Gir forest गीर वन

Correct Answer: Khaziranga काजीरांगा

Candidate Answer: [ NOT ANSWERED ]

Question 50. Which country recently voted to leave the European Union (EU)?

haal hi me kis desh ne purano sambandh se aisa karne ka nirmal kha?
Question 51. 36 men together can build a wall 140 m long in 21 days; the number of men working at the same rate required to build the same wall in 14 days is

Options:
1) 54
2) 36
3) 18
4) 48

Correct Answer: 54

Question 52. The perimeters of a square and a rectangle are equal. If their area be 'A' m² and 'B' m² then correct statement is

एक वर्ग और एक आयत के परिमार्त समान हैं। यदि उनके क्षेत्रफल 'A' वर्गमी. हो और 'B' वर्गमी. हो तो सही कथन क्या है?

Options:
1) A < B
2) A > B
3) A > B
4) A > B

Correct Answer: A > B

Question 53. A man bought a watch for 10% discount. If he had bought for 20% discount he would have got the watch for ₹ 125 less. The marked price of the watch is

किसी व्यक्ति ने एक घड़ी 10% की छूट पर खरीदी। यदि उसे 20% की छूट पर खरीदता तो उसे घड़ी ₹ 125 कम मिलती। घड़ी का अधिक मूल्य बताइए?

Options:
1) ₹ 2500
2) ₹ 1250
3) ₹ 3750
4) ₹ 1000

Correct Answer: ₹ 1250

Question 54. The compound ratio of the inverse ratios of the ratios x : yz, y : zx, z : xy is:

x : yz, y : zx, z : xy अनुपात के चिन्ह अनुपातों का मिश्र अनुपात बनाइए?

Options:
1) 1 : xyz
2) xyz : 1
3) 1 : 1
4) x : yz

Correct Answer: xyz : 1

Question 55. By selling a tape-recorder for ₹ 1040 a man gains 4%. If he sells it for ₹ 950, his loss will be

एक टेप-रिकॉर्डर को ₹ 1040 में बेचने पर एक व्यक्ति को 4% का लाभ होता है। यदि वह इसे ₹ 950 में बेचे तो उसे कितना नुकसान होगा?

Options:
1) 5%
2) 4%
3) 4.5%
4) 9%

Correct Answer: 5%

Question 56. What will be the percentage of increase in the area of a square when each of its sides is increased by 10%?

परिमार्त वर्ग के प्रत्येक भुजा को 10% बढ़ा दिया जाए तो उसके क्षेत्रफल का कितना प्रतिशत वाल्य होगा?

Options:
1) 20
2) 11
3) 121
4) 21

Correct Answer: 21
Correct Answer: 21
Candidate Answer: 21

Question 57. Every Sunday, Gin jogs 3 miles. For the rest of the week, each day he jogs 1 mile more than the previous day. How many miles Gin jogs in 2 weeks?

Options:
1) 42
2) 63
3) 84
4) 98
Correct Answer: 84
Candidate Answer: 84

Question 58. If \( p^3 \cdot q^3 = (p - q)(p + q)^2 \cdot x \cdot p \cdot q \) then the value of \( x \) is

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

Question 59.

On simplification the value of \( 1 - \frac{1}{1 + \sqrt{2}} + \frac{1}{1 - \sqrt{2}} \) is

Options:
1) \( 2\sqrt{2} - 1 \)
2) 1 - \( 2\sqrt{2} \)
3) 1 - \( \sqrt{2} \)
4) -\( 2\sqrt{2} \)
Correct Answer: 1 - \( 2\sqrt{2} \)
Candidate Answer: 1 - \( 2\sqrt{2} \)

Question 60. A rectangle with one side of length 4 cm is inscribed in a circle of diameter 5 cm. Find area of the rectangle

