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Challenges



## Staff Selection Commission

(Government Of India)

**REGISTRATION NUMBER :**  
**EXAM DATE : 6-August-2017**  
**EXAM NAME : SSC Examination**  
**TOTAL MARKS : 200**

**CANDIDATE NAME :**  
**EXAM START TIME : 16:15:00**  
**EXAM DURATION : 01:20 Hrs**  
**TOTAL NO OF QUESTIONS : 100**

**QID : 101** - Select the related word from the given alternatives.

**Lips : Smile:: Eyes : ?**

दिए गए विकल्पों में से संबंधित शब्द को चुनिए।

**होंठ : मुस्कान :: आंखें : ?**

**Options:**

- 1) Black  
काला
- 2) Wink  
झपकी
- 3) Two  
दो
- 4) Spectacles  
चश्मा

**Correct Answer:** Wink

झपकी

**Candidate Answer:** Wink

झपकी

**QID : 102** - Select the related letters from the given alternatives.

**EHJ : KNP :: SVX : ?**

दिए गए विकल्पों में से संबंधित अक्षरों को चुनिए।

**EHJ : KNP :: SVX : ?**

**Options:**

- 1) XZZ
- 2) YBD
- 3) BDF
- 4) ZBD

**Correct Answer:** YBD

**Candidate Answer:** YBD

**QID : 103** - Select the related number from the given alternatives.

**357 : 714 :: 468 : ?**

दिए गए विकल्पों में से संबंधित संख्या को चुनिए।

**357 : 714 :: 468 : ?**

**Options:**

- 1) 579
- 2) 417
- 3) 936
- 4) 864

**Correct Answer:** 936

**Candidate Answer:** 936

**QID : 104** - Select the odd word from the given alternatives.

दिए गए विकल्पों में से विषम शब्द को चुनिए।

**Options:**

- 1) Almond  
बादाम
- 2) Dates  
खजूर
- 3) Walnut  
अखरोट
- 4) Cashew  
काजू

**Correct Answer:** Dates

खजूर

**Candidate Answer:** Dates

खजूर

**QID : 105** - Select the odd letters from the given alternatives.

दिए गए विकल्पों में से विषम अक्षरों को चुनिए।

**Options:**

1) XWV

2) RQP

3) HFE

4) MLK

**Correct Answer:** HFE

**Candidate Answer:** HFE

**QID : 106** - Select the odd number from the given alternatives.

दिए गए विकल्पों में से विषम संख्या को चुनिए।

**Options:**

1) 23

2) 29

3) 37

4) 33

**Correct Answer:** 33

**Candidate Answer:** 33

**QID : 107** - A series is given, with one word missing. Choose the correct alternative from the given ones that will complete the series.

**Queen, Aqua, Pique, Torque, Antique, ?**

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

**Queen, Aqua, Pique, Torque, Antique, ?**

**Options:**

1) Squad

2) Quadrilateral

3) Prerequisite

4) Queue

**Correct Answer:** Prerequisite

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 108** - A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

**F, I, M, P, T ?**

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

**F, I, M, P, T ?**

**Options:**

1) W

2) X

3) Y

4) Z

**Correct Answer:** W

**Candidate Answer:** W

**QID : 109** - A series is given, with one number missing. Choose the correct alternative from the given ones that will complete the series.

**72, 65.7, ?, 53.1, 46.8**

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

**72, 65.7, ?, 53.1, 46.8**

**Options:**

1) 59.4

2) 60.4

3) 59.3

4) 60.3

**Correct Answer:** 59.4

**Candidate Answer:** 60.4

**QID : 110** - Kavya's birthday is on Tuesday 4th July. On what day of the week will be Anika's Birthday in the same year, if Anika was born on 15th August?

काव्या का जन्मदिन 4 जुलाई, दिन मंगलवार को है। यदि अनिका का जन्म 15 अगस्त को हुआ था, तो उसी वर्ष अनिका का जन्मदिन सप्ताह के किस दिन होगा?

**Options:**

- 1) Wednesday  
बुधवार  
2) Friday  
शुक्रवार  
3) Saturday  
शनिवार  
4) Tuesday  
मंगलवार

**Correct Answer:** Tuesday

मंगलवार

**Candidate Answer:** Wednesday

बुधवार

**QID : 111** - The weights of 4 boxes are 70, 100, 20 and 40 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes?

चार बक्सों का वजन 70, 100, 20 और 40 किलोग्राम है। निम्नलिखित में से बक्सों के किसी भी संयोजन से कुल वजन, किलोग्राम में कौन सा नहीं हो सकता?

**Options:**

- 1) 230  
2) 190  
3) 160  
4) 200

**Correct Answer:** 200**Candidate Answer:** 200

**QID : 112** - From the given words, select the word which cannot be formed using the letters of the given word.

**SYMBOLIC**

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

**SYMBOLIC****Options:**

- 1) BASIC  
2) SMILY  
3) CLIMB  
4) COILS

**Correct Answer:** BASIC**Candidate Answer:** BASIC

**QID : 113** - If **HEROISM** is coded as **SVILRHN**, then how will **ALP** be coded as?

यदि **HEROISM** को किसी कोड में **SVILRHN** लिखा जाता है, तो **ALP** को उसी कोड में क्या लिखा जाएगा?

**Options:**

- 1) LTV  
2) ZSX  
3) SGD  
4) ZOK

**Correct Answer:** ZOK**Candidate Answer:** ZOK

**QID : 114** - In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question?

$$15 - 5 + 25 \div 10 = ?$$

किसी कोड भाषा में, '+' का मतलब 'x' है, '-' का मतलब '+' है, 'x' का मतलब '÷' है और '÷' का मतलब '-' है। निम्नलिखित प्रश्न का उत्तर क्या है?

$$15 - 5 + 25 \div 10 = ?$$

**Options:**

- 1) 22  
2) -4  
3) 17  
4) 130

**Correct Answer:** 130**Candidate Answer:** 130

**QID : 115** - If  $23@5=56$ ;  $6@7=26$ ;  $5@2=14$ ; then what is the value of  $7@5=?$

यदि  $23@5=56$ ;  $6@7=26$ ;  $5@2=14$ ; तो  $7@5=?$  का मान ज्ञात कीजिये।

**Options:**

- 1) 26  
2) 24  
3) 19  
4) 52

**Correct Answer:** 24**Candidate Answer:** 24

**QID : 116** - A and B start from the same point. A cycles 10 km South, then turns to her right and cycles 9 km. B cycles 2 km North, then turns West and cycles 15 km, then turns to her left and cycles 12 km. Where is B with respect to A now?

