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# Staff Selection Commission
## (Government Of India)

| | |
|---|---|
| **REGISTRATION NUMBER :** EXAM | **CANDIDATE NAME :** qmaths.in |
| **DATE :** 31-August-2016 EXAM | **EXAM START TIME :** 16:15:00 |
| **NAME :** SSC Examination 2016 TOTAL | **EXAM DURATION :** 01:15 Hrs |
| **MARKS :** 200 | **TOTAL NO OF QUESTIONS :** 100 |

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

दिये गये विकल्पों में से संबन्धित शब्द/अक्षरों/संख्या को चुनिए।

Coins : Mint :: Bricks : ?

मुद्रा : टकसाल :: ईंट : ?

**Options:**
**1**) Kiln
भट्टी
**2**) Foundry
ढलाई घर
**3**) Cementary
सिमेंट्री
**4**) Finance
पूँजी
**Correct Answer:** Kiln
भट्टी
**Candidate Answer:** Kiln
भट्टी

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

दिये गये विकल्पों में से संबन्धित शब्द/अक्षरों/संख्या को चुनिए।

MOLTU : ? :: HOPE : IPQF
**Options:**
**1**) MPNUV

**2**) NPMUV

**3**) NPMVU

**4**) MPNVU
**Correct Answer:** NPMUV
**Candidate Answer:** NPMUV

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

दिये गये विकल्पों में से संबन्धित शब्द/अक्षरों/संख्या को चुनिए।

456 : 15 :: 789 : ?
**Options:**
**1**) 22

**2**) 24

**3**) 26

**4**) 28
**Correct Answer:** 24
**Candidate Answer:** 24

Question 4.

For the following questions

for the following questions

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

दिए गए विकल्पों में से विषम शब्द/ संख्या/अक्षर/युग्म चुनिए।
**Options:**
**1**) TOP

**2**) COP

**3**) MOP

**4**) JOP
**Correct Answer:** JOP
**Candidate Answer:** MOP

Question 5.

**For the following questions**

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

दिए गए विकल्पों में से विषम शब्द/ संख्या/अक्षर/युग्म चुनिए।
**Options:**
**1**) BDF

**2**) NQS

**3**) TVX

**4**) HJL
**Correct Answer:** NQS
**Candidate Answer:** NQS

Question 6.

**For the following questions**

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

दिए गए विकल्पों में से विषम शब्द/ संख्या/अक्षर/युग्म चुनिए।
**Options:**
**1**) (3 , 12)

**2**) (2 , 6)

**3**) (6 , 42)

**4**) (5 , 35)
**Correct Answer:** (5 , 35)
**Candidate Answer:** (5 , 35)

Question 7.Arrange the following words as per order in the dictionary

निम्नलिखित शब्दों को शब्दकोश में दिए गए क्रम के अनुसार लिखिए।
1. Assassination 2. Association 3. Assimilate 4. Assimuthual
**Options:**
**1**) 1,2,3,4

**2**) 1,3,2,4

**3**) 1,3,4,2

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

Question 8.Choose the correct alternative from the given ones that will complete the below series

दिए गए विकल्पों में से सही विकल्प चुनिए जो अनुक्रम में पूरा करें।

$\frac{W}{S}, \frac{U}{O}, \frac{S}{K}, \frac{Q}{G}$

**Options:**
**1**) P/R

**2**) C/O

**3**) R/J

**4**) O/C
**Correct Answer:** O/C
**Candidate Answer:** O/C

Question 9.Find the wrong number in the series.

दी गई श्रृंखला में से गलत संख्या ज्ञात कीजिये।
225, 206, 188, 176, 165, 158, 153
**Options:**
**1**) 225

**2**) 188

**3**) 176

**4**) 153
**Correct Answer:** 188
**Candidate Answer:** 188

Question 10.The sum of the ages of father and a son presently is 70 years. After 10 years, the son's age is exactly half that of the father. What are their ages now?

एक पिता और उसके पुत्र की आयु का योग 70 साल है। 10 साल बाद पुत्र की उम्र पिता की उम्र से आधी होगी। अब उनकी उम्र कितनी हैं ?
**Options:**
**1**) 45 years, 25 years
45 वर्ष, 25 वर्ष
**2**) 50 years, 20 years
50 वर्ष, 20 वर्ष
**3**) 47 years, 23 years
47 वर्ष, 23 वर्ष
**4**) 50 years, 25 years
50 वर्ष, 25 वर्ष
**Correct Answer:** 50 years, 20 years
50 वर्ष, 20 वर्ष
**Candidate Answer:** 50 years, 20 years
50 वर्ष, 20 वर्ष

Question 11.If the third day of a month is Tuesday, which of the following would be the 25th day of that month?

यदि किसी महीने का तीसरा दिन मंगलवार हो तो उस महीने का 25वाँ दिन कौन-सा होगा ?
**Options:**
**1**) Tuesday
मंगलवार
**2**) Monday
सोमवार
**3**) Wednesday
बुधवार
**4**) Sunday
रविवार
**Correct Answer:** Monday
सोमवार
**Candidate Answer:** Wednesday
बुधवार

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

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

**Options:**
**1**) DISTANCE

**2**) STANCE

**3**) MUSIC

**4**) CIRCUS
**Correct Answer:** DISTANCE
**Candidate Answer:** DISTANCE

Question 13.If BUDDHISM is coded as DWFFJKUO then CHRISTIAN will be coded as _____ .

यदि एक कोड में 'BUDDHISM' को 'DWFFJKUO' लिखा जाता है, तो उस कोड में 'CHRISTIAN' को क्या लिखा जायेगा ?
**Options:**
**1**) EITJUVKBP

**2**) EJTKUVJCO

**3**) EJTKVUJCP

**4**) EJTKUVKCP
**Correct Answer:** EJTKUVKCP
**Candidate Answer:** EJTKUVKCP

Question 14.Some equations are solved on the basis of certain system. Find out the correct answer for unsolved equation on that basis:

कुछ समीकरणों को एक निश्चित प्रणाली के आधार पर हल किया जाता है। उसी अधार पर इस समीकरण का सही उत्तर बताइए।
4 x 5 x 8 = 584, 7 x 3 x 9 = 397, 9 x 7 x 3 = ?
**Options:**
**1**) 397

**2**) 793

**3**) 973

**4**) 739
**Correct Answer:** 739
**Candidate Answer:** 739

Question 15.If - means ÷ , + means x , ÷ means - , x means +, then which of the following equations is correct?

यदि - का मतलब है ÷ , + का मतलब है x , ÷ का मतलब है - , x का मतलब है +, तो निम्नलिखित में से कौन-सा समीकरण सही है ?
**Options:**
**1**) 43 x 7 ÷ 5 + 4 - 8 = 25

**2**) 48 ÷ 5 + 8 x 10 - 2 = 03

**3**) 36 x 4 - 12 + 5 ÷ 3 = 420

**4**) 42 + 5 ÷ 6 x 8 - 3 = 28

**Correct Answer:** 48 ÷ 5 + 8 x 10 - 2 = 03
**Candidate Answer:** 48 ÷ 5 + 8 x 10 - 2 = 03

Question 16.Find the missing number from the given response.