Options:
1) 21 \( \text{cm}^2 \)
2) 12 \( \text{cm}^2 \)
3) 4 \( \text{cm}^2 \)
4) 3 \( \text{cm}^2 \)
Correct Answer: 12 \( \text{cm}^2 \)
Candidate Answer: 12 \( \text{cm}^2 \)

Question 61. ABCD is a cyclic trapezium with \( AD || BC \). If \( \angle A = 105^\circ \), then other three angles are

Options:
1) \( \angle D = 105^\circ \)
2) \( \angle B = 105^\circ \)
3) \( \angle C = 105^\circ \)
4) \( \angle B = 75^\circ \)
Correct Answer: \( \angle D = 105^\circ \)
Candidate Answer: \( \angle D = 105^\circ \)
Question 62. If \( \sec 150 = \csc 150 (0^\circ < \theta < 10^\circ) \) then value of \( \theta \) is

Options:
1) 90°
2) 5°
3) 8°
4) 3°

Correct Answer: 3°
Candidate Answer: 3°

Question 63.

If \( x = (0.25)^{\frac{1}{3}}, y = (0.4)^{\frac{1}{3}}, z = (0.216)^{\frac{1}{3}} \), then

Options:
1) \( Y > X > Z \)
2) \( x > y > z \)
3) \( Z > X > Y \)
4) \( X > Z > Y \)

Correct Answer: \( Z > X > Y \)
Candidate Answer: \( Z > X > Y \)

Question 64. Average runs scored by 11 players of a cricket team is 23 runs. If the first player scored 113 runs. Find the average runs of the remaining players.

Options:
1) 8 runs
2) 12 runs
3) 14 runs
4) 27 runs

Correct Answer: 14 runs
Candidate Answer: 14 runs

Question 65.

If \( a^2 = by + cz, b^2 = cx + ax, c^2 = ax + by \), then the value of \( \frac{x}{a+x} + \frac{y}{b+y} + \frac{z}{c+z} \) is

Options:
1) 1
2) \( a + b + c \)
3) \( \frac{1}{a} + \frac{1}{b} + \frac{1}{c} \)
4) 0
Correct Answer: 1
Candidate Answer: [ NOT ANSWERED ]

Question 66.
If $x^2+y^2=29$ and $xy=10$, where $x>0, y>0, x>y$ then the value of $\frac{x+y}{x-y}$ is

यदि $x^2+y^2=29$ और $xy=10$, जहाँ $x>0, y>0, x>y$ तो $\frac{x+y}{x-y}$ का मान ज्ञात कीजिये?

Options:
1) $-7/3$
2) $7/3$
3) $3/7$
4) $-3/7$

Correct Answer: $7/3$
Candidate Answer: $7/3$

Question 67. The ratio of circumradius and radius of an equilateral triangle is

किसी समबाहु त्रिभुज के परिवृत्त और उसके त्रिज्या में का अनुपात होगा?

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

Correct Answer: 2:1
Candidate Answer: 1:3

Question 68. $AB$ is a diameter of the circle with centre $O$, $CD$ is chord of the circle, If $\angle BOC = 120^\circ$, then the value of $\angle ADC$ is

$AB$ किसी त्रिभुज का व्यास है जिसका केंद्र $O$ है। $CD$ की जीवा $CD$ है। $\angle BOC = 120^\circ$ हो तो $\angle ADC$ का मान क्या है?

Options:
1) $42^\circ$
2) $30^\circ$
3) $60^\circ$
4) $35^\circ$

Correct Answer: $30^\circ$
Candidate Answer: $60^\circ$

Question 69. A straight tree breaks due to storm and the broken part bends so that the top of the tree touches the ground making an angle of $30^\circ$ with the ground. The distance from the foot of the tree to the point, where the top touches the ground is 10 m. Find the total height of the tree?

एक बीतरी पेड़ तूफान की वजह से दुंग जाता है और ट्रांस भाग इस प्रकार तुक जाता है कि पेड़ का शीर्ष भाग भूमि पर $30^\circ$ का कोण बनाते हुए भूमि को रोमां करते लागता है। पेड़ के तल से उस भिंत्रू सम्म तक की दूरी जबर्खालभाग भूमि को सर्वत्रां कराता है, 10 मी. है। पेड़ की कुल ऊंचाई कितनी होगी?

