Notations :

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

Paper Id	Paper Name
20996313	TS ICET URDU 2024 6th June 2024 Shift 1

Question Paper Name:	TS ICET URDU 2024 6th June 2024 Shift 1
Subject Name:	TS ICET URDU 2024
Creation Date:	2024-06-03 12:08:17
Number of Questions:	200
Total Marks:	200
Display Marks:	Yes
Share Answer Key With Delivery Engine:	Yes
Actual Answer Key:	Yes
Calculator:	None
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No
Show Watermark on Console?:	Yes
Highlighter:	No
Auto Save on Console?	Yes
Question Type For Auto Save	MCQ,COMPREHENSION
Change Font Color?:	No
Change Background Color?:	No
Change Theme?:	No
Help Button?:	No
Show Reports?:	No
Show Progress Bar?:	No
Show hint in candidate console:	No

TS ICET 2024

Group Number :	1
Group Id :	20996313
Group Maximum Duration :	0
Group Minimum Duration :	150
Show Attended Group? :	No
Edit Attended Group? :	No
Break time:	0
Group Marks:	200

Analytical Ability

Section Id :	20996337
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions to be attempted:	45
Section Marks:	75
Maximum Instruction Time :	0

Sub-Section Number:	1
Sub-Section Id:	209963277
Question Shuffling Allowed :	No

Question Id : 2099632497 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Question Numbers : (1 to 20)

Note: In questions numbered from 1 to 20, a question is followed by data in the form of two statements labelled as (I) and (II). You must decide whether the data given in the statements are sufficient to answer the questions. Using the data make an appropriate choice from (1) to (4) as per the following guidelines:

(a) Mark choice (1) if the statement (I) alone is sufficient to answer the question.

(b) Mark choice (2) if the statement (II) alone is sufficient to answer the question.

(c) Mark choice (3) if both the statements (I) and (II) are sufficient to answer the question but neither statement alone is not sufficient.

(d) Mark choice (4) if both the statements (I) and (II) together are not sufficient to answer the question and additional data are required.

<div dir="rtl">

نوٹ: سوالات 1 تا 20 میں ہر سوال دو بیانات (I) اور (II) معطیات(معلومات) پر مشتمل ہے۔ آپ کو طے کرنا ہے کہ بیانات میں دیے گئے معطیات(معلومات) سوالات کے جوابات دینے کے لیے کافی ہیں۔ ہدایات کے مطابق معطیات کا استعمال کرتے ہوئے (1) تا (4) سے مناسب جواب کا انتخاب کیجئے۔

(a) اگر صرف بیان (I) سوال کا جواب دینے کے لیے کافی ہے تو (1) نشان زد کیجیے۔

(b) اگر صرف بیان(II) سوال کا جواب دینے کے لیے کافی ہے تو (2) نشان زد کیجیے۔

(c) اگر دونوں بیانات (I) اور (II) سوال کا جواب دینے کے لیے کافی ہیں، لیکن دونوں میں سے کوئی ایک تنہا جواب دینے کے لئے کافی نہ ہو تو (3) نشان زد کیجیے۔

(d) اگر دونوں بیانات (I) اور (II) مل کر سوال کا جواب دینے کے لئے کافی نہ ہوں، مزید اضافی معلومات در کار ہو تو (4) کو نشان زد کیجیے۔

</div>

Sub questions

Question Number : 1 Question Id : 2099632498 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   1. Data Sufficiency

معطیات کی کفایت

What is the four-digit number $54xy$?

<div dir="rtl">چار ہندسی عدد 54xy کیا ہے؟</div>

(I) $x + y = 4$

(II) $x - y = 2$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 2 Question Id : 2099632499 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت

1. Data Sufficiency
معطیات کی کفایت

What is the GCD of x and y ?

x اور y کا ع۔ا۔م (GCD) کیا ہے؟

(I) $x^2 + y^2 = 36$

(II) LCM of x and y is xy.

x اور y کا ذ۔ا۔م (LCM) ، xy ہے۔

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 3 Question Id : 2099632500 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

What is the area of the rectangle?

مستطیل کا رقبہ کیا ہے؟

(I)   The ratio of length and breadth of the rectangle is 5 : 3.

مستطیل کے طول اور عرض کی نسبت 5:3 ہے۔

(II)   Circumference of a circle is 352 m and the length of the rectangle is $\frac{1}{4}$ of the radius of the circle.

دایرے کا احاطہ 352 میٹر ہے۔ اور مستطیل کا طول دائرے کے نصف قطر کا $\frac{1}{4}$ گنا ہے۔

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 4 Question Id : 2099632501 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

If x and y are real then, what is the value of xy ?

اگر x اور y حقیقی ہیں تب xy کی قدر کیا ہے؟

(I) $x + y = 8$

(II) $x^2 + y^2 = 34$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 5 Question Id : 2099632502 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

What is the volume of the cylinder whose radius is r cm and height h cm?

استوانہ کا حجم کیا ہے جس کا نصف قطر r cm اور بلندی h cm ہے۔

(I) $r + h = 10$

(II) $r^2 - rh - 2h^2 = 0$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 6 Question Id : 2099632503 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   1. Data Sufficiency
                                                                معطیات کی کفایت

Is that year a leap year?

کیا وہ سال، سال کبیسہ ہے؟

(I)   The number represented the year is divisible by 4.

سال کو ظاہر کرنے والا عدد 4 سے قابل تقسیم ہے۔

(II)   The number represented the year ends in two zeros.

سال کو ظاہر کرنے والا عدد دو صفر سے اختتام پذیر ہے۔

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 7 Question Id : 2099632504 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

What is the distance between the places A and B ?

مقامات A اور B کا درمیانی فاصلہ کیا ہے؟

(I)   If a person starts walking from A with a speed of 4 km/hr, he reaches B by 30 min. late

اگر ایک شخص مقام A سے 4 کلو میٹر فی گھنٹے کی رفتار سے چلنا شروع کیا اور B تک 30 منٹ تاخیر سے پہنچا۔

(II)   If a person travels from A on a cycle with a speed of 6 km/hr, he reaches B by 20 min. earlier.

اگر ایک شخص بذریعہ سائیکل مقام A سے 6 کلو میٹر فی گھنٹے کی رفتار سے سفر شروع کر کے B تک 20 منٹ قبل پہنچ جاتا ہے۔

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 8 Question Id : 2099632505 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

Find the prime number p.

مفرد عدد P معلوم کیجئے۔

(I) p lies in between 40319 and 40330.

'P 40319 اور40330 کے درمیان واقع ہے۔

(II) $p > 40318$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 9 Question Id : 2099632506 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

What is the area of the rectangle?

مستطیل کا رقبہ کیا ہے؟

(I)   The perimeter of the rectangle is $48m$.

مستطیل کا احاطہ 48 میٹر ہے۔

(II)   The ratio of length and breadth of the rectangle is 7:5.

مستطیل کے طول اور عرض کی نسبت 7:5 ہے۔

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 10 Question Id : 2099632507 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   1. Data Sufficiency
                                                             معطیات کی کفایت

Find the number of possible values of the natural number n.

طبعی عدد n کی تمام ممکنہ قدریں معلوم کیجیئے۔

(I) n is greater than or equal to 1.

n ایک سے بڑا یا ایک کے مساوی ہے

(II) n divides $5n + 2013$.

n، $5n + 2013$ کو تقسیم کرتا ہے۔

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 11 Question Id : 2099632508 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

What was the average speed for 1200 km trip?

1200 کلو میٹر کے سفر کے لیئے اوسط رفتار کیا تھی؟

(I)   The first 400 km of the trip took 4 hours.

سفر کے پہلے 400 کلو میٹر کا فاصلہ 4 گھنٹوں میں طئے ہوا۔

(II)   The last 800 km of the trip took 10 hours.

سفر کے آخری 800 کلو میٹر کا فاصلہ 10 گھنٹوں میں طئے ہوا۔

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 12 Question Id : 2099632509 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

What is the value of $log_c\ a$?

$log_c\ a$ کی قدر کیا ہے؟

(I) $log_a b = k$

(II) $log_b c = l$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت

1. Data Sufficiency
معطیات کی کفایت

If a solid metallic cone is melted and recast into a sphere, then what is the radius of the sphere?

ایک ٹھوس دھاتی مخروط کو پگھلا کر کرّہ بنایا گیا ہے تب کرہ کا نصف قطر کیا ہوگا؟

(I)   The radius of the cone is 5 cm.

مخروط کا نصف قطر 5 سینٹی میٹر ہے۔

(II)   The height of the cone is 10 times its radius.

مخروط کی بلندی (h) اس کے نصف قطر کا 10 گنا ہے۔

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Which is the most efficient among the machines A, B, C ?

مشین A، B اور C میں کون سی بہت زیادہ موثر ہے۔

(I)   3 hours running time of A is same as 4 hours running time of B.

A کا 3 گھنٹے کام کرنا مساوی ہے B کے 4 گھنٹے کام کرنے کے۔

(II)   4 hours running time of A is same as 5 hours running time of C

A کا 4 گھنٹے کام کرنا مساوی ہے C کے 5 گھنٹے کام کرنے کے۔

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 15 Question Id : 2099632512 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

What is the salary of *A*?

A کی تنخواہ کیا ہے۔

(I)   *A* gets 20% less than *B*'s salary and *B* gets 50% more than that of *C*.

A، B کی تنخواہ سے 20% کم حاصل کرتا ہے اور B، C کی تنخواہ سے 50% زیادہ حاصل کرتا ہے۔

(II)   *C*'s salary is Rs.50000.

C کی تنخواہ 50000 روپیئے ہے۔

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 16 Question Id : 2099632513 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

Can we construct the triangle ABC ?

کیا ہم مثلث ABC تشکیل دے سکتے ہیں؟

(I)   AB = 2cm, BC = 3cm, CA = 6 cm

(II)   BC > CA > AB

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 17 Question Id : 2099632514 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت

1. Data Sufficiency
معطیات کی کفایت

Is y positive?

کیا Y ثبت ہے؟

(I) $x^2 + y < 0$

(II) $x - y > 0$

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 18 Question Id : 2099632515 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

What is the average of a, b, c, d ?

a,b,c,d کااوسط کیا ہے۔

(I) $a + b = c + d + 6$

(II) $c + d = 10$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 19 Question Id : 2099632516 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

Are ΔABC and ΔPQR of same area?

کیا ΔABCاورΔPQRکا رقبہ مساوی ہے؟

(I) $BC = QR$

(II) $\angle B = \angle Q$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 20 Question Id : 2099632517 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY تجزیاتی قابلیت

1. Data Sufficiency
معطیات کی کفایت

Find the prime number p.