दिए गए विकल्पों में से लुप्त संख्या ज्ञात कीजिए ?

| 7 | 3 | 2 |
|---|---|---|
| 4 | 9 | 6 |
| 2 | 1 | 5 |
| 69 | 91 | ? |

**Options:**
**1**) 58

**2**) 65

**3**) 64

**4**) 51
**Correct Answer:** 65
**Candidate Answer:** 65

Question 17.Facing the East, Rahul turned left and walked 10m, then he turned on his left again and walked 10m. He then turned towards his right and went straight to cover 25m. In which direction is he from his starting point?

पूर्व की ओर देखते हुए राहुल बायीं ओर मुड़ा और 10 मी. चला, फिर वह बायीं ओर मुड़ा और 10 मी. चला। फिर वह अपने दायीं ओर मुड़ा और सीधे 25 मी. चला। अब वह प्रारम्भिक बिन्दु से किस दिशा में है ?

**Options:**
**1**) North-West
उत्तर- पश्चिम
**2**) North-East
उत्तर- पूर्व
**3**) South-West
दक्षिण- पश्चिम
**4**) South-East
दक्षिण- पूर्व

**Correct Answer:** North-West
उत्तर- पश्चिम

**Candidate Answer:** North-East
उत्तर- पूर्व

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.
Statement: Laugh and the world will laugh with you.
Assumptions:
I. People generally laugh.
II. Laughter symbolises happiness.

निम्नलिखित प्रश्न में एक या दो वक्तव्य दिये गये है, जिसके आगे दो निष्कर्ष/मान्यताएं, I और II निकाले गये हैं। आपको विचार करना है कि वक्तव्य सत्य है चाहे वह सामान्यतः शर्त तथ्यों से भिन्न प्रतीत होता हो। आपको निर्णय करना है कि दिए गए वक्तव्य में से कोन-सा निश्चित रूप से सही निष्कर्ष/मान्यता निकाला जा सकता है ?
वक्तव्य : हंसो और दुनिया तुम्हारे साथ हँसेगी।
मान्यता 1. लोग आम तौर पर हँसते हैं।
मान्यता 2. हँसी खुशी का प्रतीक है।

**Options:**
**1**) Only I is an assumption
केवल निष्कर्ष I सही है।
**2**) Only II is an assumption
केवल निष्कर्ष II सही है।
**3**) Both I and II are assumptions
दोनों निष्कर्ष I और II सही है।
**4**) Neither I nor II is an assumption
ना तो निष्कर्ष I और ना ही निष्कर्ष II सही है।

**Correct Answer:** Neither I nor II is an assumption
ना तो निष्कर्ष I और ना ही निष्कर्ष II सही है।

**Candidate Answer:** Only II is an assumption
केवल निष्कर्ष II सही है।

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

दी गई आकृति में कितने त्रिकोण हैं ?



**Options:**
**1**) 24

**2**) 28

**3**) 36

**4**) 32

**Correct Answer:** 36

**Candidate Answer:** 36

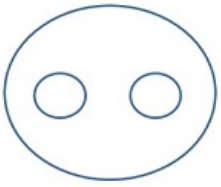Question 20.Identify the diagram that best represents the relationship among classes given below:
ELEPHANTS, WOLVES, ANIMALS

वह आरेख चुनिए जो नीचे दिए गए वर्गों के बीच सम्बंध का सही निरूपण करता है।
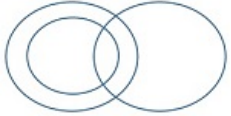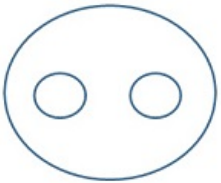हाथी, भेड़िये, जानवर
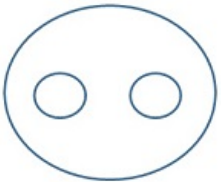**Options:**
**1**)

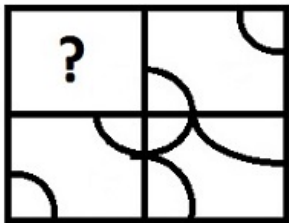**2)**

**3)**

**4)**

**Correct Answer:**

**Candidate Answer:**

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

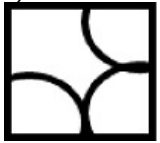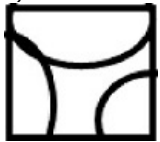कौन-सी उत्तर आकृति प्रश्न आकृति के प्रतिरूप को पूरा करेगी ?

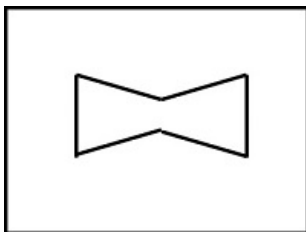**Options:**
**1)**

**2)**

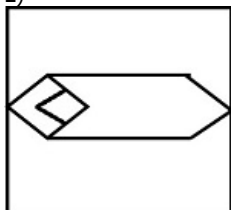3)



4)



**Correct Answer:**



**Candidate Answer:**



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

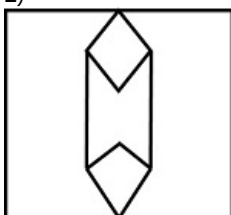दी गई उत्तर आकृतियों में से उस आकृति को चुनिए जिसमे प्रश्न आकृति निहित है।



**Options:**

1)



2)



3)

**4**)
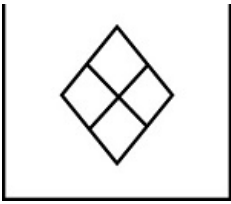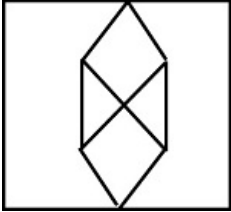
**Correct Answer:**
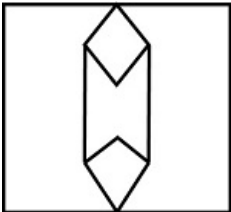
**Candidate Answer:**
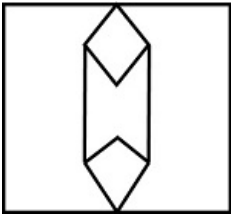
Question 23.A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

निम्नलिखित उत्तर आकृतियों मे से यह ज्ञात कीजिए कि नीचे दिखाए अनुसार कागज को मोड़ने, काटने तथा खोलने के बाद वह किस आकृति जैसे दिखाई देगा ?
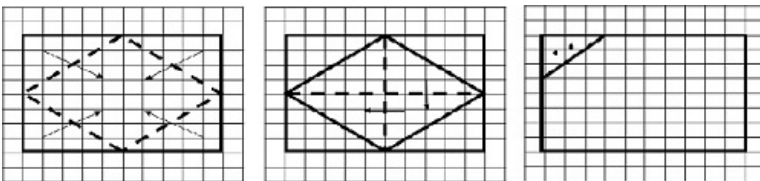
**Options:**
**1**)
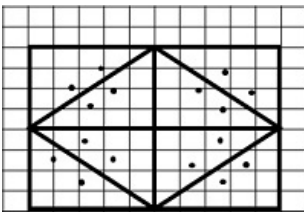
**2)**
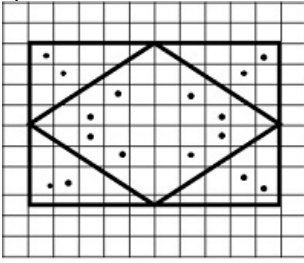