Options:
1) $10\sqrt{3}$ m
2) $\frac{10\sqrt{3}}{3}$ m
3) $10 (\sqrt{3} + 1)$ m
4) $10 (\sqrt{3} - 1)$ m

Correct Answer: $10\sqrt{3}$ m
Candidate Answer: $10\sqrt{3}$ m

Question 70. The compound interest on a certain sum for 2 years at 10% per annum is Rs. 525. The simple interest on the same sum for double the time at half the rate percent per annum is:

किसी राशि पर 10 % वार्षिक की दर से 2 वर्ष का चक्रवृद्धि ब्याज Rs. 525 है। उसी राशि पर दुगुने समय के लिए वार्षिक दर प्रतिवार आधी होने पर साधारण ब्याज कितना होगा?

http://thepracticetest.in/challengesystem/response_questions.php?i_id=MzA=8&appid=1a4ff78943b24a40c79dec1f09bb87 20/29
Question 71. If \( \tan \theta = \tan 30^\circ \cdot \tan 60^\circ \) and \( \theta \) is an acute angle, then \( 2\theta \) is equal to

\[ \text{यदि} \tan \theta = \tan 30^\circ \cdot \tan 60^\circ \text{ और } \theta \text{ एक न्यून कोण है} \text{ तो } 2\theta \text{ का मान बता है} ? \]

**Options:**
1) 30°
2) 45°
3) 90°
4) 0°

**Correct Answer:** 90°

**Candidate Answer:** 90°

Question 72. Study the following Bar graph and answer the question. The Bar Graph gives the annual rates of inflation in percentages for 1975 and 1987.

निम्नलिखित बार-ग्राफ का अध्ययन करें और प्रश्नों का उत्तर दें। बार-ग्राफ में वर्ष 1975 से 1987 तक प्रतिवर्ष में मुद्रा-रक्षित की वार्षिक दर प्रतिवर्ष में दी गई है।

From 1975 to 1987, inflation rate increased in the third world countries approximately by

वर्ष 1975 से 1987 के बीच तीसरी दुनिया के देशों में मुद्रा-रक्षित की दर में कितनी क्षमता हुई?

**Options:**
1) 10%
2) 20%
3) 30%
4) 36%

**Correct Answer:** 36%

**Candidate Answer:** 20%
Question 73. Study the following bar graph and answer the question. The bar graph gives the annual rates of inflation in percentages for 1975 and 1987.

The change in rate of inflation was least in which of the following?

Options:
1) Developed Nations
2) UK
3) World
4) Third World

Correct Answer: World
Candidate Answer: [ NOT ANSWERED ]
Comparing the figures for USA vis-a-vis the developed nations, it can be concluded that

.options:
1) USA had better control on inflation
2) Developed nations had better control on inflation

The inflation rate continues to be the same for USA and developed nations.

No conclusions can be drawn.

Correct Answer: USA had better control on inflation

Candidate Answer: [ NOT ANSWERED ]
Question 75. Study the following Bar graph and answer the question. The Bar Graph gives the annual rates of inflation in percentages for 1975 and 1987.

निम्नलिखित बार-ग्राफ का अध्ययन करें और प्रश्नों का उत्तर दें। बार-ग्राफ में वर्ष 1975 से 1987 तक प्रतिवर्ष में मुद्रा-स्फीति की वार्षिक दर प्रतिवर्ष में दी गई है।

In the year 1987, the inflation rate in the third world countries vis-a-vis the world jumped approximately by

वर्ष 1987 में विश्व की तुलना में तीसरी दुनिया के देशों में मुद्रा स्फीति की दर में लगभग कितनी बढ़ती हुई?