مفرد عدد P معلوم کیجئے۔

(I) $719 < p < 727$

(II) $p \geq 727$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	2
Sub-Section Id:	209963278
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 2099632518 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving
مسئلہ کا حل

A. Series (Analogies/a:b::c:d relationships)
سلسلہ

A ③ ② D : I ⑪ ⑩ L :: E ⑦ ⑥ H : N 〇 〇 R

(1) ⑪ ⑯
(2) ⑯ ⑮
(3) ⑯ ⑭
(4) ⑫ ⑯

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 22 Question Id : 2099632519 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving
مسئلہ کا حل

A. Series (Analogies/a:b::c:d relationships)
سلسلہ

ABODE : BC14EF :: GENRE : _____

(1) HF13SF
(2) HF14SF
(3) HF15SF
(4) HF16SF

Options :

1. ✔ 1

2. ✶ 2

3. ✶ 3

4. ✶ 4

Question Number : 23 Question Id : 2099632520 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving   A. Series (Analogies/a:b::c:d relationships)

مسئلہ کا حل   سلسلہ

$$x^2 + 4x + 4 : x^3 + 6x^2 + 12x + 8 \; :: \; x^2 - 4x + 4 : \underline{\quad} \; .$$

(1) $x^3 - x^2 - x - 1$

(2) $x^2 - 6x^2 + 11x - 6$

(3) $x^2 + 6x^2 + 11x + 7$

(4) $x^3 - 6x^2 + 12x - 8$

Options :

1. ✔ 1

2. ✶ 2

3. ✶ 3

4. ✶ 4

Question Number : 24 Question Id : 2099632521 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving
مسئلہ کا حل

A. Series (Analogies/a:b::c:d relationships)
سلسلہ

$$\frac{CFI}{126} : \frac{DHL}{224} :: \frac{EJO}{350} : \text{\_\_\_}$$

(1) $\dfrac{FLR}{504}$

(2) $\dfrac{FLR}{324}$

(3) $\dfrac{FLR}{18}$

(4) $\dfrac{FLR}{216}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 25 Question Id : 2099632522 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving سئلہ کاحل

A. Series (Analogies/a:b::c:d relationships) سلسلہ

B 3 F : C 3 I :: J 2 T : D __ X

(1) 4

(2) 5

(3) 6

(4) 7

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

ROUND : NDURO :: CAKES : _____

(1) EKSCA

(2) ESKAC

(3) ESKCA

(4) ESCKA

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

**Question Number : 27 Question Id : 2099632524 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving A. Series (Analogies/a:b::c:d relationships)

مسئلہ کا حل سلسلہ

DEF : 360 :: HIJ : _____.

(1) 2810

(2) 2180

(3) 2020

(4) 2160

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 28 Question Id : 2099632525 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving   A. Series (Analogies/a:b::c:d relationships)

مسئلہ کا حل   سلسلہ

217 : 344 :: 730 : _____.

(1)   999

(2)   1332

(3)   1001

(4)   513

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 29 Question Id : 2099632526 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

A. Series (Analogies/a:b::c:d relationships)

سلسلہ

$$7 + 2\sqrt{12} : 2 + \sqrt{3} :: \_\_\_ : 2 + \sqrt{5}$$

(1) $9 + \sqrt{5}$

(2) $9 + 2\sqrt{5}$

(3) $9 + 3\sqrt{5}$

(4) $9 + 4\sqrt{5}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 30 Question Id : 2099632527 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving   A. Series (Analogies/a:b::c:d relationships)

مسئلہ کا حل   سلسلہ

FUSTY (YUTSF) : VYING (GNIYV) :: WILGA (GILWA) : YAMEN (____)

(1) NAMEY

(2) NAMDY

(3) NEMAY

(4) AMENY

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	3
Sub-Section Id:	209963279
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 2099632528 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

A. Series (Odd things out)

مسئلہ کا حل

سلسلہ

10, 30, 68, 130, 220, 350, 520

(1)   68

(2)   10

(3)   350

(4)   220

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 32 Question Id : 2099632529 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Odd things out)

سلسلہ

112, 100, 90, 80, 76, 72, 70

(1) 90

(2) 80

(3) 76

(4) 72

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 33 Question Id : 2099632530 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Odd things out)

سلسلہ

0, 0, 2, 3, 6, 10, 15,

(1) 2

(2) 3

(3) 15

(4) 6

Options :

1. ✅ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 34 Question Id : 2099632531 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Odd things out)

سلسلہ

ESOR, YLIL, SUTOL, NOMEL, SPILUT, DLOGIRAM, AILLEMAC

(1)   ESOR

(2)   YLIL

(3)   NOMEL

(4)   SUTOL

Options :

1. ✅ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 35 Question Id : 2099632532 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

A. Series (Odd things out)

مسئلہ کاحل

سلسلہ

22, 32, 44, 58, 74, 92, 111, 134

(1) 92

(2) 111

(3) 134

(4) 74

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	4
Sub-Section Id:	209963280
Question Shuffling Allowed :	Yes

Question Number : 36 Question Id : 2099632533 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

متسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

5, 64, 15, 192, 60, 768, 300, _____, 1800

(1)   3840

(2)   3640

(3)   3740

(4)   3940

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 37 Question Id : 2099632534 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

متسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

2.8, 5.6, 8.4, 11.2, _____, 16.8, 19.6

(1)   12.2

(2)   13.2

(3)   15.2

(4)   14.2

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 38 Question Id : 2099632535 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

135135, _____, 945, 105, 15, 3

(1)   10405

(2)   10400

(3)   10395

(4)   10390

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 39 Question Id : 2099632536 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

380, 280, 199, _____, 86, 50, 25

(1)   150

(2)   145

(3)   140

(4)   135

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 40 Question Id : 2099632537 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving
مسئلہ کا حل

A. Series (Missing numbers in sequence or series)
سلسلہ

$$2, \frac{4}{\sqrt{3}}, \underline{\hspace{1cm}}, \frac{16}{3\sqrt{3}}, \frac{32}{9}$$

(1) $\dfrac{8}{3}$

(2) $\dfrac{8}{\sqrt{3}}$

(3) $\dfrac{8}{3\sqrt{3}}$

(4) 8

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 41 Question Id : 2099632538 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

$$\frac{\sqrt{2}+1}{\sqrt{2}-1}, \frac{1}{2-\sqrt{2}}, \text{———}, \frac{1}{4+\sqrt{8}}, \frac{1}{4(3+2\sqrt{2})}$$

(1) $\frac{1}{2}$

(2) $\frac{1}{\sqrt{2}}$

(3) $\sqrt{2}$

(4) $2\sqrt{2}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

2. Problem Solving

مسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

$$\frac{1}{2}, \frac{1}{\sqrt{2}}, \frac{\sqrt{3}}{2}, \underline{\quad}, 1, \frac{\sqrt{3}-1}{2\sqrt{2}}, \frac{\sqrt{3}}{2}$$

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

(2) $\frac{\sqrt{3}+1}{\sqrt{2}}$

(3) $\frac{\sqrt{3}+1}{2\sqrt{2}}$

(4) $\frac{\sqrt{3}+1}{4}$

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 43 Question Id : 2099632540 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

5, 3, 12, 6, 30, 20, _____, 42

(1) 49

(2) 56

(3) 52

(4) 54

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 44 Question Id : 2099632541 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

AF, BL, CT, _____, EP, FD

(1)   EE

(2)   CC

(3)   FF

(4)   DD

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 45 Question Id : 2099632542 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Problem Solving

مسئلہ کا حل

A. Series (Missing numbers in sequence or series)

سلسلہ

65, 64, 69, 66, 75, 68, 83, 70, _____, 72

   (1)   87

   (2)   89

   (3)   91

   (4)   93

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

The following table illustrates the number of candidates (in thousands) appeared for three entrance exams A, B, C over a five-year period from 2019 to 2023.

ذیل کے جدول میں 2019تا2023 ، پانچ سال کے دوران تین داخلہ امتحان A،Bاور Cمیں شرکت کرنے والے طلبہ کی تعداد(ہزاروں میں)بطور مثال دی گئی ہے۔

Year	A	B	C
2019	220	49	13
2020	250	46	30
2021	220	57	40
2022	400	76	25
2023	310	72	42

Read the table carefully and answer the following questions 46 to 48.

جدول کو احتیاط سے پڑھئے اور سوالات 46تا48 کے جوابات دیجئے۔

Sub questions

Question Number : 46 Question Id : 2099632544 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

B. Data Analysis

معطیات کا تجزیہ

In the exam A, the percentage of increase in the number of candidates appeared in 2022 compared to 2021 is

2021 کے مقابلے 2022 میں امتحان A میں شرکت کرنے والے طلباء کی تعداد میں اضافہ کا فیصد ہے۔

- (1) 78
- (2) 89.2
- (3) 81.8
- (4) 72.3

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 47 Question Id : 2099632545 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

What percent of candidates appeared for B in 2022 compared to all the candidates appeared for B during five years?

5 سالوں کے دوران امتحان B میں شرکت کرنے والے تمام طلباء کے مقابلے 2022 میں امتحان B کے لئے شرکت کرنے والے طلباء کا فیصد کیا ہے؟

(1)   24

(2)   25.3

(3)   26.3

(4)   27

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 48 Question Id : 2099632546 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

By what percent approximately is the maximum number of candidates appeared compared to its previous year in C?

امتحان C میں گذشتہ سال کے مقابلے تقریباً زیادہ سے زیادہ تعداد میں شرکت کرنے والے طلباء کا فیصد کیا ہے۔

(1)　125

(2)　120

(3)　57

(4)　131

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	6
Sub-Section Id:	209963282
Question Shuffling Allowed :	No

Question Id : 2099632547 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Question Numbers : (49 to 51)

B. Data Analysis

معطیات کا تجزیہ

There are 6600 employees in all in four companies A, B, C and D. The following pie chart shows percent wise distribution of the employees in these companies.

تمام چار کمپنیوں A، B، C اور D میں 6600 ملازمین ہیں، ذیل کا پائی چارٹ ان کمپنیوں میں ملازمین کی تقسیم کے فیصد کو ظاہر کر رہا ہے۔
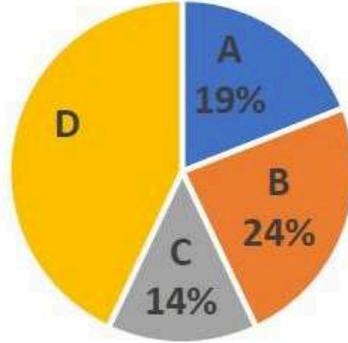
The following table gives the male to female employees ratio in these four companies A, B, C and D.

ذیل کا جدول ان چار کمپنیوں A، B، C اور D کے مرد اور خواتین ملازمین کی نسبت فراہم کرتا ہے۔

| Company
کمپنی | Male - Female Ratio
مرد ۔ خواتین نسبت |
|---|---|
| A | 2 : 1 |
| B | 5 : 4 |
| C | 1 : 3 |
| D | 5 : 6 |

Read these carefully and answer the following questions from 49 to 51.