A और B एक ही बिंदु से शुरू करते हैं। A 10 किलोमीटर दक्षिण की ओर साइकिल चलाता है, फिर अपनी दाईं ओर मुड़ जाता है और 9 किलोमीटर साइकिल चलाता है। B 2 किलोमीटर उत्तर की ओर साइकिल चलाता है, फिर पश्चिम की ओर मुड़ जाता है और 15 किलोमीटर साइकिल चलाता है, फिर अपनी बाईं ओर मुड़ जाता है और 12 किलोमीटर साइकिल चलाता है। A की स्थिति से अब B कहाँ पर है?

**Options:**

- 1) 6 km West  
6 किलोमीटर पश्चिम
- 2) 6 km East  
6 किलोमीटर पूर्व
- 3) 24 km West  
24 किलोमीटर पश्चिम
- 4) 24 km East  
24 किलोमीटर पूर्व

**Correct Answer:** 6 km West

6 किलोमीटर पश्चिम

**Candidate Answer:** 24 km West

24 किलोमीटर पश्चिम

**QID : 117** - the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

**Statement 1** : All wheat are grain.**Statement 2** : Some wheat are flour.**Conclusion I** : Some grain are flour.**Conclusion II** : Some flour are wheat.

प्रश्न में दो कथन दिये गये हैं जिसके आगे दो निष्कर्ष I और II निकाले गये हैं। आपको मानना है कि दोनों कथन सत्य है चाहे वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों। आपको निर्णय करना है की दिए गए निष्कर्षों में से कौन-सा/कौन-से निश्चित रूप से कथन द्वारा सही निकाला जा सकता है/सकते हैं, यदि कोई हो।

**कथन 1** : सारा गेहूँ अनाज है।**कथन 2** : कुछ गेहूँ आटा है।**निष्कर्ष I** : कुछ अनाज आटा है।**निष्कर्ष II** : कुछ आटा गेहूँ है।**Options:**

- 1) Only conclusion I follows  
केवल निष्कर्ष I सही है
- 2) Only conclusion II follows  
केवल निष्कर्ष II सही है
- 3) Both I and II follow  
दोनों निष्कर्ष I और II सही है
- 4) Neither I nor II follows  
ना तो निष्कर्ष I सही है ना ही निष्कर्ष II

**Correct Answer:** Both I and II follow

दोनों निष्कर्ष I और II सही है

**Candidate Answer:** Neither I nor II follows

ना तो निष्कर्ष I सही है ना ही निष्कर्ष II

**QID : 118** - In the following question, by using which mathematical operators will the expression become correct?

27 ? 9 ? 18 ? 24 ? 12

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

27 ? 9 ? 18 ? 24 ? 12

**Options:**

- 1)  $\div$ ,  $+$ ,  $=$  and  $+$   
 $\div$ ,  $+$ ,  $=$  तथा  $+$
- 2)  $\div$ ,  $\times$ ,  $<$  and  $+$   
 $\div$ ,  $\times$ ,  $<$  तथा  $+$
- 3)  $\div$ ,  $\times$ ,  $>$  and  $+$   
 $\div$ ,  $\times$ ,  $>$  तथा  $+$
- 4)  $+$ ,  $\div$ ,  $=$  and  $\div$   
 $+$ ,  $\div$ ,  $=$  तथा  $\div$

**Correct Answer:**  $\div$ ,  $\times$ ,  $>$  and  $+$  $\div$ ,  $\times$ ,  $>$  तथा  $+$ **Candidate Answer:**  $\div$ ,  $\times$ ,  $<$  and  $+$  $\div$ ,  $\times$ ,  $<$  तथा  $+$

**QID : 119** - In the following question, select the related word from the given alternatives.

**Umbrella : Rain :: Sweater : ?**

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

**छाता : वर्षा :: स्वेटर : ?**

**Options:**

1) Wool

ऊन

2) Wear

पहनना

3) Summer

ग्रीष्म

4) Cold

ठंड

**Correct Answer:** Cold

ठंड

**Candidate Answer:** Cold

ठंड

**QID : 120** - In the following question, select the odd letters from the given alternatives.

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

**Options:**

1) IMOR

2) ORIL

3) UXCF

4) ADWZ

**Correct Answer:** IMOR

**Candidate Answer:** IMOR

**QID : 121** - In the following question, select the odd number pair from the given alternatives.

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

**Options:**

1) 1444 – 37

2) 2809 – 54

3) 2209 – 46

4) 6084 – 77

**Correct Answer:** 2809 – 54

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 122** - Arrange the given words in the sequence in which they occur in the dictionary.

1. Clamp

2. Cloud

3. Cable

4. Cannal

5. Capricon

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

1. Clamp

2. Cloud

3. Cable

4. Cannal

5. Capricon

**Options:**

1) 35412

2) 34512

3) 43512

4) 45312

**Correct Answer:** 34512

**Candidate Answer:** 34512

**QID : 123** - In the following question, select the missing number from the given series.

**28, 30, 36, 48, ?, 98, 140**

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

**28, 30, 36, 48, ?, 98, 140**

**Options:**

- 1) 68
- 2) 65
- 3) 72
- 4) 67

**Correct Answer:** 68**Candidate Answer:** [ NOT ANSWERED ]**QID : 124** - If  $19 + 2 \times 2 + 3 = 369$  and  $23 + 2 \times 6 + 2 = 565$ , then

$$7 + 3 \times 11 + 3 = ?$$

यदि  $19 + 2 \times 2 + 3 = 369$  तथा  $23 + 2 \times 6 + 2 = 565$  हो, तो

$$7 + 3 \times 11 + 3 = ?$$

**Options:**

- 1) 1674
- 2) 1382
- 3) 1268
- 4) 1496

**Correct Answer:** 1674**Candidate Answer:** [ NOT ANSWERED ]**QID : 125** - In the following question, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

a \_ c a a b \_ a \_ b c a a b \_ a \_ b \_ a

निम्नलिखित प्रश्न में अक्षरों का कौन सा समूह खाली स्थानों पर क्रमवार रखने से दी गई अक्षर श्रृंखला को पूरा करेगा?

a \_ c a a b \_ a \_ b c a a b \_ a \_ b \_ a

**Options:**

- 1) cbacba
- 2) bcacac
- 3) acbaca
- 4) bbacaa

**Correct Answer:** bcacac**Candidate Answer:** bcacac**QID : 126** - For a price taking firm, average revenue is \_\_\_\_\_ market price.