Options:
1) 135%
2) 126%
3) 122%
4) 200%

Correct Answer: 126%
Candidate Answer: [ NOT ANSWERED ]

Question 76. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

RECTIFY

Options:
1) SATISFY
2) CORRECT
3) REDUCE
4) PACIFY

Correct Answer: CORRECT
Candidate Answer: SATISFY

Question 77. In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it.

VANQUISH

Options:
1) VANISH
2) VARNISH
3) SURRENDER
4) TRAMPLE

Correct Answer: SURRENDER
Candidate Answer: VANISH

Question 78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

http://thepracticetest.in/challengesystem/response_questions.php?l_id=MzA=4&amp;pid=1a4ff78943b24a40c79decff09bb87
Options:
1) Grotesque
2) Grotesque
3) Grotesque
4) Grotesque
Correct Answer: Grotesque
Candidate Answer: Grotesque

Question 79. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

Here is something pretty (A) / that you can (B) / wear on the party (C) / No Error (D)
Options:
1) A
2) B
3) C
4) D
Correct Answer: C
Candidate Answer: [ NOT ANSWERED ]

Question 80. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

He was for all (A) / selling the car (B) / and buying a bicycle (C) / No Error(D)
Options:
1) A
2) B
3) C
4) D
Correct Answer: A
Candidate Answer: A

Question 81. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

Look at what (A) / I am doing (B) / and do like I do (C) / No Error (D)
Options:
1) A
2) B
3) C
4) D
Correct Answer: C
Candidate Answer: C

Question 82. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

See me tomorrow without __________.
Options:
1) falls
2) failure
3) fail
4) failing
Correct Answer: fail
Candidate Answer: [ NOT ANSWERED ]

Question 83. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

Radium _________ rays that blind the eyes.
Options:
1) gives away
2) gives over
3) gives up
4) gives off
Correct Answer: gives off
Candidate Answer: gives away

Question 84. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

You will have to work _________ you are in the office.
Options:
1) as long as
2) as good as
3) as far as
4) so far as
Correct Answer: as long as
Candidate Answer: as long as

Question 85. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

To add fuel to the fire
Options:
1) Prevent fire from dying out
2) Make the fire burn brightly
3) Make things worse
4) Waste fuel for no reason.
Correct Answer: Make things worse
Candidate Answer: Prevent fire from dying out

Question 86. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

To take to heart
Options:
1) To be greatly affected
2) To take something heartily
3) To strike at the heart, out of enjoyment
4) To suffer from heart disease
Correct Answer: To be greatly affected
Candidate Answer: To be greatly affected

Question 87. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

To bring to light
Options:
1) To put on light
2) To reveal
3) To bring a light
4) To arrange light sufficiently
Correct Answer: To reveal
Candidate Answer: To reveal

Question 88. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Lying in my room, the music could be heard
Options:
1) I could hear the music
2) The music can be heard
3) The music can be heard by me
4) No improvement
Correct Answer: I could hear the music
Candidate Answer: [ NOT ANSWERED ]

Question 89. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Come quickly if you will catch the train
Options:
1) you want to
2) you shall
3) you could
4) No improvement
Correct Answer: you want to
Candidate Answer: you want to

Question 90. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

At the sound of foot steps he turned round fast really
Options:
1) real fast
2) real fastly
3) real faster
4) No improvement
Correct Answer: real fast
Candidate Answer: [ NOT ANSWERED ]
Question 91. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Only a few people came to the art exhibition as it was raining hard all day.

**Options:**
1. few
2. little
3. a small amount of
4. No improvement

**Correct Answer:** No improvement

**Candidate Answer:** few

Question 92. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

His immediate ambition was to find a place to live in.