ان معلومات کو احتیاط سے پڑھیے اور سوالات 49 تک 51 کے جوابات دیجیے۔

Sub questions

**Question Number : 49 Question Id : 2099632548 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**
Correct Marks : 1 Wrong Marks : 0

The total number of female employees in all these four companies is

تمام چار کمپنیوں میں جملہ خواتین ملازمین کی تعداد ہے۔

(1) 3363

(2) 3364

(3) 3365

(4) 3366

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 50 Question Id : 2099632549 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

The total number of male employees in companies A and B is

A اور B کمپنیوں میں کل مرد ملازمین کی تعداد ہے۔

(1) 1734

(2) 1725

(3) 1716

(4) 1737

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 51 Question Id : 2099632550 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY تجزیاتی قابلیت

B. Data Analysis

معطیات کا تجزیہ

The total number of female employees in the companies C and D is

CاورD کمپنیوں میں جملہ خواتین ملازمین کی تعداد ہے۔

(1) 2240

(2) 2241

(3) 2242

(4) 2243

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	7
Sub-Section Id:	209963283
Question Shuffling Allowed :	No

Question Id : 2099632551 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Question Numbers : (52 to 55)

Let S be the set of first 200 natural numbers, A be the set of all multiples of 3 in S,
B be the set of all multiples 5 in S and C be the set of all multiples of 7 in S.
Based on this information answer the questions from 52-55.

مان لیجیے کہ S پہلے 200 طبعی اعداد کا سٹ ہے، A، S میں تمام 3 کے اضعاف کا سٹ ہے، B، S میں تمام 5 کے اضعاف کا

سٹ ہے اور C، S میں تمام 7 کے اضعاف کا سٹ ہے۔

مذکورہ معلومات کی بنیاد پر سوالات 52 تا 55 کے جوابات دیجیے۔

Sub questions

Question Number : 52 Question Id : 2099632552 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

The number of elements of S which are divisible by 3 and 5 but not 7 is

S میں عناصر کی تعداد جو 3 اور 5 سے قابل تقسیم ہیں لیکن 7 سے نہیں۔

(1) 12
(2) 4
(3) 8
(4) 15

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   B. Data Analysis

معطیات کا تجزیہ

The number of elements of S which are not divisible by any of 3, 5 and 7 is

S میں عناصر کی تعداد جو 3،5 اور 7 کسی سے بھی قابل تقسیم نہیں ہیں۔

(1)   62

(2)   72

(3)   82

(4)   92

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   B. Data Analysis

معطیات کا تجزیہ

The number of elements of S which are divisible by all the three numbers

3, 5 and 7 is

S میں عناصر کی تعداد جو تمام تینوں اعداد 3،5 اور 7 سے قابل تقسیم ہیں۔

(1)   1

(2)   2

(3)   3

(4)   4

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 55 Question Id : 2099632555 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   B. Data Analysis
معطیات کا تجزیہ

The number of elements of *S* which are exactly divisible by any two of *3, 5* and *7*

is

S میں عناصر کی تعداد جو 3، 5اور 7 میں کسی دوسے قابل تقسیم ہیں۔

(1)   16

(2)   20

(3)   24

(4)   12

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	8
Sub-Section Id:	209963284
Question Shuffling Allowed :	No

Question Id : 2099632556 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension
Questions : No Question Pattern Type : NonMatrix Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in
seconds) : 0 Calculator : None

Question Numbers : (56 to 60)

In the English alphabet, each vowel is coded to its next second vowel cyclically i.e., *U* is coded as *E*, *O* is coded as *A* … and each consonant is coded to its second right consonant cyclically. i.e., *Z* is coded as *C*, *X* is coded to *Z*, *Y* is coded to *B* etc. Using this coding procedure, answer the following questions from 56-60.

انگریزی حروف تہجی میں ہر حرف علت (Vowel) کو اس کے فوری بعد آنے والے دوسرے حرف علت سے کوڈ کیا گیا ہے جیسے U کو E سے کوڈ کیا گیا ہے، O کو A سے کوڈ کیا گیا ہے، اور ہر Consonant کو اس کے فوری بعد آنے والے دوسرے Consonant سے کوڈ کیا گیا ہے جیسے کہ Z کو C سے، X کو Z سے اور Y کو B سے کوڈ کیا گیا ہے وغیرہ۔۔۔ اس کوڈنگ طریقہ کار کو استعمال کرتے ہوئے، سوالات 56 تا 60 کے جوابات دیجیئے۔

Sub questions

Question Number : 56 Question Id : 2099632557 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

Code word for JASMINE is

JASMINE کے لئے کوڈ لفظ ہے۔

(1) LIVQUPO

(2) LIVPWRO

(3) LIVPUQO

(4) LIVPXRO

Options :

1. ✔ 1

2. ✱ 2

3. ✱ 3

4. ✱ 4

Question Number : 57 Question Id : 2099632558 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   C. Coding and Decoding Problems
کوڈنگ اور ڈی کوڈنگ کے سوالات

Which word is coded as LOTUS?

LOTUS کے لئے کونسالفظ کوڈ کیا گیا ہے۔

(1) JERIQ

(2) JERIP

(3) JERIR

(4) JERJQ

Options :

1. ✔ 1

2. ✱ 2

3. ✱ 3

4. ✱ 4

Question Number : 58 Question Id : 2099632559 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

C. Coding and Decoding Problems

کوڈنگ اور ڈی کوڈنگ کے سوالات

Code word for COMMON

COMMON کے لئے کوڈ لفظ ہے۔

(1) FAQPAQ

(2) FASSAQ

(3) FAPPBQ

(4) FAPPAQ

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 59 Question Id : 2099632560 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

C. Coding and Decoding Problems

کوڈنگ اور ڈی کوڈنگ کے سوالات

SOLDIER is code word for

SOLDIER اس کے لئے کوڈ لفظ ہے۔

(1) QEJABUP

(2) QEJBAUP

(3) QEJBAVP

(4) QFJBAUP

Options :

1. ✔ 1

2. ✻ 2

3. ✻ 3

4. ✻ 4

Question Number : 60 Question Id : 2099632561 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   C. Coding and Decoding Problems

کوڈنگ اور ڈی کوڈنگ کے سوالات

KARGIL is the code for

KARGILاس کے لئے کوڈ ہے۔

(1) HOQDAJ

(2) HORDAJ

(3) HOPDAJ

(4) HOPDBJ

Options :

1. ✔ 1

2. ✻ 2

3. ✻ 3

4. ✻ 4

Sub-Section Number:	9
Sub-Section Id:	209963285
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 2099632562 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

EDUCATION is coded as 274563801 and DICTATION is coded as 785363801, then the code for ADDICT

EDUCATIONکو274563801سے کوڈ کیا گیا ہے اور DICTATIONکو785363801سے کوڈ کیا
گیا ہے تب ADDICT کے لئے کوڈ ہے۔

(1)   675583

(2)   676583

(3)   677883

(4)   677853

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 62 Question Id : 2099632563 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

If CLIENT is coded as ENEAPV, then the word coded as ECPEXG is

اگر CLIENT کو ENEAPV کوڈ کیا گیا ہے تب لفظ جو ECPEXG سے کوڈ کیا گیا ہے۔

(1)   ACTIVE

(2)   CTAVIE

(3)   ATCEVI

(4)   CATIVE

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 63 Question Id : 2099632564 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

If NEAR is coded as 66 and COLD is coded as 70, then the code of DOWN is

اگرNEARکو66سے کوڈ کیا گیا ہے اورCOLDکو70 سے کوڈ کیا گیا ہے،تب DOWNکاکوڈ ہے۔

(1) 70

(2) 68

(3) 58

(4) 48

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 64 Question Id : 2099632565 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

If REPAIR is coded as 67 and ABILITY is coded as 78, then the code for CODE is

اگرREPAIRکو67اور ABILITY کو 78 کوڈ کیا گیا ہے،تب CODE کے لئے کوڈ ہوگا۔

(1) 25

(2) 26

(3) 27

(4) 28

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 65 Question Id : 2099632566 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - A : ANALYTICAL ABILITY   تجزیاتی قابلیت   C. Coding and Decoding Problems
کوڈنگ اور ڈی کوڈنگ کے سوالات

If KRISHNA is coded as RXNWKPB, then the code of YAMUNA is

اگر KRISHNA کو RXNWKPB سے کوڈ کیا گیا ہو، تب YAMUNA کا کوڈ ہو گا۔

(1) EFXQPB

(2) EFQXPB

(3) EFQXBP

(4) FEQXPB

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	10
Sub-Section Id:	209963286
Question Shuffling Allowed :	Yes

Question Number : 66 Question Id : 2099632567 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

If 8th December, 2007 was Saturday, then which day of the week was on 8th December, 1980?

اگر 8، دسمبر 2007 ہفتہ تھا، تب 8، دسمبر 1980 کو ہفتہ کا کونسا دن تھا؟

(1)	Sunday	اتوار
(2)	Saturday	ہفتہ
(3)	Tuesday	منگل
(4)	Monday	پیر

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 67 Question Id : 2099632568 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

If α, β are the acute angles between the hour hands and minute hands of a clock when the time is 7.26 and 7.36 respectively, then $\alpha - \beta$ is (in degrees)

ایک گھڑی میں جب 7.26 بجے اور 7.36 بجے گھنٹے اور منٹ کی سوئیوں کے درمیان بننے والے حادہ زاوئے بالترتیب اگر

α اور β ہوں تب $\beta - \alpha$ کی قدر ہے (درجوں میں)

(1) 65

(2) 55

(3) 79

(4) 45

Options :

1. ✔ 1

2. ✷ 2

3. ✷ 3

4. ✷ 4

Question Number : 68 Question Id : 2099632569 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

If time in a clock is 8.40, what time does its mirror image show?

اگر ایک گھڑی میں وقت 8.40 ہو تب آئینہ میں اس کے خیال کا وقت کیا دکھائی دے گا۔

(1)   3.10
(2)   3.20
(3)   3.30
(4)   3.40

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 69 Question Id : 2099632570 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

D. Date and Time & Arrangement Problems

تاریخ، وقت اور انتظام کے مسائل

A man said to a woman "Your father's only sister is my mother". How is related that man with the women's father?