**3)**
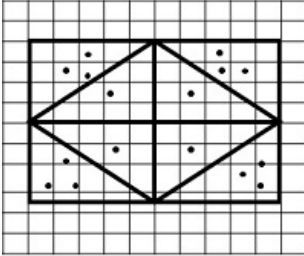


**4)**
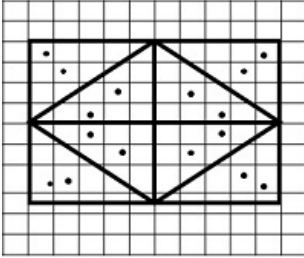


**Correct Answer:**
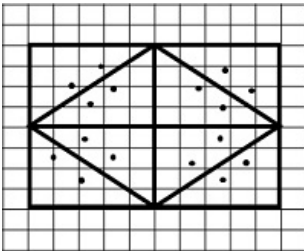
**Candidate Answer:** [ NOT ANSWERED ]

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 दर्पण को MN रेखा पर रखा जाए तो दी गई उत्तर आकृतियों में से कौन-सी आकृती प्रश्न आकृति का सही प्रतिबिम्ब होगी ?
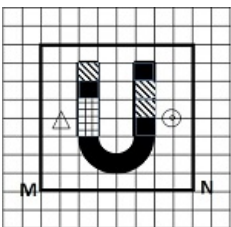


**Options:**
**1)**

**2)**



**3)**



**4)**
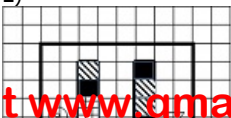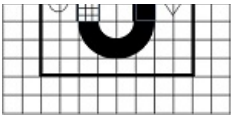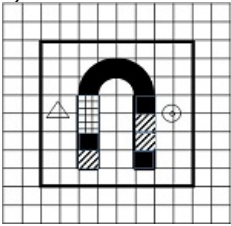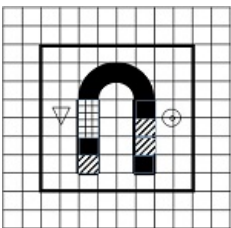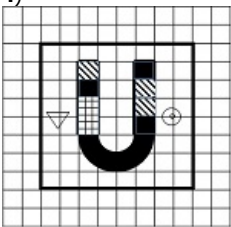


**Correct Answer:**
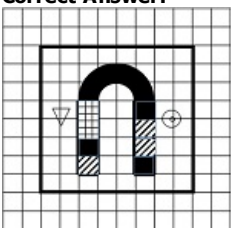


**Candidate Answer:**



Question 25.In this question, 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., 'D' can be represented by 01, 13, etc., and 'N' can be represented by 59, 66, etc.

You have to identify the set for the word 'HEEL'

एक शब्द केवल एक संख्या-समूह द्वारा दर्शाया गया है, जैसा कि विकल्पों में से किसी एक में दिया गया है। विकल्पों में दिए गए संख्या समूह अक्षरों के दो वर्गों द्वारा दर्शाए गए हैं, जैसे कि नीचे दिए गए दो आव्यूहों में हैं। आव्यूह I के स्तंभ और पंक्ती की संख्या 0 से 4 और आव्यूह II की 5 से 9 दी गई है। इन आव्यूहों से एक अक्षर को पहले उसकी पंक्ती और बाद में स्तम्भ संख्या द्वारा दर्शाया जा सकता है। उदाहरण के लिए 'D' को 01, 13 आदि द्वारा दर्शाया जा सकता है तथा 'N ' को 59, 66 आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको दिए हुए शब्द 'HEEL' के लिए समूह को पहचानना है।

| MATRIX I | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| 0 | C | D | E | F | G |
| 1 | F | G | C | D | E |
| 2 | D | E | F | G | C |
| 3 | E | F | G | C | D |
| 4 | G | C | D | E | F |

| MATRIX II | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|
| 5 | H | K | L | I | N |
| 6 | I | N | H | K | L |
| 7 | K | L | I | N | H |
| 8 | L | I | N | H | K |
| 9 | N | H | K | L | I |

**Options:**

**1**) 67, 21, 14, 98

**2**) 75, 88, 65, 01

**3**) 68, 65, 60, 10

**4**) 68, 65, 50, 01

**Correct Answer:** 67, 21, 14, 98

**Candidate Answer:** 67, 21, 14, 98

Question 26.The term 'Macro Economics' was used by _____ .

" वृहत अर्थशास्त्र " (Macro Economics) शब्द का प्रयोग किसने किया था ?

**Options:**
**1**) J.M. Keynes
जे.एम. केन्स
**2**) Ragner Frisch
रागनेर फ्रिस्क
**3**) Ragner Nurkse
रागनेर न्युक्स
**4**) Prof. Knight
प्रो. नाईट

**Correct Answer:** Ragner Frisch
रागनेर फ्रिस्क

**Candidate Answer:** J.M. Keynes
जे.एम. केन्स

Question 27.Who was the first Chancellor of Jamia Millia Islamia University at Aligarh?

अलीगढ़ में स्थित जामिया मिलिया इस्लामिया विश्वविद्यालय के प्रथम कुलपति कौन थे ?

**Options:**
**1**) Abdul Ghaffar Khan
अब्दुल गफ्फार खान
**2**) Rajkumari Amrit Kaur
राजकुमारी अमृत कौर
**3**) Hakim Ajmal Khan
हाकिम अजमल खान
**4**) Sir Sayyad Ahmad Khan
सर सैयद अहमद खान

**Correct Answer:** Hakim Ajmal Khan
हाकिम अजमल खान

**Candidate Answer:** Abdul Ghaffar Khan
अब्दुल गफ्फार खान

Question 28.Who were the patrons of Sangama Literature?

संगम साहित्य के संरक्षक कौन थे ?

**Options:**
**1**) Nayakas
नायक
**2**) Chandellas
चंदेल
**3**) Pandyas
पांड्य
**4**) Solankis
सोलंकी

**Correct Answer:** Pandyas
पांड्य

**Candidate Answer:** Chandellas
चंदेल

Question 29.Where in India was the first French factory established?

भारत में पहली फ्रेंच फैक्टरी कहाँ स्थापित की गई थी ?

**Options:**
**1**) Surat
सूरत
**2**) Pondicherry
पांडीचेरी
**3**) Chandannagore
चंदन नागोर
**4**) Masulipatnam
मछलीपटनम

**Correct Answer:** Surat
सूरत

**Candidate Answer:** Masulipatnam
मछलीपटनम

Question 30.Which algorithm is used to decide the path to transfer the packets from source to destination?

स्रोत स्थल से गंतव्य तक पैकेटों को स्थानांत्रित करने के मार्ग का निर्णय करने के लिए किस कलनविधि का प्रयोग किया जाता है ?

**Options:**
**1**) Routing
मार्ग निर्देश
**2**) Pathing
पथ निर्धारण
**3**) Selecting
चयन
**4**) Directing
निर्देशन

**Correct Answer:** Routing

मार्ग निर्देश

**Candidate Answer:** [ NOT ANSWERED ]

Question 31.Which one of the following is an ohmic conductor?