**Options:**
1. Strategy
2. Design
3. Aim
4. No improvement

**Correct Answer:** Aim

**Candidate Answer:** [ NOT ANSWERED ]

Question 93. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

A large body of people playing various musical instruments,

**Options:**
1. Melody
2. Harmony
3. Elocution
4. Orchestra

**Correct Answer:** Orchestra

**Candidate Answer:** Orchestra

Question 94. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

Solemn religious acts

**Options:**
1. Demonstrations
2. Celebrations
3. Rites
4. Functions

**Correct Answer:** Rites

**Candidate Answer:** Rites

Question 95. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

That which cannot be averted

**Options:**
1. Inevitable
2. Irreparable
3. Incomparable
4. Indisputable

**Correct Answer:** Inevitable

**Candidate Answer:** Inevitable

Question 96. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

The function of education is to prepare young people to understand the whole process of life. The end of education is not merely to pass some examinations and get a job and earn one's livelihood. If education is to make people understand life, then surely life is not merely a job or an occupation; life is something extraordinarily wide and profound; it is a great mystery, a vast realm in which we function as human beings. If we prepare ourselves only to earn a livelihood, we shall miss the whole point of life. To understand life is much more important than to get a degree or pass an examination for a job. Life, with all its subtleties, is such a vast expanse. It has its extraordinary beauty, its sorrows and joys. It also has in it a hidden thing of the mind such as envies, ambitions, passions, fears, fulfilments and anxieties. The birds, the flowers, the flourishing trees, the heavens, the stars, the rivers and the fishes therein - all this is life. When we are young we must seek and find out what life is all about. Thus we cultivate intelligence with the help of education. Intelligence is the capacity to think freely, without fear, without a formula, so that we begin to discover for ourselves what is real and what is true. Anyone who is gripped with fear will never be intelligent. Most of us have fear in one form or another. Where there is fear there is no intelligence. Thus what education should do is help us understand the need of freedom. Unless we are free we will not understand the whole process of living. When we are free we have no fear. We do not imitate but we discover.

What is the effect of fear on humans?

**Options:**
1. We understand life's great mystery.
2. We are not able to develop our intelligence.
3. We think freely.
4. We see the vast expanse of life.

http://thepracticeetest.in/challengesystem/response_questions.php?i_id=MzA=&appid=1a4ff789413b24a40c79deccf09bb87
Correct Answer: We are not able to develop our intelligence.
Candidate Answer: We understand life's great mystery.

Question 97. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

The function of education is to prepare young people to understand the whole process of life. The end of education is not merely to pass some examinations and get a job and earn one’s livelihood. If education is to make people understand life, then surely life is not merely a job or an occupation; life is something extraordinarily wide and profound, it is a great mystery, a vast realm in which we function as human beings. If we prepare ourselves only to earn a livelihood, we shall miss the whole point of life. To understand life is much more important than to get a degree or pass an examination for a job. Life, with all its subtleties, is such a vast expanse. It has its extraordinary beauty, its sorrows and joys. It also has its hidden things of the mind such as envies, ambitions, passions, fears, fulfillsments and anxieties. The birds, the flowers, the flourishing trees, the heavens, the stars, the rivers and the fishes therein - all this is life. When we are young we must seek and find out what life is all about. Thus we cultivate intelligence with the help of education. Intelligence is the capacity to think freely, without fear, without a formula, so that we begin to discover for ourselves what is real and what is true. Anyone who is gripped with fear will never be intelligent. Most of us have fear in one form or another. Where there is fear there is no intelligence. Thus what education should do is help us understand the need of freedom. Unless we are free we will not understand the whole process of living. When we are free we have no fear. We do not imitate but we discover.

The aim of education is to make us realise the need of _________.