ایک شخص ایک عورت سے کہتا ہے کہ ''آپ کے والد کی یکلوتی بہن میری ماں ہے''، اُس شخص کا عورت کے والد سے یہ رشتہ ہے۔

(1) Son-in-law   داماد

(2) Son   بیٹا

(3) Father   والد

(4) Nephew   بھانجہ

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 70 Question Id : 2099632571 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

Mohan starts walking from A. Having walked for 400m he turns left walks for 300m and turns to right and walk for 300m. Then he turns again right and walks a distance of 800m and then turns left walks for 500m and reaches the point B. Then, the distance between A and B (in meters) is

موہن مقام A سے چلنا شروع کیا 400 میٹر چلنے کے بعد وہ بائیں جانب رخ کرکے 300 میٹر چل کر دائیں جانب رخ کرکے 300 میٹر چلتا ہے پھر وہ دوبارہ دائیں جانب رخ کرکے 800 میٹر کا فاصلہ طے کرتا ہے اور پھر بائیں جانب رخ کرکے 500 میٹر چلتا ہے اور نقطہ B پر پہنچتا ہے۔ تب A اور B کا درمیانی فاصلہ (میٹروں میں) ہے۔

(1)   1300

(2)   1200

(3)   1100

(4)   1400

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 71 Question Id : 2099632572 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

A cyclist Anvesh makes a trip of 42 km. He leaves 6 minutes late, but travels 1 kmph faster and arrives on time. Then the speed of the cyclist is

سائیکل سوار انویش 42 کلو میٹر کا سفر طے کرتا ہے وہ چھ منٹ تاخیر سے نکلتا ہے لیکن ایک کلو میٹر فی گھنٹہ تیز رفتار سے سفر کر کے

وقت پر پہنچ جاتا ہے تب سائیکل سوار کی رفتار ہو گی۔

    (1)   20

    (2)   21

    (3)   22

    (4)   23

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 72 Question Id : 2099632573 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

Five persons A, B, C, D and E are seated around a circular table facing the centre. C is the first to the left A and is also to first to the right of D. B is not immediate neighbour to A. Who is to the second left of D?

پانچ افراد A، B، C، D اور E ایک دائری میز کے اطراف بیٹھے ہوئے ہیں C، A کے بائیں جانب کا پہلا اور D کے دائیں جانب کا

پہلا ہے B، A کا فوری پڑوسی نہیں ہے D کے بائیں جانب کا دوسرا فرد کون ہے۔

(1)   A

(2)   B

(3)   C

(4)   E

Options :

1. ✔ 1

2. ✱ 2

3. ✱ 3

4. ✱ 4

Question Number : 73 Question Id : 2099632574 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

Let m, n be any two integers. If $m * n = m^2 + mn + n^2$ and

$m \oplus n = m^2 - mn + n^2,$ then $(1 * 2) \oplus (3 * 1) =$

$$m * n = m^2 + mn + n^2 \quad \text{مان لیجئے } m, n \text{ کوئی دو صحیح عدد ہیں۔ اگر}$$

$$(1 * 2) \oplus (3 * 1) = \quad\quad \text{تب} \quad m \oplus n = m^2 - mn + n^2 \text{ اور}$$

(1) 127

(2) 37

(3) 137

(4) 217

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 74 Question Id : 2099632575 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

Define $a \oplus b = a + b + 1$,

$a \otimes b = a + b + ab$, $a, b \in \mathbb{Z}$. Then,

the solution of $x \otimes (5 \oplus x) = 5 \otimes (x \oplus x)$ which is positive is

$a \oplus b = a + b + 1$, واضح کیجیے۔

تب $a \otimes b = a + b + ab, a, b \in \mathbb{Z}$

$x \otimes (5 \oplus x) = 5 \otimes (x \oplus x)$ کا مثبت حل کونسا ہے۔

(1)   4

(2)   6

(3)   5

(4)   7

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

**Question Number : 75 Question Id : 2099632576 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**

Correct Marks : 1 Wrong Marks : 0

Let $x \downarrow y = \frac{x}{y} + \frac{y}{x}$,

$x \uparrow y = x^y + y^x$.

If $5 \downarrow (2 \uparrow (-4)) = \frac{p}{q} + \frac{q}{p}$ $(p < q)$, then $p =$

$$\text{مان لیجیے} \quad x \downarrow y = \frac{x}{y} + \frac{y}{x}$$

$$x \uparrow y = x^y + y^x$$

$$\text{اگر} \quad 5 \downarrow (2 \uparrow (-4)) = \frac{p}{q} + \frac{q}{p} \ (p < q), \quad \text{تب} \quad p =$$

(1) 80

(2) 90

(3) 85

(4) 100

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Mathematical Ability

Section Id :	20996338
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions to be attempted:	75
Section Marks:	75
Maximum Instruction Time :	0

Sub-Section Number:	1
Sub-Section Id:	209963287

Question Number : 76 Question Id : 2099632577 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

$$\frac{\left(\frac{29}{33}\right)^3 + \frac{9}{11} \times \frac{29}{33} \times \frac{38}{33} + \left(\frac{3}{11}\right)^3}{\left(\frac{29}{33} + \frac{3}{11}\right)^2} =$$

(1) $\frac{37}{33}$

(2) $\frac{39}{33}$

(3) $\frac{38}{33}$

(4) $\frac{41}{33}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 77 Question Id : 2099632578 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

If $9^x = 27^y = 81^z$ and $\dfrac{1}{6x} + \dfrac{1}{9y} + \dfrac{1}{12z} = 25$, then $x + y + z =$

$x + y + z =$ تب $\dfrac{1}{6x} + \dfrac{1}{9y} + \dfrac{1}{12z} = 25$ اور $9^x = 27^y = 81^z$ اگر

(1) $\dfrac{11}{300}$

(2) $\dfrac{13}{25}$

(3) $\dfrac{13}{300}$

(4) $\dfrac{17}{230}$

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 78 Question Id : 2099632579 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

If $(a + b) : (a - b) = 3 : 2$, then $\left(\frac{a^4 - b^4}{a^4 + b^4}\right) =$

اگر $(a + b) : (a - b) = 3 : 2$ تب $\left(\frac{a^4 - b^4}{a^4 + b^4}\right) =$

(1) $\frac{313}{312}$

(2) $\frac{62}{63}$

(3) $\frac{63}{62}$

(4) $\frac{312}{313}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 79 Question Id : 2099632580 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

A merchant brings two types of rice costing Rs.50 per kg and Rs.60 per kg. He then mixes two types of rice in some ratio and sells at the rate of Rs.65 per kg and earns a profit of 20%. Then the ratio in which he mixed two types of rice is

ایک تاجر دو قسم کے چاول جن کی قیمت 50 روپئے فی کلو گرام اور 60 روپئے فی کلو گرام ہے لاتا ہے، وہ ان دو قسم کے چاول کو ایک مخصوص نسبت میں ملا کر بحساب فی کلو گرام 65 روپئے فروخت کرتا ہے اور 20% منافع حاصل کرتا ہے۔ تب وہ نسبت جس میں وہ دو قسم کے چاول کو ملایا ہے۔

(1) 6 : 5

(2) 7 : 5

(3) 8 : 5

(4) 9 : 7

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 80 Question Id : 2099632581 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

$$\frac{3+\sqrt{5}}{\sqrt{2}+\sqrt{3+\sqrt{5}}} + \frac{3-\sqrt{5}}{\sqrt{2}-\sqrt{3-\sqrt{5}}} =$$

(1) $\sqrt{2}$

(2) $3\sqrt{2}$

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

(4) $2\sqrt{2}$

Options :

1. ✔ 1

2. ✶ 2

3. ✶ 3

4. ✶ 4

Question Number : 81 Question Id : 2099632582 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability
ریاضی کی قابلیت

$$a = \sqrt{4 + \sqrt{7}}\,, \quad b = \sqrt{4 - \sqrt{7}} \quad \Rightarrow a + b =$$

(1) 14

(2) $\sqrt{14}$

(3) 8

(4) $\sqrt{28}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 82 Question Id : 2099632583 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Which of the following statements is true?

ذیل کا کونسا بیان صادق ہے۔

(1) 14762 is divisible by 4.

(2) 14764 is divisible by 7.

(3) 14769 is divisible by 9.

(4) 15742 is divisible by 11

(1) 14762، 4 سے قابل تقسیم ہے۔

(2) 14764، 7 سے قابل تقسیم ہے۔

(3) 14769، 9 سے قابل تقسیم ہے۔

(4) 15742، 11 سے قابل تقسیم ہے۔

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 83 Question Id : 2099632584 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

When the number $13 \times 14 \times 17 \times 19 \times 25$ is divided by 100, the remainder is

جب عدد $13 \times 14 \times 17 \times 19 \times 25$ کو 100 سے تقسیم کیا جائے، باقی یہ حاصل ہوگا۔

(1) 30

(2) 40

(3) 50

(4) 60

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 84 Question Id : 2099632585 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

1. Arithmetical Ability

ریاضی کی قابلیت

If LCM of 1, 2, 3, … , 60 is N, then LCM of 1, 2, 3, …, 60, 61, 62, 63, 64, 65

(in terms of N) is

اگر 60 , … , 3 ,2 ,1 کا وواضعافِ اقل ترین مشترک عدد(ذ۔ا۔م) N ہو تب

1, 2, 3, …, 60, 61, 62,63, 64, 65 کا ذ۔ا۔م (N کی رقم میں) ہوگا۔

(1)   61N

(2)   63N

(3)   65N

(4)   62N

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 85 Question Id : 2099632586 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Suppose LCM of two numbers a, b is ($a < b$) 40 times HCF of a, b. Then possible number of pairs (a, b) is

مان لیجئے دواعداد a, b (a < b) کا ذـا۔م (LCM) کے ع۔ا۔م (HCF) کا 40 گنا ہے، تب

مرتب جوڑ (a, b) کی ممکنہ تعداد ہوگی۔

(1) 2

(2) 3

(3) 4

(4) 5

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

1. Arithmetical Ability

ریاضی کی قابلیت

$0.2 + 0.23 + 0.234 + 0.2345 = \dfrac{p}{q}$ (in lowest form) $\Rightarrow q - p =$

$q - p =$ اگر (اقل ترین شکل میں) $0.2 + 0.23 + 0.234 + 0.2345 = \dfrac{p}{q}$ ہو تب

(1) 201

(2) 203

(3) 205

(4) 207

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 87 Question Id : 2099632588 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

$$\left(1 - \frac{1}{2}\right)\left(1 - \frac{2}{3}\right)\left(1 - \frac{3}{4}\right)\left(1 - \frac{4}{5}\right)...\left(1 - \frac{2023}{2024}\right) = x \implies \frac{1}{x} =$$

(1) 2024

(2) 2023

(3) (2023)!

(4) (2024)!