कीमत-स्वीकारक फर्म की औसत संप्राप्ति बाज़ार कीमत \_\_\_\_\_ होती है।

**Options:**

- 1) half of  
से आधी
- 2) equal to  
के बराबर
- 3) double of  
से दुगना
- 4) less than  
से कम

**Correct Answer:** equal to  
के बराबर**Candidate Answer:** less than  
से कम**QID : 127** - The study of individual markets of demand and supply in which the 'players', or the decision makers, were also individuals (buyers or sellers, even companies) who were seen as trying to maximize their profits (as producers or sellers) and their personal satisfaction or welfare levels (as consumers) is called?

मांग और पूर्ति के व्यक्तिगत बाजारों का अध्ययन जिसमें 'आर्थिक भूमिका निभाने वाला' या निर्णयकर्ता भी व्यक्ति होते हैं (खरीदार या विक्रेता कंपनियां भी), जो अपने लाभों को अधिकतम करने की कोशिश करते हैं (जैसे उत्पादक या विक्रेता) और उनकी व्यक्तिगत संतुष्टि या कल्याण का स्तर (उपभोक्ताओं के रूप में) क्या कहलाता है?

**Options:**

- 1) Macroeconomics  
समष्टि अर्थशास्त्र
- 2) Econometrics  
अर्थमिति
- 3) Microeconomics  
व्यष्टि अर्थशास्त्र
- 4) Heterodox Economics  
हेटेरोडॉक्स अर्थशास्त्र

**Correct Answer:** Microeconomics  
व्यष्टि अर्थशास्त्र**Candidate Answer:** [ NOT ANSWERED ]**QID : 128** - In which year was Nationalist Congress Party (NCP) founded?

राष्ट्रवादी कांग्रेस पार्टी (एनसीपी) की स्थापना किस वर्ष में हुई?

**Options:**

1) 1949

2) 1999

3) 1972

4) 1997

**Correct Answer:** 1999**Candidate Answer:** 1997

**QID : 129** - Which Fundamental Right in the Indian Constitution states that every person has the right to practice, profess and propagate the religion of their choice.

भारतीय संविधान के किस मौलिक अधिकार में कहा गया है की प्रत्येक व्यक्ति को अपनी इच्छा का धर्म अपनाने, उसका प्रचार-प्रसार करने का अधिकार है?

**Options:**

1) Right to Equality

समानता का अधिकार

2) Right to Freedom

स्वतंत्रता का अधिकार

3) Right against Exploitation

शोषण के विरुद्ध अधिकार

4) Right to Freedom of Religion

धार्मिक स्वतंत्रता का अधिकार

**Correct Answer:** Right to Freedom of Religion

धार्मिक स्वतंत्रता का अधिकार

**Candidate Answer:** Right to Freedom

स्वतंत्रता का अधिकार

**QID : 130** - In 1917, Mahatma Gandhi organised a satyagraha to support the peasants of the Kheda district of \_\_\_\_\_.

1917 में महात्मा गांधी ने \_\_\_\_\_ के खेड़ा जिले के किसानों की मदद के लिए सत्याग्रह का आयोजन किया।

**Options:**

1) Bihar

बिहार

2) Karnataka

कर्नाटक

3) Gujarat

गुजरात

4) West Bengal

पश्चिम बंगाल

**Correct Answer:** Gujarat

गुजरात

**Candidate Answer:** Gujarat

गुजरात

**QID : 131** - Which queen of the Kakatiya dynasty ruled over Warangal, part of modern Andhra Pradesh?

आधुनिक आंध्रप्रदेश में काकतीय वंश की किस रानी ने वारंगल क्षेत्र पर शासन किया?

**Options:**

1) Rudramadevi

रूद्रममादेवी

2) Ahilyadevi

अहिल्यादेवी

3) Bhagwati

भागवती

4) Bhanumati

भानुमती

**Correct Answer:** Rudramadevi

रूद्रममादेवी

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 132** - On the basis of distribution, resources can be classified into \_\_\_\_\_?

संसाधनों के वितरण के आधार पर \_\_\_\_\_ वर्गीकृत हो सकते हैं।

**Options:**

1) Actual resources

वास्तविक संसाधन

2) Potential resources

संभाव्य संसाधन

3) Ubiquitous resources

सर्वव्यापक संसाधन

4) Abiotic resources

अजैव संसाधन

**Correct Answer:** Ubiquitous resources

सर्वव्यापक संसाधन

**Candidate Answer:** Actual resources

वास्तविक संसाधन

**QID : 133** - Uranium found in Ladakh is an example of which type of resource?

लद्दाख में पाया जाने वाला यूरेनियम किस संसाधन का एक उदाहरण है?

**Options:**

- 1) unnatural resources  
अप्राकृतिक संसाधन
- 2) Actual resources  
वास्तविक संसाधन
- 3) Potential resources  
संभाव्य संसाधन
- 4) Biotic resources  
जैव संसाधन

**Correct Answer:** Potential resources  
संभाव्य संसाधन

**Candidate Answer:** Biotic resources  
जैव संसाधन

**QID : 134** - Which is the longest bone in human body?

मनुष्य के शरीर में सबसे लम्बी हड्डी कौन सी है?

**Options:**

- 1) febula  
फेबुला
- 2) Tibia  
टिबीया
- 3) Stapes  
स्टेपिस
- 4) Femur  
फेमूर

**Correct Answer:** Femur  
फेमूर

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 135** - Opposite the micropylar end, is the \_\_\_\_\_, representing the basal part of the ovule.

बीजांडद्वारी सिरे के ठीक विपरीत \_\_\_\_\_ होता है, जो बीजांड के आधारी भाग का प्रतिनिधित्व करता है।

**Options:**

- 1) hilum  
नाभिका
- 2) funicle  
बीजांडवृंत
- 3) chalaza  
निभाग
- 4) nucellus  
बीजांडकाय

**Correct Answer:** chalaza  
निभाग

**Candidate Answer:** funicle  
बीजांडवृंत

**QID : 136** - In unicellular organisms, all functions like digestion, respiration and reproduction are performed by a how many cell(s)?

एकल कोशिकीय प्राणियों में जीवन की समस्त जैविक क्रियाएं जैसे - पाचन, श्वसन और जनन कितनी कोशिका(ओं) द्वारा किए जाते हैं?