निम्नलिखित में से ओम-चालक कौन-सा है ?

**Options:**
**1**) Germanium
जर्मेनियम
**2**) Silicon
सिलिकॉन
**3**) Carbon
कार्बन
**4**) Silver
सिल्वर

**Correct Answer:** Silver
सिल्वर

**Candidate Answer:** Silver
सिल्वर

Question 32.Which mechanism is used by the computer virus 'worm' to duplicate itself?

कंप्युटर वायरस 'worm' द्वारा स्वयं की पुनरावृत्ति के लिए किस युक्ति का प्रयोग किया जाता है ?

**Options:**
**1**) Swap
स्वैप
**2**) Increment
इन्क्रीमेंट
**3**) Spawn
स्पॉन
**4**) Swarm
स्वॉर्म

**Correct Answer:** Spawn
स्पॉन

**Candidate Answer:** Increment
इन्क्रीमेंट

Question 33.The first Commonwealth Games in 1930 was held in which country?

1930 में पहला राष्ट्रमंडल खेलों का आयोजन किस देश में किया गया था ?

**Options:**
**1**) Australia
ऑस्ट्रेलिया
**2**) England
इंग्लैंड
**3**) New Zealand
न्यूजीलैंड
**4**) Canada
कनाडा
**Correct Answer:** Canada
कनाडा
**Candidate Answer:** Canada

कनाडा

Question 34.The gentle 'seaward sloping' surface from the coasts is called _____.

तटों से, हल्की "समुद्र अभिमुखी ढलान" को क्या कहते हैं ?

**Options:**
**1**) Continental shelf
महाद्वीपीय कगार
**2**) Continental rise
महाद्वीपीय पहाड़ी
**3**) Abyssal plains
पितलीय मैदान
**4**) Submarine ridges
अंतःसमुद्री पर्वत श्रेणी
**Correct Answer:** Continental shelf
महाद्वीपीय कगार
**Candidate Answer:** [ NOT ANSWERED ]

Question 35.The aim of Differentiated Interest Scheme was to provide concessional loans to _____ .

भिन्नात्मक ब्याज प्रणाली का उद्देश्य, निम्न में से किन्हें रियाअती कर्ज प्रदान करना है?

**Options:**
**1**) weaker section of the society
समाज के कमजोर वर्ग को
**2**) Public Sector Industries
सार्वजनिक क्षेत्र के उद्योगों को
**3**) Public Limited Companies
पब्लिक लिमिटेड कंपनियों को
**4**) big exports
बड़े निर्यात
**Correct Answer:** weaker section of the society
समाज के कमजोर वर्ग को
**Candidate Answer:** [ NOT ANSWERED ]

Question 36.Anemometer is an instrument meant for measuring _____ .

एनिमोमीटर से, दिए गए विकल्पों में से, क्या मापा जाता है ?

**Options:**
**1**) velocity
वेग
**2**) air masses
हवा का द्रव्यमान
**3**) wind speed
हवा की गति
**4**) temperature
तापमान
**Correct Answer:** wind speed
हवा की गति
**Candidate Answer:** wind speed
हवा की गति

Question 37.Tax on inheritance is called _____ .

पैतृक सम्पत्ति पर जो कर लगता है उसे क्या कहते है ?

**Options:**
**1**) Excise duty
उत्पाद कर
**2**) Estate duty
जायदाद कर
**3**) Gift tax
उपहार कर
**4**) Sales tax

बिक्री कर

**Correct Answer:** Estate duty
जायदाद कर

**Candidate Answer:** Estate duty
जायदाद कर

Question 38.The silver coin 'tanka' was introduced by _____ .

चांदी का सिक्का 'टंका' किसने चलाया था ?

**Options:**
**1**) Qutubuddin Aibak
कुतुबुद्दीन ऐबक
**2**) Iltutmish
इल्तुतमिश
**3**) Balban
बलबन
**4**) Bahram Khan
बहराम खान

**Correct Answer:** Iltutmish
इल्तुतमिश

**Candidate Answer:** Iltutmish
इल्तुतमिश

Question 39.Which of the following international prizes/awards is given for outstanding contribution in the field of Journalism?

निम्नलिखित में से कौन सा अंतर्राष्ट्रीय पुरस्कार पत्रकारिता के क्षेत्र में सर्वोत्तम योगदान के लिए दिया जाता है ?

**Options:**
**1**) Oscar Award
ऑस्कर पुरस्कार
**2**) Booker Prize
बुकर पुरस्कार
**3**) Pulitzer Prize
पुलित्जर पुरस्कार
**4**) Sullivan Award
सुल्लिवन पुरस्कार

**Correct Answer:** Pulitzer Prize
पुलित्जर पुरस्कार

**Candidate Answer:** Pulitzer Prize
पुलित्जर पुरस्कार

Question 40.The country which tops in the production of cocoa is _____ .

कोकोआ के उत्पादन में कौन-सा देश सबसे आगे है?

**Options:**
**1**) Ghana
घाना
**2**) Brazil
ब्राज़ील
**3**) Ivory Coast
आइवरी कोस्ट
**4**) Nigeria
नाइजीरिया

**Correct Answer:** Ghana
घाना

**Candidate Answer:** Brazil
ब्राज़ील

Question 41.Increased RBC's in the blood leads to a condition called _____ .

रक्त में RBC के बढ़ने से कौन-सी स्थिति बन जाती है ?

**Options:**
**1**) Anemia
एनीमिया
**2**) Haemophilia
हेमोफीलिया
**3**) Polycythemia
पॉलीसाइथेमिया
**4**) Leukaemia
ल्यूकेमिया

**Correct Answer:** Polycythemia
पॉलीसाइथेमिया

**Candidate Answer:** Polycythemia
पॉलीसाइथेमिया

Question 42.The spring balance works on the principle of _____ .

कमानी तुला किस सिद्धांत पर काम करती है ?

**Options:**
**1**) Boyle's Law
बॉयल नियम
**2**) Hooke's Law
हुक नियम
**3**) Bernoulli's principle
बर्नोली सिद्धांत
**4**) Pascal's Law
पास्कल नियम

**Correct Answer:** Hooke's Law
हुक नियम

**Candidate Answer:** Pascal's Law
पास्कल नियम

Question 43.If there were no gravity, which of the following will not be there for a fluid?

अगर आकर्षण शक्ति ना हो, तो निम्नलिखित में से कौन-सा तरल पदार्थ के लिए लागू नहीं होगा ?

**Options:**
**1**) Viscosity

चिपचिपापन
**2**) Surface Tension
पृष्ठ तनाव
**3**) Pressure
दबाव
**4**) Upward Thrust
ऊपरी दबाव

**Correct Answer:** Upward Thrust
ऊपरी दबाव

**Candidate Answer:** Pressure
दबाव

Question 44.Calcium salts used as fertilizer is:

उर्वरकों के रूप में कौन से कैलशियम लवण प्रयुक्त होते हैं ?