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 88 Question Id : 2099632589 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Descending order of the numbers

$\frac{65}{63}, \frac{217}{215}, \frac{9}{7}, \frac{63}{62}, \frac{14}{13}$ is

اعداد $\frac{65}{63}, \frac{217}{215}, \frac{9}{7}, \frac{63}{62}, \frac{14}{13}$ کی نزولی ترتیب ہے۔

(1) $\frac{9}{7}, \frac{65}{63}, \frac{63}{62}, \frac{14}{13}, \frac{217}{215}$

(2) $\frac{9}{7}, \frac{14}{13}, \frac{65}{63}, \frac{63}{62}, \frac{217}{215}$

(3) $\frac{217}{215}, \frac{9}{7}, \frac{14}{13}, \frac{65}{63}, \frac{63}{62}$

(4) $\frac{63}{62}, \frac{9}{7}, \frac{14}{13}, \frac{65}{63}, \frac{217}{215}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 89 Question Id : 2099632590 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Decreasing order of the numbers

$3\sqrt{3} - \sqrt{26}, \sqrt{19} - 3\sqrt{2}, \sqrt{13} - 2\sqrt{3}, \sqrt{17} - 4, 5 - 2\sqrt{6}$ is

اعداد $3\sqrt{3} - \sqrt{26}, \sqrt{19} - 3\sqrt{2}, \sqrt{13} - 2\sqrt{3}, \sqrt{17} - 4, 5 - 2\sqrt{6}$ کی نزولی ترتیب ہے۔

- (1) $\sqrt{17} - 4, 3\sqrt{3} - \sqrt{26}, 5 - 2\sqrt{6}, \sqrt{19} - 3\sqrt{2}, \sqrt{13} - 2\sqrt{3}$
- (2) $\sqrt{19} - 3\sqrt{2}, 3\sqrt{3} - \sqrt{26}, 5 - 2\sqrt{6}, \sqrt{17} - 4, \sqrt{13} - 2\sqrt{3}$
- (3) $5 - 2\sqrt{6}, 3\sqrt{3} - \sqrt{26}, \sqrt{19} - 3\sqrt{2}, \sqrt{17} - 4, \sqrt{13} - 2\sqrt{3}$
- (4) $3\sqrt{3} - \sqrt{26}, 5 - 2\sqrt{6}, \sqrt{19} - 3\sqrt{2}, \sqrt{17} - 4, \sqrt{13} - 2\sqrt{3}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

If $(3a + 2b)$ percent of $3a + 2b + c$ is double the $(3a + c)$ percent of $3a + 2b + c$ then the relation between a, b, c is

اگر $3a + 2b + c$ کا $(3a + 2b)$ فیصد $3a + 2b + c$ کے $(3a + c)$ فیصد کا دُگنا ہو

تب a, b, c میں رشتہ ہے۔

(1) $3a + 2c = 2b$

(2) $a + 3c = 3b$

(3) $a + c = b$

(4) $a + b = 10c$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

A cylinder C and cone D are of same height h and base radius r. If cone D's radius increased by 10% and cylinder C's height is increased by 10%, then the ratio of volumes of C and D is

ایک استوانہ C اور مخروط D جن کی بلندی (h) اور قاعدے کا نصف قطر (r) مساوی ہیں۔ اگر مخروط D کے نصف قطر کو

10% بڑھا دیا جائے اور استوانہ C کی بلندی کو 10% بڑھا دیا جائے تب C اور D کے حجم کی نسبت ہوگی۔

(1) 30 : 23
(2) 28 : 11
(3) 30 : 11
(4) 32 : 11

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

An article's cost price is Rs.900. By allowing a discount of 10%, the shop keeper gets 10% profit. Then what is the marked price of the article (in rupees)?

ایک شئے کی قیمتِ خرید 900 روپے ہے دوکاندار نے اس شئے پر 10% کی کٹوتی (Discount) دے کر 10% کا نفع (Profit) حاصل کیا ہے، تب اس شئے کی اشتہاری قیمت (Marked Price) یہ ہوگی۔ (روپیوں میں)۔

(1) 1090

(2) 1100

(3) 1140

(4) 1150

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 93 Question Id : 2099632594 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

A person A sells a watch to B at a profit of 10%, B then sells it to C at a profit of 10%, C sells it to D with a 10% profit. If D gets it for Rs.6655, then the cost price of the watch (in rupees) is

ایک شخص،ایک گھڑی کو10 فیصد نفع پرB کو فروخت کرتا ہے، پھر B نے اسے 10% منافع پرC کو فروخت کی ہے۔C نے اس کو10% نفع کے ساتھ D کو فروخت کی۔ اگر Dاس کو6655 روپے میں حاصل کی ہو تب گھڑی کی قیمت خرید(روپیوں میں) ہے۔

- (1) 5120
- (2) 4980
- (3) 5000
- (4) 4875

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 94 Question Id : 2099632595 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Three persons P, Q, and R enter into a partnership business with the investments in the ratio 3 : 4 : 5. R withdraws his investment at the end of 3 months. At the same time another person S joins with P and Q with the investment double that of P. If the share of P in year end profit is Rs.146400, then the share of S in the year end profit (in rupees) is

تین افراد P، Q اور R ایک اشتراکی کاروبار میں 3 : 4 : 5 نسبت کی سرمایہ کاری کے ساتھ داخل ہوتے ہیں تین ماہ کے اختتام پر R اپنا سرمایہ واپس لے لیتا ہے۔ اسی وقت ایک دوسرا فرد S، P اور Q کے ساتھ P کے سرمایہ کا دو گنا سرمایہ لگا کر تجارت میں داخل ہوتا ہے۔ اگر سال کے اختتام پر منافع میں P کا حصہ 146400 روپئے ہو تو سال کے اختتام پر منافع میں S کا حصہ ہے (روپیوں میں)۔

(1) 219600

(2) 201800

(3) 221600

(4) 213200

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Three persons P, Q, R started a business with investments in the ratio $3 : 2 : 5$. After 6 months P and Q withdraw half of their investments. If the profit at the end of the year is Rs.700000, then P's share of profit (in rupees) is.

تین افراد P،Q اور R ایک تجارت 5 : 2 : 3 کی نسبت کے سرمائے سے شروع کرتے ہیں، چھ ماہ بعد P اور Q اپنا آدھا سرمایہ واپس لے لیتے ہیں۔ اگر سال کے اختتام پر نفع 700000 روپئے ہو تب منافع میں P کا حصّہ (روپیوں میں) ہے۔

- (1) 136000
- (2) 120000
- (3) 180000
- (4) 240000

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 96 Question Id : 2099632597 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Two pipes A and B can fill a tank in 42 and 56 minutes respectively. If both the pipes are used together, how long will it take to fill the tank (in minutes)?

دو پائیپ A اور B ایک ٹینک کو بالترتیب 42 منٹ اور 56 منٹ میں پُر کر سکتے ہیں۔ اگر دونوں پائیپ ایک ساتھ کھول دیئے جائیں تب ٹینک کو پُر ہونے کے لئے کتنا وقت درکار ہو گا۔

- (1) 24
- (2) 44
- (3) 28
- (4) 32

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 97 Question Id : 2099632598 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Two pipes individually A and B fill an empty tank in x, y hours respectively. If $x: y = 3: 2$ and B alone can fill the empty tank in 12 hours, then the time taken to fill the tank, when both pipes are opened is

دو پائپ A اور B تنہا طور پر ایک خالی ٹینک کو بالترتیب x ، y گھنٹوں میں پُر کر سکتے ہیں، اگر $x : y = 3 : 2$ اور B تنہا، خالی ٹینک کو 12 گھنٹوں میں پُر کر سکتا ہے۔ اگر دو پائپ ایک ساتھ کھول دیئے گئے ہوں تو ٹینک کو پُر ہونے میں کتنا وقت در کار ہو گا۔

(1) 7 hours 12 min

7 گھنٹے 12 منٹ

(2) 7 hours 18 min

7 گھنٹے 18 منٹ

(3) 7 hours

7 گھنٹے

(4) 8 hours

8 گھنٹے

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 98 Question Id : 2099632599 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Ravi goes from a city A to another city B at a speed of 50 kmph and returns back at a speed of 70 kmph. If he takes 21 hours in the journey, then the distance from A to B is (in km)

روی 50 کلومیٹر فی گھنٹے کی رفتار سے ایک شہر A سے دوسرے شہر B کو جاتا ہے اور 70 کلومیٹر فی گھنٹے کی رفتار سے واپس لوٹتا ہے اگر اس سفر کے لیے اسے 21 گھنٹے درکار ہوں تو A سے B کا فاصلہ (کلومیٹر میں) ہے۔

(1) 725.5

(2) 640

(3) 710

(4) 612.5

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 99 Question Id : 2099632600 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

The speeds of two cars A and B are in the ratio $5 : 6$. If A takes 30 minutes more than B to reach destination, in what time does A reach the destination? (in hours)

دو کاریں A اور B کی رفتار میں 6 : 5 کی نسبت ہے، اگر A منزل تک پہنچنے کے لیے B سے 30 منٹ زیادہ وقت لیتی ہے تب A کو منزل تک پہنچنے میں کتنا وقت لگے گا۔ (گھنٹوں میں)

(1) 2

(2) $2\dfrac{1}{2}$

(3) 3

(4) $3\dfrac{1}{2}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 100 Question Id : 2099632601 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

1. Arithmetical Ability

ریاضی کی قابلیت

Three persons A, B, C can do a piece of work individually in 20, 30 and 24 days respectively. All the three start working together but C leaves the work after 4 days. In how many days the remaining work was completed by A, B?

تین افراد A ، B اور C انفرادی طور پر ایک کام کو بالترتیب 20، 30 اور 24 دن میں مکمل کر سکتے ہیں، تمام تینوں نے ایک ساتھ مل کر کام شروع کیا لیکن چار دن بعد C نے کام چھوڑ دیا۔ بقیہ کام A اور B نے مل کر کتنے دنوں میں تکمیل کیا۔

(1) 6

(2) 7

(3) 8

(4) 9

Options :

1. ✔ 1

2. ✻ 2

3. ✻ 3

4. ✻ 4

Question Number : 101 Question Id : 2099632602 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

1. Arithmetical Ability

ریاضی کی قابلیت

The ratios of times to complete a piece of work by A and B is $1 : 2$, B and C is $3 : 2$. If A, B and C together complete the work in 260 minutes, in how many hours B alone can complete the work ?