**Options:**

- 1) 1
- 2) 2
- 3) 3
- 4) 4

**Correct Answer:** 1

**Candidate Answer:** 4

**QID : 137** - Reflection from a smooth surface like that of a mirror is called \_\_\_\_\_ reflection.

दर्पण जैसे चिकने पृष्ठ से होने वाले परावर्तन को \_\_\_\_\_ परावर्तन कहते हैं।

**Options:**

- 1) regular  
नियमित
- 2) irregular  
अनियमित
- 3) diffused  
विसरित
- 4) fused  
संगलित

**Correct Answer:** regular  
नियमित

**Candidate Answer:** [ NOT ANSWERED ]



**QID : 138** - What is the unit of resistance?

प्रतिरोध को मापने की इकाई क्या है?

**Options:**

1) ohm

ओह्म

2) farad

फैरड

3) henry

हेनरी

4) weber

वेबर

**Correct Answer:** ohm

ओह्म

**Candidate Answer:** ohm

ओह्म

**QID : 139** - Which of the following is not among the three different forms of 'if' statement?

निम्नलिखित में से कौन सा 'if' कथन के तीन अलग-अलग प्रकारों में से एक नहीं है?

**Options:**

1) if...

2) if...else

3) if...and

4) if...else if...else

**Correct Answer:** if...and

**Candidate Answer:** if...and

**QID : 140** - PET is a very familiar form of \_\_\_\_\_. It is used for making bottles.

पेट (पीईटी) एक बहुत सुपरिचित प्रकार का \_\_\_\_\_ है। इसका उपयोग बोतल बनाने के लिए किया जाता है।

**Options:**

1) Nylon

नाइलॉन

2) Acrylic

एक्रिलिक

3) Polyester

पॉलिएस्टर

4) Rayon

रेयॉन

**Correct Answer:** Polyester

पॉलिएस्टर

**Candidate Answer:** Acrylic

एक्रिलिक

**QID : 141** - Which of the following gases is heavier than oxygen?

निम्नलिखित में से कौन सी गैस ऑक्सीजन से भारी होती है?

**Options:**

1) Carbon dioxide

कार्बन डाईऑक्साइड

2) Ammonia

अमोनिया

3) Methane

मीथेन

4) Helium

हीलियम

**Correct Answer:** Carbon dioxide

कार्बन डाईऑक्साइड

**Candidate Answer:** Carbon dioxide

कार्बन डाईऑक्साइड

**QID : 142** - In India, the Air (Prevention and Control of Pollution) Act came into force in 1981, but was amended in \_\_\_\_\_ to include noise as an air pollutant.

भारत में वायु प्रदूषण निरोध एवं नियंत्रण अधिनियम 1981 में लागू हुआ, लेकिन इसमें \_\_\_\_\_ में संशोधन कर शोर को वायु प्रदूषण के रूप में सम्मिलित किया गया।

**Options:**

1) 1987

2) 1997

3) 2007

4) 2017

**Correct Answer:** 1987

**Candidate Answer:** 2007

**QID : 143** - In April 2017, Prime Minister Narendra Modi inaugurated phase-I (Link-2) pipeline canal of the ambitious Saurashtra Narmada Avtaran Irrigation (SAUNI) in which state?

अप्रैल 2017 में, प्रधान मंत्री नरेन्द्र मोदी ने किस राज्य में महत्वाकांक्षी सौराष्ट्र नर्मदा अवतारण सिंचाई (एसएयूएनआई) की पाइपलाइन नहर के प्रथम चरण (लिंक-2) का उद्घाटन किया?

**Options:**

- 1) Rajasthan  
राजस्थान
- 2) Uttar Pradesh  
उत्तर प्रदेश
- 3) Gujarat  
गुजरात
- 4) Madhya Pradesh  
मध्य प्रदेश

**Correct Answer:** Gujarat

गुजरात

**Candidate Answer:** Rajasthan

राजस्थान

**QID : 144** - Who invented the vacuum pump?

निर्वात पंप का आविष्कार किसने किया?

**Options:**

- 1) Otto von Guericke  
ऑट्टो वोन गेरिक
- 2) Cai Lun  
की लुन
- 3) Melitta Bentz  
मेलीटा बेन्ज़
- 4) William Henry Fox Talbot  
विलियम हेनरी फॉक्स टैलबोट

**Correct Answer:** Otto von Guericke

ऑट्टो वोन गेरिक

**Candidate Answer:** Melitta Bentz

मेलीटा बेन्ज़

**QID : 145** - Who was the winner of 2017 Australian Grand Prix?

2017 ऑस्ट्रेलियन ग्रांड प्रीक्स का विजेता कौन था?

**Options:**

- 1) Sebastian Vettel  
सेबेस्टियन वेटेल
- 2) Lewis Hamilton  
लुईस हैमिल्टन
- 3) Valtteri Bottas  
वाल्टेरी बोतास
- 4) Kimi Raikkonen  
किमी राइकोनेन

**Correct Answer:** Sebastian Vettel

सेबेस्टियन वेटेल

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 146** - Sanchi Stupa was built by?

सांची का स्तूप का निर्माण किसने किया था?

**Options:**

- 1) Akbar  
अकबर
- 2) Humayun  
हुमायूँ
- 3) Ashoka  
अशोक
- 4) Narasimha  
नरसिंह

**Correct Answer:** Ashoka

अशोक

**Candidate Answer:** Narasimha

नरसिंह

**QID : 147** - Who won the Best Actress in a Leading Role in 62nd Filmfare Awards 2017?

किसे मुख्य भूमिका के लिए सर्वश्रेष्ठ अभिनेत्री के लिए 62 वां फिल्मफेयर पुरस्कार 2017 मिला है?

**Options:**

- 1) Priyanka Chopra  
प्रियंका चौपड़ा
- 2) Deepika Padukone  
दीपिका पादुकोण
- 3) Alia Bhatt  
आलिया भट्ट
- 4) Katrina Kaif  
कैटरिना कैफ़

**Correct Answer:** Alia Bhatt

आलिया भट्ट

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 148** - A] The author of the novel 'The Grapes of Wrath' is Ayn Rand.  
B] The author of the novel 'The Fountainhead' is John Steinbeck.  
C] The author of the novel 'Ancillary Justice' is Ann Leckie.  
Which of the statements given above are not correct?

अ] उपन्यास "द ग्रेप्स ऑफ़ रैथ" के लेखक एयन रैण्ड हैं।  
ब] उपन्यास "द फाउंटेनहेड" के लेखक जॉन स्टेबेक हैं।  
स] उपन्यास "एंसिलरी जस्टिस" के लेखक ऐन लेकी हैं।  
उपरोक्त में से कौन से कथन सही नहीं है?