**Options:**
**1**) Calcium Carbide
कैल्शियम कार्बाइड
**2**) Calcium Carbonate
कैल्शियम कार्बोनेट
**3**) Calcium Cyanide
कैल्शियम साइनाइड
**4**) Calcium Sulphate
कैल्शियम सल्फेट

**Correct Answer:** Calcium Sulphate
कैल्शियम सल्फेट

**Candidate Answer:** Calcium Carbide
कैल्शियम कार्बाइड

Question 45.The Jawaharlal Nehru Award is given for _____ .

जवहरलाल नेहरु पुरस्कार किसलिए दिया जाता है ?

**Options:**
**1**) Government service
सरकारी सेवा
**2**) Literary work
साहित्यिक सेवा
**3**) International understanding
अन्तर्राष्ट्रीय समझदारी
**4**) Social work
सामाजिक कार्य

**Correct Answer:** International understanding
अन्तर्राष्ट्रीय समझदारी

**Candidate Answer:** International understanding
अन्तर्राष्ट्रीय समझदारी

Question 46.Which of the following is called 'Queen of the Adriatic'?

निम्नलिखित में से 'एड्रिएटिक की रानी' किसे कहते हैं ?

**Options:**

**1**) Venice
वेनिस
**2**) Rome
रोम
**3**) Flanders
फ्लैंडर्स
**4**) Lisbon
लिस्बन

**Correct Answer:** Venice
वेनिस

**Candidate Answer:** [ NOT ANSWERED ]

Question 47.The liberation of oxygen during photosynthesis is due to _____ .

प्रकाश संश्लेषण के दौरान ऑक्सीजन किस कारण विमोचित होती है ?

**Options:**
**1**) hydrolysis of carbohydrates
कार्बोहाइड्रेट का जल अपघटन
**2**) photolysis of water
जल का प्रकाश अपघटन
**3**) reduction of $CO_2$
$CO_2$ की कमी
**4**) breakdown of chlorophyll
क्लोरोफिल का टूट जाना

**Correct Answer:** photolysis of water
जल का प्रकाश अपघटन

**Candidate Answer:** photolysis of water
जल का प्रकाश अपघटन

Question 48.Formic acid is produced by _____ .

फॉर्मिक एसिड किसके द्वारा उत्पन होता है ?

**Options:**
**1**) White ants
दीमक
**2**) Cockroaches
कॉकरोच (तिलचट्टा)
**3**) Red ants
लाल चींटी
**4**) Mosquitoes
मच्छर

**Correct Answer:** Red ants
लाल चींटी

**Candidate Answer:** Red ants
लाल चींटी

Question 49.Which one of the following forms of phosphorus is most reactive?

निम्नलिखित में से फॉस्फोरस का कौन-सा रूप सबसे ज्यादा प्रतिक्रियाशील हैं ?

**Options:**
**1**) Black phosphorus
काला फॉस्फोरस
**2**) White phosphorus
श्वेत फॉस्फोरस
**3**) Violet phosphorus

बैंगनी फॉस्फोरस
**4**) Red phosphorus
लाल फॉस्फोरस

**Correct Answer:** White phosphorus
श्वेत फॉस्फोरस

**Candidate Answer:** White phosphorus
श्वेत फॉस्फोरस

Question 50.Zubin Mehta is associated with _____ .

जुबीन मेहता किस क्षेत्र से सम्बन्धित है ?

**Options:**
**1**) Literature
साहित्य
**2**) Painting
चित्रकारी
**3**) Music
संगीत

**4**) Journalism
पत्रकारी

**Correct Answer:** Music
संगीत

**Candidate Answer:** Painting
चित्रकारी

Question 51.If $3^{10}$ x $27^2$ = $9^2$ x $3^n$ then the value of n is

यदि $3^{10}$ x $27^2$ = $9^2$ x $3^n$ हो,तो n का मान बताइए ?

**Options:**
**1**) 10

**2**) 12

**3**) 15

**4**) 30

**Correct Answer:** 12

**Candidate Answer:** 10

Question 52.The radius of two cylinders are in the ratio of 3:2 and their heights are in the ratio 3:7. The ratio of their volumes is :

दो बेलनों की त्रिज्याओं के बीच 3:2 का अनुपात है और उनकी ऊंचाई में 3:7 का अनुपात है। उनके आयतनों का अनुपात बताइए ?

**Options:**
**1**) 4:7

**2**) 7:4

**3**) 28:27

**4**) 27:28

**Correct Answer:** 27:28

**Candidate Answer:** 27:28

Question 53.The list price (marked price ) of an article is Rs. 900 and is available at two successive discounts of 20% and 10% ; the selling price of the article,in rupees, is

किसी वस्तु का अंकित मूल्य 900 Rs. है और वह 20% और 10% के क्रमिक छूट पर उपलब्ध है। उस वस्तु का रुपयों में विक्रय मूल्य बताइए ?

**Options:**
**1**) 640

**2**) 648

**3**) 720

**4**) 738

**Correct Answer:** 648

**Candidate Answer:** 648

Question 54.A, B and C enter into a partnership, investing Rs. 6000. A invests Rs. 1000 and B and C invests in the ratio of 2:3. Find the profit of C, when the annual profit is Rs. 2400

A, B और C Rs. 6000 निवेश करके साझेदारी शुरु करते हैं। A उसमें Rs. 1000 का निवेश करता है तथा B और C 2:3 के अनुपात में निवेश करते हैं। यदि वार्षिक लाभ Rs. 2400 हो, तो बताइए कि C को कितना लाभ हुआ ?

**Options:**
**1**) Rs.600

**2**) Rs.1200

**3**) Rs.1800

**4**) Rs.1950

**Correct Answer:** Rs.1200

**Candidate Answer:** Rs.1200

Question 55.Average of two numbers is 8 and average of other three numbers is 3 ; the average of the five numbers is

दो संख्याओं का औसत 8 है और अन्य तीन संख्याओं का औसत 3 है। पांचों संख्याओं का औसत बताइए ?

**Options:**
**1**) 2

**3**) 5

**4**) 6
**Correct Answer:** 5
**Candidate Answer:** 5

Question 56.To make a profit of 20% the selling price of the good is Rs. 240. The cost price of the good is,

यदि किसी वस्तु को Rs. 240 में बेचने पर 20% का लाभ होता है, तो उस वस्तु का क्रय मूल्य ज्ञात कीजिए ?
**Options:**
**1**) Rs. 200

**2**) Rs. 210

**3**) Rs. 220

**4**) Rs. 230
**Correct Answer:** Rs. 200
**Candidate Answer:** Rs. 200

Question 57.In an examination, 35% of total students failed in Hindi, 45% failed in English and 20% failed in both. Find the percentage of those studnets who passed in both the subjects ?