ایک کام کو A اور B کے تکمیل کرنے کی وقت کی نسبت 2 : 1 ہے۔ B اور C کے وقت کی نسبت 2 : 3 ہے۔ اگر A، B اور C ایک ساتھ مل کر کام کو 260 منٹ میں تکمیل کرتے ہوں۔ تب B تنہا کتنے گھنٹوں میں کام کو تکمیل کر سکتا ہے۔

(1) 1

(2) 4

(3) 3

(4) 2

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 102 Question Id : 2099632603 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

1. Arithmetical Ability

ریاضی کی قابلیت

Consider the right angled isosceles triangle ΔABC, with right angle at B. Let E, F be points of trisection on BC. Then AC : AF : AE =

مان لیجئے کہ ΔABC قائم الزاویہ مساوی ساقین مثلث ہے۔B پر قائم الزاویہ ہے۔مان لیجئے کہ BC ،F،E کے نقاط

تثلیث (Trisection) ہیں تب AC : AF : AE =

(1) $3\sqrt{2} : \sqrt{3} : \sqrt{10}$

(2) $2\sqrt{2} : \sqrt{14} : \sqrt{10}$

(3) $3\sqrt{2} : \sqrt{13} : \sqrt{10}$

(4) $3\sqrt{2} : 2\sqrt{13} : \sqrt{10}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 103 Question Id : 2099632604 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

Let R be a rectangle with length x cm and breadth y cm. If x and y are both increased by 1 unit each, the area of this new rectangle becomes 403 sq.units. Then the area of R is (in sq. units)

مان لیجیے کہ R ایک مستطیل ہے جس کا طول x سمر اور عرض y سمرہے اگر دونوں x اور y ہر ایک میں اکائی کا اضافہ ہوتب

نئے مستطیل کا رقبہ 403 مربع اکائیاں ہو جاتا ہے تب مستطیل R کا رقبہ (مربع اکائیوں میں) ہے۔

   (1)   360

   (2)   370

   (3)   240

   (4)   250

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 104 Question Id : 2099632605 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

The ratio of lateral surface areas of two right circular cylinders is 10 : 9 and the ratio of their heights is 8 : 3. Then the ratio of their volumes is

دو قائم مدوری استوانوں کے طرفی (منحنی) سطحوں کے رقبوں کی نسبت 9 : 10 ہے اور ان کی بلندیوں کی نسبت 3 : 8 ہے

تب ان کے حجم کی نسبت ہو گی۔

(1)   54 : 25

(2)   25 : 54

(3)   24 : 55

(4)   55 : 24

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 105 Question Id : 2099632606 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

1. Arithmetical Ability

ریاضی کی قابلیت

C is a hollow cuboid of dimensions $90cm \times 120cm \times 150\ cm$. C is to be painted on all its surfaces. If the total cost of painting is Rs.846, then the cost (in rupees) of painting per sq. meter is

C ایک کھلا مکعب نما ہے جس کے ابعاد $150\ cm \times 120cm \times 90cm$ ہیں۔ C کی تمام سطحوں کو رنگ کرنا ہے اگر رنگ کرنے کا جملہ خرچ 846 روپے ہو تب فی مربع میٹر رنگ کرنے کا خرچ (روپیوں میں) ہے۔

(1) 80

(2) 100

(3) 120

(4) 140

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 106 Question Id : 2099632607 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

1. Arithmetical Ability

ریاضی کی قابلیت

There is a circular field of diameter 91m protected by fencing around the field. A walk way of width 3.5 m inside and along the boundary has been created. The total cost incurred in getting this work done is Rs.144375. Then the cost per sq. meter (in rupees) is

ایک 91 میٹر قطر والے دائری میدان کواطراف باڑ لگا کر محفوظ کیا گیا ہے۔ میدان کے اندر باؤنڈری کے ساتھ 3.5 میٹر چوڑا پیدل راستہ بنایا گیا ہے۔اس کام کی تکمیل کے لیے جملہ 144375 روپے خرچ کیے گئے ہوں تب فی مربع میٹر خرچ(روپیوں میں) ہوگا۔

(1) 150

(2) 130

(3) 140

(4) 145

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 107 Question Id : 2099632608 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

There is a rectangular field. The total cost of fencing around the rectangular field is Rs.12000. If the length is 20m more than its breadth and if the cost of fencing per meter is Rs.125, then the length (in meters) of the field is

ایک مستطیلی میدان کے اطراف باڑ لگانے کا جملہ خرچ 12000 روپۓ ہے۔ اگر طول، عرض سے 20 میٹر زیادہ اور اگر باڑ لگانے کا خرچ 125 روپۓ فی میٹر ہو تب میدان کا طول (میٹر میں) ہوگا۔

(1) 32

(2) 34

(3) 36

(4) 38

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 108 Question Id : 2099632609 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

1. Arithmetical Ability

ریاضی کی قابلیت

The length and breadth of a rectangular play ground are 39m and 30m respectively. Poles are required to be fixed along the boundary at a distance 3m apart. Then the number of poles required is

ایک مستطیلی کھیل کے میدان کے طول اور عرض بالترتیب 39 میٹر اور 30 میٹر ہیں۔ میدان کے اطراف ہر تین میٹر کے فاصلے پر کھمبا نصب کرنے کے لئے درکار کھمبوں کی تعداد ہوگی۔

(1) 38

(2) 36

(3) 42

(4) 46

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 109 Question Id : 2099632610 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

1. Arithmetical Ability

ریاضی کی قابلیت

The least positive value of k such that 19 divides $50^{19} - k$ is

K کی اقل ترین مثبت قدر اس طرح کہ k – 50^{19} ، 19 سے قابل تقسیم ہو۔

(1) 11

(2) 17

(3) 12

(4) 18

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 110 Question Id : 2099632611 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None Correct Marks : 1 Wrong Marks : 0

The smallest four digit positive integer that satisfies $12x \equiv 5(mod\ 13)$ is

اقل ترین چار ہندسی مثبت صحیح عدد جو $12x \equiv 5(mod\ 13)$ کو مطمئن کرے۔

(1) 1303

(2) 1009

(3) 2603

(4) 1008

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 111 Question Id : 2099632612 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If $A = \{ x : 0 < x < 50, x$ is a natural number $\}$ and

$B = \{ x : x = 5n, n = 1, 2, 3, 4, ... \}$ then $n(A \cap B) =$

اور $A = \left\{ x : 0 < x < 50, \text{ اگر } x \text{ ایک طبعی عدد ہے} \right\}$

$n(A \cap B) = \quad$ تب $B = \{ x : x = 5n, n = 1, 2, 3, 4, ... \}$

(1) 10

(2) 9

(3) 0

(4) 11

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 112 Question Id : 2099632613 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

$$A = \{x \in R : |x - 4| < 4\}, \quad B = \{x \in R : |x - 5| < 2\} \Rightarrow A \cup B =$$

(1) A

(2) B

(3) $A \cap B$

(4) ϕ

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 113 Question Id : 2099632614 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If $(x^2 - 1)$ is a factor of the polynomial $4x^4 - 7x^3 + ax^2 + bx + 5$, then $a^2 + b =$

$a^2 + b =$ اگر $(x^2 - 1)$ کثیر رکنی $4x^4 - 7x^3 + ax^2 + bx + 5$ کا جزوضربی ہو تب

(1) 74

(2) 88

(3) 92

(4) 130

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 114 Question Id : 2099632615 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If a root of the equation $x^2 - 15x + m = 0$ exceeds the other by 3, then $m =$

$m =$ مساوات $x^2 - 15x + m = 0$ کا ایک ریشہ، دوسرے سے 3 زیادہ ہے تب

- (1) 70
- (2) 18
- (3) 40
- (4) 54

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

Let $p(x) = x^3 + ax^2 + bx + 1$ and if $x^2 - 1$ is a factor of $p(x)$, then $2a - 3b =$

مان لیجۓ $p(x) = x^3 + ax^2 + bx + 1$ اوراگر $x^2 - 1$، $p(x)$ کا جزوضربی ہو تب

$$2a - 3b =$$

(1) 1

(2) 2

(3) 3

(4) 4

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 116 Question Id : 2099632617 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability
الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

The remainder when $5x^3 + 2x^2 - 3x + 4$ is divided by $x - 1$ is

$4 + 3x - 2x^2 + 5x^3$ کو $x - 1$ سے تقسیم کرنے پر باقی حاصل ہوگا۔

(1) 0

(2) 9

(3) 8

(4) 5

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 117 Question Id : 2099632618 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If the common solution of the equations $3x + 2xy + 2y = 0$ and $x - xy + 4y = 0$ is (x_0, y_0), then $x_0^3 + y_0^3 =$

اگر مساوات $3x + 2xy + 2y = 0$ اور $x - xy + 4y = 0$ کا مشترکہ حل (x_0, y_0) ہو تب

$$x_0^3 + y_0^3 =$$

(1) 13

(2) 25

(3) 7

(4) 8

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 118 Question Id : 2099632619 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

$x = \sqrt{12 + \sqrt{143}}, y = \sqrt{12 - \sqrt{143}} \implies (x+1)(y+1) =$

(1) $\sqrt{26} - 2$

(2) $\sqrt{26} - 4$

(3) $2 + \sqrt{26}$

(4) $4 + \sqrt{26}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability
الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

$$\sqrt{x^4 - 2x^3 + 3x^2 - 2x + 1} =$$

(1) $x^2 - x - 1$

(2) $x^2 + x - 1$

(3) $x^2 - x + 1$

(4) $-x^2 + x + 2$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If $a + 1, 3a - 4$ and $6a - 13$ are in arithmetic progression, then $4a + 6 =$

اگر $4a - 3$, $a + 1$ اور $6a - 13$ حسابی تصاعد میں ہوں تب $4a + 6 =$

(1) 16

(2) 10

(3) 22

(4) 30

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

**Question Number : 121 Question Id : 2099632622 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**

Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If the arithmetic mean and geometric mean of the positive numbers a and b are 10 and 8 respectively, then $\dfrac{a+b}{(a-b)^2} =$

$\dfrac{a+b}{(a-b)^2} =$ اگر مثبت اعداد a اور b کا حسابی اوسط اور جیومتریہ اوسط بالترتیب 10 اور 8 ہوں تب

(1) $\dfrac{1}{9}$

(2) $\dfrac{1}{12}$

(3) $\dfrac{5}{36}$

(4) $\dfrac{1}{144}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 122 Question Id : 2099632623 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

$$\sin(1485^0) + \tan(1485^0) =$$

(1) $-1 - \dfrac{1}{\sqrt{2}}$

(2) $\dfrac{-1}{\sqrt{2}} + 1$

(3) $\dfrac{1}{\sqrt{2}} - 1$

(4) $\dfrac{1}{\sqrt{2}} + 1$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 123 Question Id : 2099632624 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

$$\sin x + \operatorname{cosec} x = 2 \implies \sin^{2024} x + \operatorname{cosec}^{2024} x =$$

(1) 1

(2) 3

(3) 2

(4) 0

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 124 Question Id : 2099632625 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

$$\frac{Sin\,A + Cos\,A}{Sin\,A - Cos\,A} + \frac{Sin\,A - Cos\,A}{Sin\,A + Cos\,A} = \frac{k}{Sin^2 A - Cos^2 A} \implies k =$$

(1) 1

(2) 2

(3) 3

(4) 4

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 125 Question Id : 2099632626 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If θ is an acute angle and

$\tan\theta = \cot\theta$, then $\dfrac{\cot(\theta+15)^0}{\cot(\theta-15)^0} =$

$\dfrac{\cot(\theta+15)^0}{\cot(\theta-15)^0} =$ تب $\tan\theta = \cot\theta$ اور اگر θ ایک حادہ زاویہ ہو

(1) $\dfrac{1}{3}$

(2) 3

(3) 2

(4) -3

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 126 Question Id : 2099632627 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
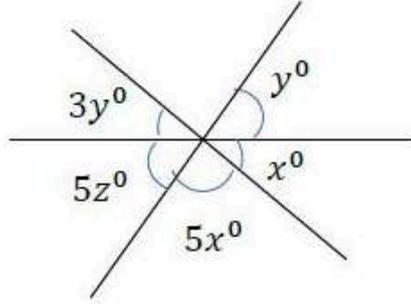**Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