Options:
1) understanding science
2) freedom
3) jobs
4) passing examinations
Correct Answer: freedom
Candidate Answer: jobs

Question 98. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

The function of education is to prepare young people to understand the whole process of life. The end of education is not merely to pass some examinations and get a job and earn one’s livelihood. If education is to make people understand life, then surely life is not merely a job or an occupation; life is something extraordinarily wide and profound, it is a great mystery, a vast realm in which we function as human beings. If we prepare ourselves only to earn a livelihood, we shall miss the whole point of life. To understand life is much more important than to get a degree or pass an examination for a job. Life, with all its subtleties, is such a vast expanse. It has its extraordinary beauty, its sorrows and joys. It also has its hidden things of the mind such as envies, ambitions, passions, fears, fulfillsments and anxieties. The birds, the flowers, the flourishing trees, the heavens, the stars, the rivers and the fishes therein - all this is life. When we are young we must seek and find out what life is all about. Thus we cultivate intelligence with the help of education. Intelligence is the capacity to think freely, without fear, without a formula, so that we begin to discover for ourselves what is real and what is true. Anyone who is gripped with fear will never be intelligent. Most of us have fear in one form or another. Where there is fear there is no intelligence. Thus what education should do is help us understand the need of freedom. Unless we are free we will not understand the whole process of living. When we are free we have no fear. We do not imitate but we discover.

When we are young we should _________.

Options:
1) seek the meaning of life
2) study and get a degree
3) try for a good job
4) study science
Correct Answer: seek the meaning of life
Candidate Answer: seek the meaning of life

Question 99. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

The function of education is to prepare young people to understand the whole process of life. The end of education is not merely to pass some examinations and get a job and earn one’s livelihood. If education is to make people understand life, then surely life is not merely a job or an occupation; life is something extraordinarily wide and profound, it is a great mystery, a vast realm in which we function as human beings. If we prepare ourselves only to earn a livelihood, we shall miss the whole point of life. To understand life is much more important than to get a degree or pass an examination for a job. Life, with all its subtleties, is such a vast expanse. It has its extraordinary beauty, its sorrows and joys. It also has its hidden things of the mind such as envies, ambitions, passions, fears, fulfillsments and anxieties. The birds, the flowers, the flourishing trees, the heavens, the stars, the rivers and the fishes therein - all this is life. When we are young we must seek and find out what life is all about. Thus we cultivate intelligence with the help of education. Intelligence is the capacity to think freely, without fear, without a formula, so that we begin to discover for ourselves what is real and what is true. Anyone who is gripped with fear will never be intelligent. Most of us have fear in one form or another. Where there is fear there is no intelligence. Thus what education should do is help us understand the need of freedom. Unless we are free we will not understand the whole process of living. When we are free we have no fear. We do not imitate but we discover.

Education helps us realize the _________.

Options:
1) way to develop our career
2) need for good health
3) meaning of fear
4) necessity of freedom
Correct Answer: necessity of freedom
Candidate Answer: necessity of freedom
Question 100. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

The function of education is to prepare young people to understand the whole process of life. The end of education is not merely to pass some examinations and get a job and earn one’s livelihood. If education is to make people understand life, then surely life is not merely a job or an occupation; life is something extraordinarily wide and profound, it is a great mystery, a vast realm in which we function as human beings. If we prepare ourselves only to earn a livelihood, we shall miss the whole point of life. To understand life is much more important than to get a degree or pass an examination for a job. Life, with all its subtleties, is such a vast expanse. It has its extraordinary beauty, its sorrows and joys. It also has its hidden things of the mind such as envies, ambitions, passions, fears, fulfillments and anxieties. The birds, the flowers, the flourishing trees, the heavens, the stars, the rivers and the fishes therein - all this is life. When we are young we must seek and find out what life is all about. Thus we cultivate intelligence with the help of education. Intelligence is the capacity to think freely, without fear, without a formula, so that we begin to discover for ourselves what is real and what is true. Anyone who is gripped with fear will never be intelligent. Most of us have fear in one form or another. Where there is fear there is no intelligence. Thus what education should do is help us understand the need of freedom. Unless we are free we will not understand the whole process of living. When we are free we have no fear. We do not imitate but we discover.

The passage is about ________ .

Options:
1) Education
2) Freedom
3) Intelligence
4) Livelihood

Correct Answer: Education

Candidate Answer: Livelihood