किसी परीक्षा में 35% छात्र हिन्दी में फेल हुए, 45% छात्र अंग्रेज़ी में फेल हुए और 20% छात्र दोनों विषयों में फेल हुए। उन छात्रों का प्रतिशत ज्ञात कीजिए जो दोनों विषयों में पास हुए ?
**Options:**
**1**) 45%
**2**) 35%
**3**) 20%
**4**) 40%
**Correct Answer:** 40%

**Candidate Answer:** 40%

Question 58.A man travels 50 km at speed 25 km/h and next 40 km at 20 km/h and there after travel 90km at 15 km/h. His average speed is

कोई व्यक्ति 50 कि.मी. की यात्रा 25 कि.मी. प्रति घण्टे की चाल से तय करता है और अगली 40 कि.मी. की यात्रा 20 कि.मी. प्रति घण्टे की चाल से तय करता है और उसके बाद 90 कि.मी. की यात्रा 15 कि.मी. प्रति घण्टे की चाल से तय करता है। उसकी औसत चाल क्या है ?
**Options:**
**1**) 18

**2**) 25

**3**) 20

**4**) 15
**Correct Answer:** 18
**Candidate Answer:** 18

Question 59.

$$If \ x + \frac{1}{x} \neq 0 \ and \ x^3 + \frac{1}{x^3} = 0 \ then \ the \ value \ (x + \frac{1}{x})^4 \ is$$

यदि $x + \frac{1}{x} \neq 0$ और $x^3 + \frac{1}{x^3} = 0$ हो तो $(x + \frac{1}{x})^4$ का मान बताइए।
**Options:**
**1**) 9

**2**) 12

**3**) 15

**4**) 16
**Correct Answer:** 9
**Candidate Answer:** [ NOT ANSWERED ]

Question 60.

$$If \ x + \frac{1}{x} = 2 \ then \ x^2 + \frac{1}{x^2} \ is \ equal \ to$$

यदि $x + \frac{1}{x} = 2$, हो तो $x^2 + \frac{1}{x^2}$ किसके बराबर होगा?

**Options:**
**1)** 0

**2)** 2

**3)** 4

**4)** 8

**Correct Answer:** 2

**Candidate Answer:** 2

Question 61.The orthocentre of a triangle lies on one of the sides. Then_____

यदि किसी त्रिकोण का लंब-केन्द्र किसी एक भुजा पर है, तो _____

**Options:**
**1)** The orthocentre lies on a vertex
लंब केन्द्र शिरोबिन्दु पर है
**2)** circumcentre lies outside the triangle
परिकेन्द्र त्रिकोण के बाहर है
**3)** circumcentre lies on the same side
परिकेन्द्र उसी भुजा पर है
**4)** centroid coinsides with orthocente
केन्द्रक लंब केन्द्र के साथ ही है

**Correct Answer:** The orthocentre lies on a vertex
लंब केन्द्र शिरोबिन्दु पर है

**Candidate Answer:** [ NOT ANSWERED ]

Question 62.Three sides of a triangle are 5 cm, 9 cm and x cm. The minimum integral value of x is

किसी त्रिकोण की तीन भुजाएं 5 से.मी., 9 से.मी. और x से.मी. हैं। x का न्यूनतम पूर्ण मान बताइए ?

**Options:**
**1)** 2
**2)** 3
**3)** 4
**4)** 5

**Correct Answer:** 5

**Candidate Answer:** 5

Question 63.The value of $\cos^2 20° + \cos^2 70°$ is

$\cos^2 20° + \cos^2 70°$ का मान ज्ञात कीजिए ?

**Options:**
**1)**
$\sqrt{2}$

**2)** 2

**3)**
$\frac{1}{\sqrt{2}}$

**4)** 1

**Correct Answer:** 1

**Candidate Answer:** 1

Question 64.If 5 person together can make 5 mats in 5 hrs, then 10 person in 10 hours will make

यदि 5 व्यक्ति मिलकर 5 घण्टे में 5 चटाइयां बना सकते हैं। तो 10 व्यक्ति 10 घंटे में कितनी चटाइयां बनाएंगे ?

**Options:**
**1)** 20 mats
20 चटाइयां
**2)** 10 mats
10 चटाइयां
**3)** 15 mats
15 चटाइयां
**4)** 5 mats
5 चटाइयां

**Correct Answer:** 20 mats
20 चटाइयां
**Candidate Answer:** 20 mats
20 चटाइयां

Question 65.If a + b = 17 and a - b = 9 then the value of $(4a^2 + 4b^2)$ is,

यदि a + b = 17 और a - b = 9 हो, तो $(4a^2 + 4b^2)$ का मान बताइए ?
**Options:**
**1**) 710
**2**) 720
**3**) 730
**4**) 740
**Correct Answer:** 740
**Candidate Answer:** 740

Question 66.If x +y = √3 and x - y = √2, then the value of 8xy $(x^2 + y^2)$ is

यदि x +y = √3 और x - y = √2 हो, तो 8xy $(x^2 + y^2)$ का मान बताइए ?
**Options:**
**1**) 6

**2**) √6

**3**) 5

**4**) √5
**Correct Answer:** 5
**Candidate Answer:** 5

Question 67.The length of a chord which is at a distance of 5cm from the centre of a circle of radius 13cm is

किसी ऐसी जीवा की लम्बाई क्या होगी जो 13 से.मी. त्रिज्या वाले वृत्त के केन्द्र से 5 से.मी. की दूरी पर हो ?
**Options:**
**1**) 18cm
18 से.मी.
**2**) 24cm
24 से.मी.
**3**) 25cm
25 से.मी.
**4**) 30cm
30 से.मी.

**Correct Answer:** 24cm
24 से.मी.
**Candidate Answer:** 24cm
24 से.मी.

Question 68.If the measures of the angles of a triangle are in the ratio. 1:2:3 and if the length of the smallest side of the triangle is 10cm, then the length of the longest side is

यदि किसी त्रिकोण के कोणों की माप 1:2:3 के अनुपात में हैं और त्रिकोण की सबसे छोटी भुजा की लम्बाई 10 से.मी. है, तो उसकी सबसे लम्बी भुजा की लम्बाई बताइए ?
**Options:**
**1**) 20cm
20 से.मी.
**2**) 25cm
25 से.मी.
**3**) 30cm
30 से.मी.
**4**) 35cm
35 से.मी.
**Correct Answer:** 20cm
20 से.मी.
**Candidate Answer:** [ NOT ANSWERED ]

Question 69.If cosA + $cos^2$A = 1 then the value of $sin^2$A + $sin^4$A is :

यदि cosA + $cos^2$A = 1 हो, तो $sin^2$A + $sin^4$A का मान बताइए ?
**Options:**
**1**) ½

**2**) ¼

**3)** ⅓

**4)** 1

**Correct Answer:** 1
**Candidate Answer:** 1

Question 70.A sum of Rs. 3000 amounts to Rs. 6000 in two years at compound interest. The interest for four years is

Rs. 3000 की राशि चक्रवृद्धि ब्याज पर 2 वर्ष के पश्चात Rs. 6000 हो जाती है। चार वर्ष का ब्याज क्या होगा ?
**Options:**
**1)** Rs.9000

**2)** Rs.12000

**3)** Rs.6000

**4)** Rs.3000
**Correct Answer:** Rs.9000

**Candidate Answer:** Rs.9000

Question 71.The angles of depression of two ships from the top of a light house are 45° and 30° toward east. If the ships are 200m apart, the height of the light house is (take √3=1.73)

किसी प्रकाश - स्तंभ के शीर्ष से दो पोतों के अवनमन कोण पूर्व की ओर 45° और 30° हैं। यदि पोत परस्पर 200 मीटर की दूरी पर हो तो प्रकाश-स्तंभ की ऊँचाई बताइए ? (यह मानते हुए कि √3 = 1.73)
**Options:**
**1)** 273m
273 मी.
**2)** 270m
270 मी.
**3)** 253m
253 मी.
**4)** 263m
263 मी.
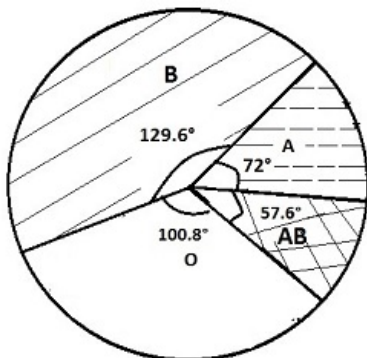**Correct Answer:** 273m
273 मी.
**Candidate Answer:** 273m
273 मी.