2. Algebraic and Geometrical Ability
الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

Two persons P, Q on either side of the tower on the line passing through the feet of the tower observed that the angles of elevation of the top of the tower are 30^0, 60^0 respectively. If the distance between P and the feet of the tower is 30 meters, then the distance between the feet of the tower and Q is (in meters)

دو افراد P اور Q ایک مینار کے دونوں جانب مینار کے قدم سے گزرنے والے خط پر سے مینار کے بالائی حصہ کا زاویہ فراز بالترتیب

30^0 اور 60^0 مشاہدہ کرتے ہیں۔ اگر P اور مینار کے قدم کے درمیان فاصلہ 30 میٹر ہو تب مینار کے قدم اور Q کا درمیانی فاصلہ

(میٹر میں) ہے۔

- (1) $10\sqrt{3}$
- (2) 10
- (3) $\frac{10}{\sqrt{3}}$
- (4) $30\sqrt{3}$

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

In the figure, the value of y is

شکل میں y کی قدر ہے۔

(1) 10

(2) $\dfrac{180}{19}$

(3) $\dfrac{190}{18}$

(4) 12

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 128 Question Id : 2099632629 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If $(90 - x)^0$, $2x^0$ and x^0 are the angles of a triangle, then the value of x is

اگر $2x^0$, $(90 - x)^0$ اور x^0 ایک مثلث کے زاویئے ہوں تب x کی قدر ہوگی۔

- (1) 25
- (2) 35
- (3) 55
- (4) 45

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 129 Question Id : 2099632630 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability
الجبراء اور علم ہندسہ (جیومیٹری) کی قابلیت

Let S be a circle with centre O and A, B be two points on S. If the area of the sector OAB is 462 sq.cm and the sectorial angle AOB is 30^0, then the length of the arc AB (in cm) (Take $\pi = \frac{22}{7}$) is

مان لیجیے کہ S ایک دائرہ ہے جس کا مرکز O اور A، B دائرے پر کوئی دو نقاط ہیں۔ اگر قطاع OAB کا رقبہ 462 مربع سمر اور قطاع کا زاویہ 30^0 ہو تب قوس AB کی لمبائی (سم میں) ہوگی۔ ($\pi = \frac{22}{7}$ لیجیے)

(1) 20

(2) 21

(3) 22

(4) 23

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 130 Question Id : 2099632631 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

ABCD is a parallelogram. *E* is the mid point of the diagonal *DB*. If $DQ = 10\ cm$ and $DB = 16\ cm.$, then *PQ* (in cm) is

ABCD ایک متوازی الاضلاع ہے۔ E وتر DB کا وسطی نقطہ ہے۔اگر DQ = 10cm اور DB = 16cm

ہو تب PQ (سم میں) ہے۔

(1) 6

(2) 10

(3) 8

(4) 12

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 131 Question Id : 2099632632 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
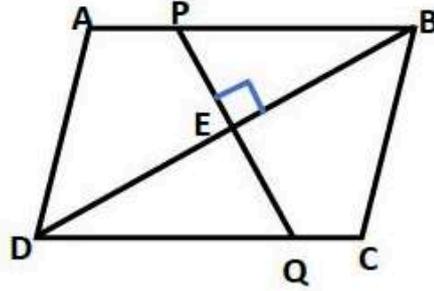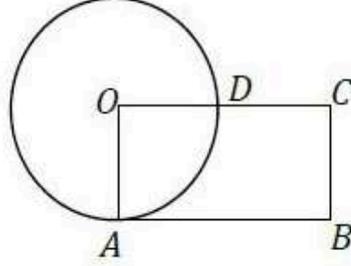Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

In the following figure, if AB = 2BC, then the ratio of area of ABCD to the area of the circle is

ذیل کی تصویر میں اگر AB = 2BC ہوتب ABCD کے رقبہ کی دائرے کے رقبہ سے نسبت ہے۔

(1) 42 : 17

(2) 41 : 17

(3) 17 : 44

(4) 17 : 42

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 132 Question Id : 2099632633 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability
الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

In the triangle ABC, given that $\angle A = a^0 + 2b^0$, $\angle B = 70^0 + 3b^0$ and $\angle C = 60^0 - a^0$, then b =

مثلث ABC میں دیا گیا ہے کہ $\angle A = a^0 + 2b^0$، $\angle B = 70^0 + 3b^0$ اور $\angle C = 60^0 - a^0$ تب $\angle C = 60^0 - a^0$ تب b =

- (1) 10
- (2) 12
- (3) 14
- (4) 16

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 133 Question Id : 2099632634 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

The slope of the line $\sqrt{3}\,(x+y) + 2(y-x) + 4 = 0$ is

خط $\sqrt{3}\,(x+y) + 2(y-x) + 4 = 0$ کا ڈھال (Slope) ہے۔

(1) $7 - 4\sqrt{3}$

(2) $2 - \sqrt{3}$

(3) $7 + 4\sqrt{3}$

(4) $2 + \sqrt{3}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 134 Question Id : 2099632635 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

The equation of the straight line passing through the intersecting point of the lines $x + y - 1 = 0$, $2x + y - 6 = 0$ and parallel to $4x + 9y + 3 = 0$ is

خط مستقیم کی مساوات جو خطوط $x + y - 1 = 0$، $2x + y - 6 = 0$ کے نقطہ تقاطع سے گذرتی ہے اور

خط $4x + 9y + 3 = 0$ کو متوازی ہے۔

(1) $8x + 18y - 17 = 0$

(2) $4x + 9y - 16 = 0$

(3) $4x + 9y + 16 = 0$

(4) $8x + 18y + 17 = 0$

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 135 Question Id : 2099632636 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability
الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If the point $P(3, 1)$ divides the line segment joining $A(4, 0)$ and $B(x, y)$ internally in the ratio $1 : 3$, then $x + y =$

اگر نقطہ $P(3, 1)$ نقاط $A(4, 0)$ اور $B(x, y)$ کو ملانے والے خطی قطعہ کو داخلی طور پر $3 : 1$ کی نسبت میں قطع کرتا ہے تب $x + y =$

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

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 136 Question Id : 2099632637 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

A line L is parallel to $y = x$ and passing through (2, 5). Then what is the distance from L to $y = x$?

ایک خط L متوازی ہے $y = x$ کے اور نقطہ (2,5) سے گزرتا ہے، تب L سے $y = x$ کا فاصلہ کیا ہے؟

(1) $5\sqrt{2}$

(2) 4

(3) 5

(4) $\frac{5}{\sqrt{2}}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 137 Question Id : 2099632638 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

The equation of a line passing through the origin and perpendicular to the line joining the points (2, 3) and (0, 0) is

خط کی مساوات جو مبداءسے گذرتی ہے اور نقاط (2,3) اور (0,0) کو ملانے والے خط کے عموداً واقع ہے۔

(1) $2x - 3y = 0$

(2) $3x - 2y = 0$

(3) $2x + 3y = 0$

(4) $3x + 2y = 0$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 138 Question Id : 2099632639 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

Slope - intercept form of the line passing through the Point $(-2,3)$ with slope 2 is

خط کی ڈھال-مقطوعہ والی مساوات جو نقطہ $(-2, 3)$ سے گزرتا ہے اور جس کا ڈھال 2 ہے۔

(1) $y = 2x + 6$

(2) $y = 2x + 5$

(3) $y = 2x + 7$

(4) $y + 2x = 7$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 139 Question Id : 2099632640 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

If a and b are X and Y-intercepts of the line $2x + 3y = 10$ respectively, then $9(a^2 + b^2) =$

اگرخط $2x + 3y = 10$ کے X اور Y مقطوعے بالترتیب a اور b ہوں تب $9(a^2 + b^2) =$

- (1) 325
- (2) 25
- (3) 105
- (4) 41

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 140 Question Id : 2099632641 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

2. Algebraic and Geometrical Ability

الجبراء اور علم ہندسہ (جیومٹری) کی قابلیت

The lines $ax + (1 - a)y - 1 = 0$ always pass through the point

خط $ax + (1 - a)y - 1 = 0$ ہمیشہ اس نقطہ سے گذرتا ہے۔

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

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

3. Statistical Ability
شماریات کی قابلیت

If the mean of $x, x-97, 6, 9, x-88, x-84$ is 25, then $2x =$

$$2x = \quad \text{اگر } x, x-97, 6, 9, x-88, x-84 \text{ کا اوسط } 25 \text{ ہوتب}$$

- (1) 202
- (2) 101
- (3) 350
- (4) 200

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

3. Statistical Ability

شماریات کی قابلیت

If the average of three numbers is 17 and the sum of two of the three numbers is 32, then the third number is

اگر تین اعداد کا اوسط 17 ہو اور تین میں سے دو اعداد کا مجموعہ 32 ہو تب تیسرا عدد ہے۔

(1) 24

(2) 21

(3) 17

(4) 19

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 143 Question Id : 2099632644 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

3. Statistical Ability

شماریات کی قابلیت

If the mean of the observations 20, 21, 32, 16 and x and the mean of the observations 30, 25, 26, 14, 17 are equal, then $x =$

اگر مشاہدات 16، 20،21،32 اور x کا اوسط اور مشاہدات 30،25،26،14،17 کا اوسط مساوی ہو تب

$$x =$$

(1) 21

(2) 22

(3) 24

(4) 23

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 144 Question Id : 2099632645 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

3. Statistical Ability

شماریات کی قابلیت

The median of 8 observations is 47. Another four observations 52, 43, 13, 56 were added to the data. Then the median of 12 observations is

8 مشاہدات کا وسطانیہ 47 ہے۔ معطیات میں مزید چار مشاہدات 52, 43, 13, 56 شامل کئے گئے ہوں تب 12

مشاہدات کا وسطانیہ ہے۔

(1) 45

(2) 47

(3) 30

(4) 52

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 145 Question Id : 2099632646 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

3. Statistical Ability

شماریات کی قابلیت

The median of the following data is

ذیل کے معطیات کا وسطانیہ ہے۔

Marks نشانات	10-25	25-40	40-55	55-70	70-85	85-100
Frequency تعدد	6	20	44	26	3	1

(1) 47.52

(2) 50.23

(3) 49.28

(4) 48.18

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 146 Question Id : 2099632647 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

3. Statistical Ability

شماریات کی قابلیت

The mode of the data 7, 5, 13, 7, 6, 5, 13, 4, 13, 7, x is 13, then $x =$

$x =$ تب ہے 13 کابہتاتیہ 7, 5, 13, 7, 6, 5, 13, 4, 13, 7, x معطیات

(1) 6

(2) 5

(3) 7

(4) 13

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

3. Statistical Ability

شماریات کی قابلیت

The mode of the following frequency distribution is

ذیل کی تعددی تقسیم کا بہتا تیہ ہے۔

x_i	10	15	20	25	30
f_i	5	3	2	6	4

(1) 10

(2) 25

(3) 30

(4) 20

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 148 Question Id : 2099632649 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY   ریاضی کی قابلیت

3. Statistical Ability

شماریات کی قابلیت

Two unbiased dice, whose faces are numbered from 1 to 6, are thrown simultaneously. What is the probability that the difference of numbers that appear on top faces is 2?