**Options:**

- 1) A and B  
अ और ब
- 2) B and C  
ब और स
- 3) A and C  
अ और स
- 4) A, B and C  
अ, ब और स

**Correct Answer:** A and B

अ और ब

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 149** - In which city was Ariana Grande performing in when her concert was hit by a terrorist attack in May 2017?

मई 2017 में एरियाना ग्रांडे का प्रदर्शन किस शहर में चल रहा था, जब उसके संगीत कार्यक्रम पर आतंकवादी हमला हुआ था?

**Options:**

- 1) Manchester  
मैनचेस्टर
- 2) Birmingham  
बर्मिंघम
- 3) Liverpool  
लिवरपूल
- 4) London  
लंडन

**Correct Answer:** Manchester

मैनचेस्टर

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 150** - The Indian State of Sikkim does not share a border with which neighbouring country?

भारतीय राज्य सिक्किम किस देशों के साथ अपनी सीमा को साझा नहीं करता?

**Options:**

- 1) Nepal  
नेपाल
- 2) Bangladesh  
बांग्लादेश
- 3) Bhutan  
भूटान
- 4) China  
चीन

**Correct Answer:** Bangladesh

बांग्लादेश

**Candidate Answer:** China

चीन

**QID : 151** - What is the remainder when 6910 is divided by 81?

जब 6910 को 81 द्वारा विभाजित किया जाता है, तब अवशिष्ट क्या होता है?

**Options:**

- 1) 25
- 2) 23
- 3) 21
- 4) 19

**Correct Answer:** 25

**Candidate Answer:** 25

**QID : 152** - A can do 75% of a job in 18 days and B can do 25% of the job in 12 days. If they work on it together, in how many days can they do 75% of the job?

A एक काम का 75%, 18 दिनों में पूरा कर सकता है और B एक काम का 25%, 12 दिनों में पूरा कर सकता है। यदि वे एक साथ मिलकर काम करते हैं तो काम का 75% करने में कितने दिन लगेंगे?

**Options:**

- 1) 16
- 2) 8
- 3) 20
- 4) 12

**Correct Answer:** 12

**Candidate Answer: 12**

**QID : 153** - Area of 4 walls of a cuboid is 57 sq m, if its length is 5.5 m and height is 3 m. What is its breadth (in m)?

एक आयतफलकी की चारों दीवारों का क्षेत्रफल 816 वर्ग मीटर है। इसकी लंबाई 18 मीटर और ऊंचाई 12 मीटर है। इसकी चौड़ाई (मीटर में) क्या है?

**Options:**

- 1) 4.5
- 2) 4
- 3) 3
- 4) 3.5

**Correct Answer: 4**

**Candidate Answer: 4**

**QID : 154** - At 30% discount the selling price of an article is Rs 1050. What is the selling price (in Rs) if the discount is 15%?

30% छूट पर एक वस्तु का बिक्री मूल्य 1050 रु है। यदि छूट 15% है तो बिक्री मूल्य (रु में) क्या है?

**Options:**

- 1) 1200
- 2) 1175
- 3) 1100
- 4) 1275

**Correct Answer: 1275**

**Candidate Answer: 1275**

**QID : 155** - What is the fourth proportional to 336, 288 and 161?

336, 288 और 161 का चतुर्थानुपातिक क्या है?

**Options:**

- 1) 184
- 2) 115
- 3) 138
- 4) 134

**Correct Answer: 138**

**Candidate Answer: 138**

**QID : 156** - What is the average of all numbers between 9 and 90 which are divisible by 8?

9 और 90 के बीच सभी संख्याओं का औसत क्या है जो 8 से भाज्य हों?

**Options:**

- 1) 53
- 2) 52
- 3) 51
- 4) 50

**Correct Answer: 52**

**Candidate Answer: 52**

**QID : 157** - A trader had 630 kgs of rice. He sold a part of it at 15% profit and the rest at 8% profit, so that he made a total profit of 12%. How much rice (in kgs) did he sell at 8% profit?

एक व्यापारी के पास 630 किलोग्राम चावल थे। उसने इसका एक हिस्सा 15% लाभ और बाकी को 8% लाभ के साथ बेच दिया, ताकि उसे कुल 12% का मुनाफा हो। उसने 8% लाभ पर कितना चावल (किलोग्राम में) बेचा?

**Options:**

- 1) 270
- 2) 300
- 3) 280
- 4) 290

**Correct Answer: 270**

**Candidate Answer: 270**

**QID : 158** - 50% of a = b, then b% of 40 is the same as \_\_\_\_\_ of a.

a का 50% = b है, तो 40 का b%, a का \_\_\_\_\_ समान होगा।

**Options:**

- 1) 0.25
- 2) 0.16
- 3) 2
- 4) 0.2

**Correct Answer: 0.2**

**Candidate Answer: 2**

**QID : 159** - Excluding stoppages, the speed of a train is 120 kmph and including stoppages, it is 50 kmph. For how many minutes does the train stop per hour?

रुकने वाले स्थानों को छोड़कर, ट्रेन की गति 120 किलोमीटर प्रति घंटा है और रुकने वाले स्थानों सहित, यह 50 किलोमीटर प्रति घंटा है। ट्रेन प्रत्येक घंटे कितने मिनट के लिए रूकती है?

**Options:**

- 1) 25
- 2) 40
- 3) 35
- 4) 20

**Correct Answer: 35**

**Candidate Answer:** 25

**QID : 160** - The simple and compound interest that can be earned in two years at the same rate is Rs 4000 and Rs 4180 respectively. What is the rate (percent per annum) of interest?

दो वर्षों में समान दर पर अर्जित हो सकने वाले साधारण और चक्रवृद्धि ब्याज क्रमशः 4000 रु और 4180 रु है। ब्याज दर (% प्रति वर्ष) कितनी है?

**Options:**

- 1) 18
- 2) 4.5
- 3) 9
- 4) 12

**Correct Answer:** 9

**Candidate Answer:** 9

**QID : 161** - If  $2x/3 - [5(4x/5 - 4/3)]/2 = 1/3$ , then what is the value of x?

यदि  $2x/3 - [5(4x/5 - 4/3)]/2 = 1/3$  है, तो x का मान क्या है?

**Options:**

- 1) 9/4
- 2) 4/9
- 3) -9/4
- 4) -4/9

**Correct Answer:** 9/4

**Candidate Answer:** -9/4

**QID : 162** - If  $a^3 + b^3 = 28$  and  $a + b = 4$ , then what is the value of ab?

यदि  $a^3 + b^3 = 28$  और  $a + b = 4$  है, तो ab का मान क्या है?