Question 72.This is a pie chart for the data on A,B,O, AB blood groups of 150 donors. Observe the pie chart and answer the questions

दिए गए पाई चार्ट में 150 दाताओं के ब्लड ग्रुप A, B, O, AB के आँकड़ों को दर्शाया गया है।पाई चार्ट का अध्ययन कीजिए और प्रश्नों के उत्तर दीजिए।



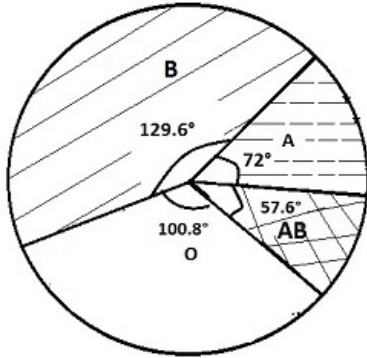The number of donors having blood group 'O' is:

**Options:**

**1**) 50

**2**) 42

**3**) 30

**4**) 34

**Correct Answer:** 42

**Candidate Answer:** 42

Question 73.This is a pie chart for the data on A,B,O, AB blood groups of 150 donors. Observe the pie chart and answer the questions

दिए गए पाई चार्ट में 150 दाताओं के ब्लड ग्रुप A, B, O, AB के आँकड़ों को दर्शाया गया है।पाई चार्ट का अध्ययन कीजिए और प्रश्नों के उत्तर दीजिए।



The number of persons having either blood group 'A' or blood group 'B' is

ऐसे व्यक्तियों की संख्या बताइए जिनका ब्लड ग्रुप या तो 'A' हो या 'B' हो?

**Options:**

**1**) 84

**2**) 96

**3**) 78

**4**) 54

**Correct Answer:** 84

**Candidate Answer:** 54

Question 74.This is a pie chart for the data on A,B,O, AB blood groups of 150 donors. Observe the pie chart and answer the questions

दिए गए पाई चार्ट में 150 दाताओं के ब्लड ग्रुप A, B, O, AB के आँकड़ों को दर्शाया गया है।पाई चार्ट का अध्ययन कीजिए और प्रश्नों के उत्तर दीजिए।
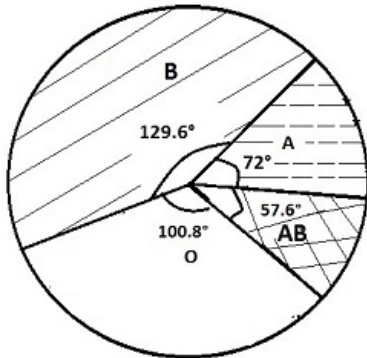


What is the percentage of donor having blood group 'AB' ?

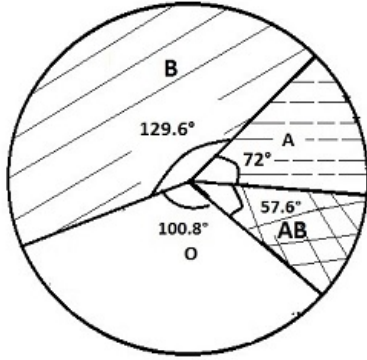ऐसे दाताओं की प्रतिशतता बताइए जिनका ब्लड ग्रुप 'AB' है ?

**Options:**

**1**) 61%

**2**) 26%

**3**) 16%

**4**) 36%

**Correct Answer:** 16%

**Candidate Answer:** 16%

Question 75.This is a pie chart for the data on A,B,O, AB blood groups of 150 donors. Observe the pie chart and answer the questions

दिए गए पाई चार्ट में 150 दाताओं के ब्लड ग्रुप A, B, O, AB के ऑंकड़ों को दर्शाया गया है।पाई चार्ट का अध्ययन कीजिए और प्रश्नों के उत्तर दीजिए।



The ratio of donors having blood group 'A' to the average of the donors having blood group 'O' , 'B' and 'AB' is

जिन दाताओं का ब्लड ग्रुप 'A' है उनका और जिन दाताओं का ब्लड ग्रुप 'O', 'B' और 'AB' हैं उनके औसत का, अनुपात ज्ञात कीजिए ?

**Options:**
**1**) 4:3
**2**) 4:5
**3**) 5:4
**4**) 3:4
**Correct Answer:** 3:4
**Candidate Answer:** 3:4


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.

ARDUOUS

**Options:**
**1**) FERVENT
**2**) STRONG
**3**) ENTHUSIASTIC
**4**) STRENUOUS
**Correct Answer:** STRENUOUS
**Candidate Answer:** STRONG


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.

QUIESCENT

**Options:**
**1**) IGNORANT
**2**) DORMANT
**3**) INNOCENT
**4**) IMPROPER
**Correct Answer:** DORMANT
**Candidate Answer:** IGNORANT


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.

**Options:**
**1**) Commemmorate
**2**) Commemorate
**3**) Comemmorate
**4**) Comemorate
**Correct Answer:** Commemorate
**Candidate Answer:** Commemorate

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.

Beside, writing is my hobby, (A) / I had ideas for a couple of short stories (B) / that needed further thought. (C) / No Error (D)

**Options:**
**1**) A
**2**) B
**3**) C
**4**) D

**Correct Answer:** A

**Candidate Answer:** A


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 recommended (A) / my case (B) / with the supervisor (C) / No Error (D)

**Options:**
**1**) A
**2**) B
**3**) C
**4**) D

**Correct Answer:** C

**Candidate Answer:** C


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.

Her knowledge in English (A) / gives her great advantage (B) / over me. (C) / No Error (D)

**Options:**
**1**) A
**2**) B
**3**) C
**4**) D

**Correct Answer:** A

**Candidate Answer:** A


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.

Do not _____ your own personal views upon the reader.

**Options:**
**1**) expose
**2**) interpose

**3**) express
**4**) impose

**Correct Answer:** impose

**Candidate Answer:** impose


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.

This school isn't _____ from the last one.

**Options:**
**1**) more different
**2**) any different
**3**) difference
**4**) any difference

**Correct Answer:** any different

**Candidate Answer:** any different


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.

I have decided _____ my course of action.

**Options:**
**1**) upon
**2**) with
**3**) for
**4**) of

**Correct Answer:** upon

**Candidate Answer:** of

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 bury the hatchet
**Options:**
**1**) To make peace
**2**) To dig the ground
**3**) To negotiate
**4**) To make war
**Correct Answer:** To make peace

**Candidate Answer:** [ NOT ANSWERED ]

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.

Selling like hot cakes
**Options:**
**1**) To have a good season
**2**) To become as planned
**3**) To have a very slow sale
**4**) To have a very good sale
**Correct Answer:** To have a very good sale

**Candidate Answer:** To have a good season

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.

Scot free
**Options:**
**1**) Unlimited
**2**) Unpunished
**3**) To freedom
**4**) Unrepentant
**Correct Answer:** Unpunished
**Candidate Answer:** [ NOT ANSWERED ]

Question 88.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 thing no longer in use
**Options:**
**1**) Illusion
**2**) Illegal
**3**) Obsolete
**4**) Historic
**Correct Answer:** Obsolete
**Candidate Answer:** Obsolete

Question 89.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 place where astronomical observations are made
**Options:**
**1**) Laboratory
**2**) Observatory
**3**) Astrolibrary
**4**) Astrophery
**Correct Answer:** Observatory
**Candidate Answer:** Observatory

Question 90.Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

Killing one's sister
**Options:**
**1**) Regicide
**2**) Fratricide
**3**) Matricide
**4**) Sororicide

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

Question 91.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.

Government officials keep <u>throwing</u> the buck to others.
**Options:**
**1**) giving
**2**) passing
**3**) donating
**4**) No improvement
**Correct Answer:** passing
**Candidate Answer:** passing

Question 92.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.

She angrily <u>broke up</u> the letter.
**Options:**
**1**) tore up
**2**) break in
**3**) teared up
**4**) No improvement
**Correct Answer:** tore up
**Candidate Answer:** tore up

Question 93.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.

They told me that they <u>had build</u> a new house.
**Options:**
**1**) have built
**2**) have build
**3**) had built
**4**) No improvement
**Correct Answer:** had built
**Candidate Answer:** had built

Question 94.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.

One should exercise <u>their</u> right to vote
**Options:**
**1**) his
**2**) our
**3**) one's
**4**) No improvement
**Correct Answer:** No improvement

**Candidate Answer:** his

Question 95.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.

She sank back with a <u>mourn</u> of pain
**Options:**
**1**) morn
**2**) mourne
**3**) moan
**4**) No improvement
**Correct Answer:** moan
**Candidate Answer:** No improvement

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.

Acharya Jagadish Chandra Bose, one of the greatest of modern scientists, graduated from St. Xavier's College, Kolkata. He then obtained Tripos of Cambridge University and joined the Presidency College, Kolkata, as Professor of Physics. He was a pioneer in the discovery of the wireless and radio and the Microwave. He made remarkable contribution to the science of Botany by proving with the help of an instrument of his own invention that not only do trees and plants have life, but feel pleasure and pain as we do. He was perhaps the first scientist to suggest the possibility of gathering and utilising energy from solar rays. Last but not least was the Bose Institute which he founded in 1917. It has now become a world-famous Research Laboratory doing yeoman's service to various branches of science.

Acharya Jagadish Chandra Bose, one of the greatest of modern scientists, graduated from which college?

**1**) St. Xavier's College, Kolkata
**2**) Cambridge University
**3**) Presidency College, Kolkata
**4**) Bose Institute

**Correct Answer:** St. Xavier's College, Kolkata

**Candidate Answer:** St. Xavier's College, Kolkata

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.

Acharya Jagadish Chandra Bose, one of the greatest of modern scientists, graduated from St. Xavier's College, Kolkata. He then obtained Tripos of Cambridge University and joined the Presidency College, Kolkata, as Professor of Physics. He was a pioneer in the discovery of the wireless and radio and the Microwave. He made remarkable contribution to the science of Botany by proving with the help of an instrument of his own invention that not only do trees and plants have life, but feel pleasure and pain as we do. He was perhaps the first scientist to suggest the possibility of gathering and utilising energy from solar rays. Last but not least was the Bose Institute which he founded in 1917. It has now become a world-famous Research Laboratory doing yeoman's service to various branches of science.

What is meant by yeoman service?
**Options:**
**1**) Minimal
**2**) Invaluable
**3**) Discreet
**4**) Sporadic

**Correct Answer:** Invaluable

**Candidate Answer:** Invaluable

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.

Acharya Jagadish Chandra Bose, one of the greatest of modern scientists, graduated from St. Xavier's College, Kolkata. He then obtained Tripos of Cambridge University and joined the Presidency College, Kolkata, as Professor of Physics. He was a pioneer in the discovery of the wireless and radio and the Microwave. He made remarkable contribution to the science of Botany by proving with the help of an instrument of his own invention that not only do trees and plants have life, but feel pleasure and pain as we do. He was perhaps the first scientist to suggest the possibility of gathering and utilising energy from solar rays. Last but not least was the Bose Institute which he founded in 1917. It has now become a world-famous Research Laboratory doing yeoman's service to various branches of science.

Acharya Jagadish Chandra Bose was a pioneer in the discovery of the wireless, radio and the _____ .

**Options:**
**1**) Toaster
**2**) Oven
**3**) Microwave
**4**) Radio

**Correct Answer:** Microwave

**Candidate Answer:** Microwave

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.

Acharya Jagadish Chandra Bose, one of the greatest of modern scientists, graduated from St. Xavier's College, Kolkata. He then obtained Tripos of Cambridge University and joined the Presidency College, Kolkata, as Professor of Physics. He was a pioneer in the discovery of the wireless and radio and the Microwave. He made remarkable contribution to the science of Botany by proving with the help of an instrument of his own invention that not only do trees and plants have life, but feel pleasure and pain as we do. He was perhaps the first scientist to suggest the possibility of gathering and utilising energy from solar rays. Last but not least was the Bose Institute which he founded in 1917. It has now become a world-famous Research Laboratory doing yeoman's service to various branches of science.

Jagadish Chandra Bose made remarkable contribution to the science of Botany by proving with the help of an instrument of his own invention that trees and plants have not only life, but _____ .
**Options:**
**1**) feel joyous and excited as we do.
**2**) feel happy and sad as we do.
**3**) feel excitement and pain as we do.
**4**) feel pleasure and pain as we do.

**Correct Answer:** feel pleasure and pain as we do.

**Candidate Answer:** feel pleasure and pain as we do.

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.

Acharya Jagadish Chandra Bose, one of the greatest of modern scientists, graduated from St. Xavier's College, Kolkata. He then obtained Tripos of Cambridge University and joined the Presidency College, Kolkata, as Professor of Physics. He was a pioneer in the discovery of the wireless and radio and the Microwave. He made remarkable contribution to the science of Botany by proving with the help of an instrument of his own invention that not only do trees and plants have life, but feel pleasure and pain as we do. He was perhaps the first scientist to suggest the possibility of gathering and utilising energy from solar rays. Last but not least was the Bose Institute which he founded in 1917. It has now become a world-famous Research Laboratory doing yeoman's service to various branches of science.

What is meant by a Tripos from Cambridge University?
**Options:**

1) A scholarship
**2**) A trophy
**3**) A degree
**4**) A medallion

**Correct Answer:** A degree

**Candidate Answer:** [ NOT ANSWERED ]