**Options:**

- 1) -3
- 2) 2
- 3) 8
- 4) 3

**Correct Answer:** 3

**Candidate Answer:** 3

**QID : 163** - 6 times a fraction is greater than 7 times its reciprocal by 11. What is the fraction?

एक भिन्न का 6 गुणा उस भिन्न के व्युत्क्रम के सात गुणा से 11 बड़ा है। वह भिन्न क्या है?

**Options:**

- 1) 5/3
- 2) 7/3
- 3) 5/4
- 4) 4/5

**Correct Answer:** 7/3

**Candidate Answer:** 7/3

**QID : 164** - What is the sum of the first 11 terms of an arithmetic progression if the first term is -31 and last term is 29?

समांतर श्रेणी के पहले 11 पदों का योग क्या है यदि पहला पद -31 है और अंतिम पद 29 है?

**Options:**

- 1) 42
- 2) -11
- 3) 28
- 4) 12

**Correct Answer:** -11

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 165** - What is the reflection of the point (-1, 5) in the line  $x = 1$ ?

रेखा  $x = 1$  में बिंदु (-1, 5) का प्रतिबिंब क्या है?

**Options:**

- 1) (3, -5)
- 2) (-3, -5)
- 3) (3, 5)
- 4) (-3, 5)

**Correct Answer:** (3, 5)

**Candidate Answer:** (3, -5)

**QID : 166** - What are the co-ordinates of the centroid of a triangle, whose vertices are A(1, -5), B(-4, 0) and C(3, -4)?

त्रिभुज के केंद्रक के निर्देशांक क्या है, जिसके कोने A(1, -5), B(-4, 0) और C(3, -4) हैं?

**Options:**

- 1) (0, 3)
- 2) (0, -3)
- 3) (0, -5)
- 4) (0, 5)

**Correct Answer:** (0, -3)

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 167** - Slope of the line AB is  $\frac{4}{3}$ . Co-ordinates of points A and B are  $(x, -5)$  and  $(2, -3)$  respectively. What is the value of  $x$ ?

रेखा AB की ढलान  $\frac{4}{3}$  है। बिंदुओं A और B के निर्देशांक क्रमशः  $(x, -5)$  और  $(2, -3)$  हैं।  $x$  का मान क्या है?

**Options:**

- 1)  $\frac{1}{2}$
- 2)  $-\frac{1}{4}$
- 3) 4
- 4) -4

**Correct Answer:**  $\frac{1}{2}$

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 168** - D and E are points on side AB and AC of  $\triangle ABC$ . DE is parallel to BC. If  $AD:DB = 1:4$  and area of  $\triangle ADE$  is 6 sq cm, what is the ratio of area of  $\triangle ADE$ : area of quadrilateral BDEC?

$\triangle ABC$  की भुजाओं AB और AC पर D और E बिंदु हैं। DE, BC के समांतर है। यदि  $AD:DB = 1:4$  और  $\triangle ADE$  का क्षेत्रफल 6 वर्ग से.मी. है, तो  $\triangle ADE$  के क्षेत्रफल: चतुर्भुज BDEC के क्षेत्रफल का अनुपात क्या है?

**Options:**

- 1) 1:12
- 2) 1:6
- 3) 1:16
- 4) 1:24

**Correct Answer:** 1:24

**Candidate Answer:** 1:6

**QID : 169** - What is the value of  $\frac{1}{\sqrt{2}} \cot 30^\circ + \frac{1}{\sqrt{3}} \operatorname{cosec} 60^\circ$ ?

$\frac{1}{\sqrt{2}} \cot 30^\circ + \frac{1}{\sqrt{3}} \operatorname{cosec} 60^\circ$  का मान क्या है?

**Options:**

- 1)  $(3\sqrt{3} + 2\sqrt{2})/3\sqrt{2}$
- 2)  $(3\sqrt{3} - 2\sqrt{2})/3\sqrt{2}$
- 3)  $(3\sqrt{3} + 2\sqrt{2})/\sqrt{2}$
- 4)  $(3\sqrt{3} - 2\sqrt{2})/\sqrt{2}$

**Correct Answer:**  $(3\sqrt{3} + 2\sqrt{2})/3\sqrt{2}$

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 170** -  $\triangle ABC$  is right angled at B. If  $m\angle A = 60^\circ$ , then what is the value of  $2 \sec C \times \frac{1}{2} \sin A$ ?

$\triangle ABC$  B पर समकोण है। यदि  $m\angle A = 60^\circ$  है, तो  $2 \sec C \times \frac{1}{2} \sin A$  का मान क्या होगा?

**Options:**

- 1)  $\frac{1}{2}$
- 2)  $\frac{1}{3}$
- 3) 1
- 4)  $\frac{1}{\sqrt{2}}$

**Correct Answer:** 1

**Candidate Answer:**  $\frac{1}{2}$

**QID : 171** - If  $\tan \theta = \frac{7}{24}$ , then what is the value of  $\operatorname{cosec} \theta$ ?

यदि  $\tan \theta = \frac{7}{24}$  है, तो  $\operatorname{cosec} \theta$  का मान क्या है?

**Options:**

- 1)  $\frac{25}{24}$
- 2)  $\frac{25}{7}$
- 3)  $\frac{24}{7}$
- 4)  $\frac{24}{25}$

**Correct Answer:**  $\frac{25}{7}$

**Candidate Answer:**  $\frac{25}{7}$

**QID : 172** - If  $27N4$  is divisible by 11, then what is the value of  $N$ ?

यदि  $27N4$ , 11 से विभाजित होता है, तो  $N$  का मान क्या है?

**Options:**

- 1) 2
- 2) 7
- 3) 9
- 4) 6

**Correct Answer:** 9

**Candidate Answer:** 9

**QID : 173** - A watch having marked price as Rs 8400 is sold for Rs 5040 after two successive discounts. If the first discount is 25% then what is the second discount percentage?

एक घड़ी जिसका अंकित मूल्य 8400 रु. है, दो क्रमिक छूट के बाद 5040 रु. में बेची जाती है। यदि पहली छूट 25 प्रतिशत की है, तो दूसरी छूट कितने प्रतिशत की है?

**Options:**

- 1) 0.15
- 2) 0.2
- 3) 0.25
- 4) 0.3

**Correct Answer:** 0.2**Candidate Answer:** 0.2**QID : 174** - If  $P : Q : R = 2 : 3 : 5$ , then what is the value of  $(P + Q) : (Q + R) : (R + P)$ ?यदि  $P : Q : R = 2 : 3 : 5$  हो, तो  $(P + Q) : (Q + R) : (R + P)$  का मान क्या है?**Options:**

- 1) 5:8:7
- 2) 2:3:5
- 3) 5:8:10
- 4) 4:9:25

**Correct Answer:** 5:8:7**Candidate Answer:** 5:8:7**QID : 175** - Average age of 20 students is 21 years. 2 students leave the group and 1 new student joins the group. The average now becomes 20 years. If age of one of the student who left the group is 26 years and the one who joined is 20 years, then what is the age (in years) of the other student who left the group?

20 छात्रों की औसत आयु 21 वर्ष है। 2 छात्र समूह छोड़कर जले जाते हैं तथा 1 नया छात्र समूह में जुड़ जाता है। औसत अब 20 वर्ष हो जाती है। यदि छोड़कर जाने वालों में से एक छात्र की आयु 26 वर्ष है तथा जो एक समूह से जुड़ा है उसकी आयु 20 वर्ष है, तो समूह छोड़ने वाले दूसरे छात्र की आयु (वर्षों में) क्या है?

**Options:**

- 1) 20
- 2) 14
- 3) 22
- 4) 16

**Correct Answer:** 14**Candidate Answer:** 20**QID : 176** - 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'.

Not too long then, the (1)/ lodge was the only (2)/ place to stay here. (3)/No Error (4)

**Options:**

- 1) 1
- 2) 2
- 3) 3
- 4) 4

**Correct Answer:** 1**Candidate Answer:** [ NOT ANSWERED ]**QID : 177** - 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'.

He was able to put (1)/ pen of paper only (2)/ much later. (3)/No Error (4)

**Options:**

- 1) 1
- 2) 2
- 3) 3
- 4) 4

**Correct Answer:** 2**Candidate Answer:** 2**QID : 178** - 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 sensed the \_\_\_\_\_ of the argument.

**Options:**

- 1) beautiful
- 2) beautifully
- 3) beauty
- 4) beautification

**Correct Answer:** beauty**Candidate Answer:** [ NOT ANSWERED ]**QID : 179** - 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.

The beans are \_\_\_\_\_ turned to avoid burning.

**Options:**

- 1) constant
- 2) constants
- 3) constantly
- 4) constantedly

**Correct Answer:** constantly**Candidate Answer:** [ NOT ANSWERED ]**QID : 180** - In the following question, out of the four alternatives, select the word similar in meaning to the word given.**Drivel**

**Options:**

- 1) Intelligent
- 2) Blather
- 3) Judicious
- 4) Sane

**Correct Answer:** Blather**Candidate Answer:** [ NOT ANSWERED ]**QID : 181** - In the following question, out of the four alternatives, select the word similar in meaning to the word given.**Perseverance****Options:**

- 1) Endurance
- 2) Cowardice
- 3) Lethargy
- 4) Indolence

**Correct Answer:** Endurance**Candidate Answer:** [ NOT ANSWERED ]**QID : 182** - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.**Hazardous****Options:**

- 1) Perilous
- 2) Precarious
- 3) Dicy
- 4) Secure

**Correct Answer:** Secure**Candidate Answer:** [ NOT ANSWERED ]**QID : 183** - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.**Advocacy****Options:**

- 1) Discouragement
- 2) Advancement
- 3) Assistance
- 4) Backing

**Correct Answer:** Discouragement**Candidate Answer:** [ NOT ANSWERED ]**QID : 184** - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.**Put one's foot down****Options:**

- 1) Give up easily without a fight
- 2) Learn to dance inspite of being clumsy
- 3) Adopt a firm policy when faced with opposition or disobedience
- 4) Take the first step of a very long difficult journey

**Correct Answer:** Adopt a firm policy when faced with opposition or disobedience**Candidate Answer:** [ NOT ANSWERED ]**QID : 185** - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.**Whistle in the dark****Options:**

- 1) Pretend to be unafraid
- 2) A ray of hope in the worst of times
- 3) See a ghost while dreaming
- 4) Be blind and fall into a trap

**Correct Answer:** Pretend to be unafraid**Candidate Answer:** [ NOT ANSWERED ]**QID : 186** - In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".I (**am always wondered**) what it would be like to be inside a chocolate factory.**Options:**

- 1) have always wonder
- 2) have always wondering
- 3) have always wondered
- 4) No improvement

**Correct Answer:** have always wondered**Candidate Answer:** [ NOT ANSWERED ]**QID : 187** - In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement".They loaded their ships with spices and silks and (**returns**) with the summer monsoon.



**Options:**

- 1) returned
- 2) return
- 3) returning
- 4) No improvement

**Correct Answer:** returned**Candidate Answer:** return**QID : 188** - In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.**Diminish in value over a period of time****Options:**

- 1) Escalate
- 2) Augment
- 3) Aggrandise
- 4) Depreciate

**Correct Answer:** Depreciate**Candidate Answer:** [ NOT ANSWERED ]**QID : 189** - In the following question, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.**Not able to produce children****Options:**

- 1) Gravid
- 2) Hebetie
- 3) Fecund
- 4) Sterile

**Correct Answer:** Sterile**Candidate Answer:** [ NOT ANSWERED ]**QID : 190** - In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.**Options:**

- 1) loopholes
- 2) lupholes
- 3) looppholes
- 4) luppholes

**Correct Answer:** loopholes**Candidate Answer:** [ NOT ANSWERED ]**QID : 191** - In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.**Options:**

- 1) wherefor
- 2) wharefore
- 3) wharefor
- 4) wherefore

**Correct Answer:** wherefore**Candidate Answer:** wherefor**QID : 192** - 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.

He does not mean

- X**-when he denies that it is causal  
**Y**-to indicate that the relation  
**Z**-is any the less uniform or dependable

**Options:**

- 1) YXZ
- 2) YZX
- 3) XZY
- 4) XYZ

**Correct Answer:** YZX**Candidate Answer:** [ NOT ANSWERED ]**QID : 193** - 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.

Not only people have buying

- X**-environment and health  
**Y**-capacity in the city, people here are  
**Z**-also quite concerned about

**Options:**

- 1) YXZ
- 2) YZX
- 3) XZY
- 4) XYZ

**Correct Answer:** YZX**Candidate Answer:** [ NOT ANSWERED ]

**QID : 194** - In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.

**The director will give you instructions.**

**Options:**

- 1) Instructions shall be given to you by the director.
- 2) You will get instructions from the director.
- 3) You shall get instructions from the director.
- 4) Instructions will be given to you by the director.

**Correct Answer:** Instructions will be given to you by the director.

**Candidate Answer:** Instructions will be given to you by the director.

**QID : 195** - 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.

**"What makes you so sad?" she asked Manoj.**

**Options:**

- 1) She asked Manoj what makes him so sad.
- 2) She asks Manoj what made him so sad.
- 3) She asked Manoj what made him so sad.
- 4) She asks Manoj what makes him so sad.

**Correct Answer:** She asked Manoj what made him so sad.

**Candidate Answer:** She asked Manoj what makes him so sad.

**QID : 196** - 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.

The quest to find life outside the solar system got a big boost with the discovery of seven Earth-size extra-solar planets, or exoplanets, orbiting a dwarf star about 40 light years away. Unlike earlier discoveries of exoplanets, all seven planets could possibly have liquid water — a key to life as we know it on Earth — with three planets having the greatest chance. This is by far the largest collection of Earth-like planets in the habitable 'Goldilocks' zone of a star — neither too close nor too far from a star, which raises the possibility of liquid water being present on the surface. Only Earth has liquid water in the solar system. Since the dwarf star is much cooler than the Sun, the dimming of light each time a planet passes or transits before the star could be easily recorded from Earth unlike in cases when planets transit a Sun-like bright star. Since the initial discovery of three planets was made using the Chile-based Transiting Planets and Planetesimals Small Telescope, the exoplanet system is called TRAPPIST-1.

The telescope TRAPPIST is in which country?

**Options:**

- 1) Venezuela
- 2) Argentina
- 3) Chile
- 4) Mexico

**Correct Answer:** Chile

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 197** - 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.

The quest to find life outside the solar system got a big boost with the discovery of seven Earth-size extra-solar planets, or exoplanets, orbiting a dwarf star about 40 light years away. Unlike earlier discoveries of exoplanets, all seven planets could possibly have liquid water — a key to life as we know it on Earth — with three planets having the greatest chance. This is by far the largest collection of Earth-like planets in the habitable 'Goldilocks' zone of a star — neither too close nor too far from a star, which raises the possibility of liquid water being present on the surface. Only Earth has liquid water in the solar system. Since the dwarf star is much cooler than the Sun, the dimming of light each time a planet passes or transits before the star could be easily recorded from Earth unlike in cases when planets transit a Sun-like bright star. Since the initial discovery of three planets was made using the Chile-based Transiting Planets and Planetesimals Small Telescope, the exoplanet system is called TRAPPIST-1.

What is essential to have the possibility of life on a planet?

**Options:**

- 1) Presence of atmosphere
- 2) Presence of gravity
- 3) Presence of sunlight
- 4) Presence of liquid water

**Correct Answer:** Presence of liquid water

**Candidate Answer:** Presence of liquid water

**QID : 198** - 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.

The quest to find life outside the solar system got a big boost with the discovery of seven Earth-size extra-solar planets, or exoplanets, orbiting a dwarf star about 40 light years away. Unlike earlier discoveries of exoplanets, all seven planets could possibly have liquid water — a key to life as we know it on Earth — with three planets having the greatest chance. This is by far the largest collection of Earth-like planets in the habitable 'Goldilocks' zone of a star — neither too close nor too far from a star, which raises the possibility of liquid water being present on the surface. Only Earth has liquid water in the solar system. Since the dwarf star is much cooler than the Sun, the dimming of light each time a planet passes or transits before the star could be easily recorded from Earth unlike in cases when planets transit a Sun-like bright star. Since the initial discovery of three planets was made using the Chile-based Transiting Planets and Planetesimals Small Telescope, the exoplanet system is called TRAPPIST-1.

What is the 'Goldilocks' zone?

**Options:**

- 1) It is a mythological place about stars and planets
- 2) That place on a planet which has lowest possibility of liquid water.
- 3) The correct distance of a planet from its star to have possibility of having liquid water
- 4) That place on a planet which has the right amount of sunlight

**Correct Answer:** The correct distance of a planet from its star to have possibility of having liquid water

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 199** - 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.

The quest to find life outside the solar system got a big boost with the discovery of seven Earth-size extra-solar planets, or exoplanets, orbiting a dwarf star about 40 light years away. Unlike earlier discoveries of exoplanets, all seven planets could possibly have liquid water — a key to life as we know it on Earth — with three planets having the greatest chance. This is by far the largest collection of Earth-like planets in the habitable 'Goldilocks' zone of a star — neither too close nor too far from a star, which raises the possibility of liquid water being present on the surface. Only Earth has liquid water in the solar system. Since the dwarf star is much cooler than the Sun, the dimming of light each time a planet passes or transits before the star could be easily recorded from Earth unlike in cases when planets transit a Sun-like bright star. Since the initial discovery of three planets was made using the Chile-based Transiting Planets and Planetesimals Small Telescope, the exoplanet system is called TRAPPIST-1.

What made it easier to record the passage of the planet in front of the star?

**Options:**

- 1) The fact that the star is much smaller and cooler than our Sun
- 2) The fact that the star is much bigger and cooler than our Sun
- 3) The fact that the star is much smaller and hotter than our Sun
- 4) The fact that the star is much bigger and hotter than our Sun

**Correct Answer:** The fact that the star is much smaller and cooler than our Sun

**Candidate Answer:** [ NOT ANSWERED ]

**QID : 200** - 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.

The quest to find life outside the solar system got a big boost with the discovery of seven Earth-size extra-solar planets, or exoplanets, orbiting a dwarf star about 40 light years away. Unlike earlier discoveries of exoplanets, all seven planets could possibly have liquid water — a key to life as we know it on Earth — with three planets having the greatest chance. This is by far the largest collection of Earth-like planets in the habitable 'Goldilocks' zone of a star — neither too close nor too far from a star, which raises the possibility of liquid water being present on the surface. Only Earth has liquid water in the solar system. Since the dwarf star is much cooler than the Sun, the dimming of light each time a planet passes or transits before the star could be easily recorded from Earth unlike in cases when planets transit a Sun-like bright star. Since the initial discovery of three planets was made using the Chile-based Transiting Planets and Planetesimals Small Telescope, the exoplanet system is called TRAPPIST-1.

How many planets in our solar system have liquid water?

**Options:**

- 1) Two
- 2) Three
- 3) One
- 4) Four

**Correct Answer:** One

**Candidate Answer:** One