دو پانسے جن کے رخوں پر 1 تا 6 اعداد لکھے ہوں ایک ساتھ ڈالے گئے ہیں۔ان کے اوپری رخوں پر ظاہر ہونے والے اعداد کا

فرق 2 ہونے کا قیاس کیا ہے۔

(1) $\dfrac{1}{10}$

(2) $\dfrac{1}{5}$

(3) $\dfrac{2}{9}$

(4) $\dfrac{1}{3}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 149 Question Id : 2099632650 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION – B : MATHEMATICAL ABILITY ریاضی کی قابلیت

3. Statistical Ability

شماریات کی قابلیت

A number is selected at random from 100 natural numbers 1, 2, 3, 4, …, 100.

Then the probability that a randomly selected number is not a perfect square is

100 طبعی اعداد 1, 2, 3, 4, …, 100 میں سے بلا منصوبہ ایک عدد منتخب کیا گیا۔ تب بلا منصوبہ منتخب کیا گیا عدد ایک کامل مربع نہ ہونے کا امکان ہے۔

(1) $\frac{9}{10}$

(2) $\frac{7}{15}$

(3) $\frac{3}{10}$

(4) $\frac{1}{2}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 150 Question Id : 2099632651 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

3. Statistical Ability

شماریات کی قابلیت

The probability that a randomly selected number from 2, 3, 4, 5, …., 100, 101 is not a prime is

2, 3, 4, 5, ..., 100, 101 سے بلا منصوبہ منتخب کیا گیا عدد مفرد نہ ہونے کاامکان ہے۔

  (1) 0.75

  (2) 0.73

  (3) 0.74

  (4) 0.76

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Communication Ability

Section Id :	20996339
Section Number :	3
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions to be attempted:	38
Section Marks:	50
Maximum Instruction Time :	0

Sub-Section Number:	1
Sub-Section Id:	209963290
Question Shuffling Allowed :	Yes

Question Number : 151 Question Id : 2099632652 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Meanings

A pedestrian is one who _____ .

(1) drives a motorcycle

(2) sits in a car

(3) walks on foot

(4) travels by train

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 152 Question Id : 2099632653 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Meanings

All the players were in good form. So, it was a facile win for them.

(1) hard

(2) honest

(3) easy

(4) grand

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 153 Question Id : 2099632654 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Meanings

Paradigm means_____ .

(1) model

(2) scenery

(3) sensor

(4) perception

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 154 Question Id : 2099632655 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Meanings

He was quite <u>judicious</u>. He distributed the property among his children _____ .

(1) justly

(2) lethargic

(3) hasty

(4) unjust

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

SECTION - C : COMMUNICATION ABILITY – Meanings

The media appreciated his _____ efforts after he won the national award for his acting skills.

(1) inconsistent

(2) random

(3) unsteady

(4) determined

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	2
Sub-Section Id:	209963291
Question Shuffling Allowed :	Yes

SECTION - C : COMMUNICATION ABILITY – Synonyms and Antonyms

The antonym of hassle-free

(1) easy

(2) trouble-free

(3) complicated

(4) smooth

Options :

1. ✔ 1

2. ✻ 2

3. ✻ 3

4. ✻ 4

Question Number : 157 Question Id : 2099632658 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Synonyms and Antonyms

Synonym of 'assay'

(1) analyze

(2) say

(3) save

(4) believe

Options :

1. ✔ 1

2. ✻ 2

3. ✻ 3

4. ✻ 4

Question Number : 158 Question Id : 2099632659 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Synonyms and Antonyms

Antonym of 'malevolence'.

    (1)   cruelty

    (2)   ambivalence

    (3)   benevolence

    (4)   honesty

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 159 Question Id : 2099632660 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Synonyms and Antonyms

The synonym of <u>solace</u>

    (1)   consolation

    (2)   distress

    (3)   trouble

    (4)   anguish

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✶ 4

Question Number : 160 Question Id : 2099632661 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Synonyms and Antonyms

The antonym of 'mediocre'

(1)   moderate

(2)   mundane

(3)   matchless

(4)   medium

Options :

1. ✔ 1

2. ✶ 2

3. ✶ 3

4. ✶ 4

Sub-Section Number:	3
Sub-Section Id:	209963292
Question Shuffling Allowed :	Yes

Question Number : 161 Question Id : 2099632662 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Verb (Tense & Voice)

I _____ the lecture yesterday.

(1)   have attended

(2)   was attended

(3)   attended

(4)   am attending

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

**Question Number : 162 Question Id : 2099632663 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Verb (Tense & Voice)

Ramu _____ constructing the building since 2020.

(1) have been

(2) has been

(3) was

(4) should be

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

**Question Number : 163 Question Id : 2099632664 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Verb (Tense & Voice)

She _____ dinner last evening.

(1) cooked

(2) will cook

(3) is cooking

(4) will be cooking

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 164 Question Id : 2099632665 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Verb (Tense & Voice)

Give away these prizes to the winners. (Change the Voice)

(1) These prizes may be given away to the winners.

(2) Winners may be given away these prizes.

(3) These prizes are given away to the winners.

(4) Let these prizes be given away to the winners.

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 165 Question Id : 2099632666 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Verb (Tense & Voice)

They _____ delighted to meet their friend yesterday.

(1) were

(2) are

(3) have been

(4) was

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 166 Question Id : 2099632667 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Phrasal Verbs and Idioms

I promise to stop smoking. I am <u>turning over a new leaf</u> this year.

The underlined idiom means.

   (1)   I am making a new start by stopping smoking.

   (2)   I am turning the leaves of a book to stop smoking.

   (3)   I am turning the leaves of this tree to stop smoking.

   (4)   I stopped smoking last year itself and turning a new life this year.

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 167 Question Id : 2099632668 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Phrasal Verbs and Idioms

The mango garden was <u>a bone of contention</u> among the brothers.
   (Find out the meaning of the underlined idiom)

   (1)   a subject of disagreement

   (2)   a subject of understanding

   (3)   a point of disorder

   (4)   an issue of agriculture

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✗ 4

**Question Number : 168 Question Id : 2099632669 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Phrasal Verbs and Idioms

He succeeded in the UPSC examination in his <u>maiden attempt</u>.
(Find out the meaning of the underlined idiom)

    (1)   unmarried

    (2)   repeated

    (3)   last attempt

    (4)   first attempt

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

**Question Number : 169 Question Id : 2099632670 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Phrasal Verbs and Idioms

His health <u>broke down</u> under the pressure of work.

The underlined phrase means

    (1)   improved

    (2)   collapsed

    (3)   broke into pieces

    (4)   met with an accident

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 170 Question Id : 2099632671 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Phrasal Verbs and Idioms

The severe snow storm blocked the highway and _____ the city.

    (1)   cut off

    (2)   cut into

    (3)   cut in

    (4)   cut up

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✗ 4

Question Number : 171 Question Id : 2099632672 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Articles and Propositions

This is _____ best book I have ever read.

(1) a

(2) the

(3) an

(4) that

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 172 Question Id : 2099632673 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Articles and Propositions

He died _____ Corona.

    (1) of

    (2) by

    (3) with

    (4) at

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

**Question Number : 173 Question Id : 2099632674 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None**
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Articles and Propositions

I could trace _____ dictionary which I lost yesterday.

    (1) a

    (2) the

    (3) an

    (4) any

Options :

1. ✔ 1

2. ✖ 2

3. ✷ 3

4. ✷ 4

Question Number : 174 Question Id : 2099632675 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Articles and Propositions

He always boasts _____ his past glory.

    (1) upon

    (2) on

    (3) of

    (4) in

Options :

1. ✔ 1

2. ✷ 2

3. ✷ 3

4. ✷ 4

Question Number : 175 Question Id : 2099632676 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Articles and Propositions

The archaeologists found a tunnel _____ the floor.

    (1) above

    (2) beneath

    (3) on

    (4) over

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 176 Question Id : 2099632677 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Computer Terminology

A sequence of instructions used to perform a task in software.

(1) Attenuation

(2) Agile

(3) Assembly Language

(4) Algorithm

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 177 Question Id : 2099632678 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Computer Terminology

Bus is

(1) a circuit that provides a communication path between two or more devices of a digital computer system.

(2) a vehicle

(3) an instrument used to calculate numbers

(4) a loud cry

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 178 Question Id : 2099632679 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Computer Terminology

CMOS stands for

(1) Cosmos Mind Over Soul.

(2) Computer Modelled On Supplement.

(3) Central Metal Oxide Saccharine.

(4) Complementary Metal Oxide Semiconductor.

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 179 Question Id : 2099632680 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

A set of actions aimed to infiltrate computer networks, systems and personal devices.

    (1) Cyber Security

    (2) Cyber Attack

    (3) Cyber Security Analyst

    (4) Dark Web

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 180 Question Id : 2099632681 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Computer Terminology

Monitor and keyboard are examples of_____ .

    (1)   firmware

    (2)   peripherals

    (3)   motherboard

    (4)   operating system

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✗ 4

Sub-Section Number:	7
Sub-Section Id:	209963296
Question Shuffling Allowed :	Yes

Question Number : 181 Question Id : 2099632682 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Business Terminology

A sequence of activities that must be performed from initiation to completion of a task.

(1) Workflow

(2) Workforce

(3) Business Travel

(4) Post-production

Options :

1. ✔ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 182 Question Id : 2099632683 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

An increase in general level of prices caused by excess demand.

    (1) Commercial

    (2) Income flow

    (3) Infringement

    (4) Inflation

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 183 Question Id : 2099632684 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Business Terminology

LVR stands for

    (1) Loan-to-Value Ratio

    (2) Loan-for-Venture Ratio

    (3) Loan-to-Variable Ratio

    (4) Loan-to-Viable Ratio

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✳ 4

Question Number : 184 Question Id : 2099632685 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Business Terminology

A business model that facilitates purchase or sales of products and services online.

(1)   Marketing

(2)   Advertising

(3)   E-commerce

(4)   Business Technique

Options :

1. ✔ 1

2. ✳ 2

3. ✳ 3

4. ✳ 4

Question Number : 185 Question Id : 2099632686 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Business Terminology

_____ includes the activities of innovation and introduction of new products.

(1)   Research and Development

(2)   Risk Management

(3)   Human Resource

(4)   Business Analytics

Options :

1. ✔ 1

2. ✳ 2

3. ✳ 3

4. ✳ 4

Question Id : 2099632687 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Question Numbers : (186 to 190)

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-1

What is freedom? It is a difficult question to answer categorically. Does it mean absolute liberty to do as one pleases? Complete non-restraint to pursue any fancy that strikes one? Is such a free existence possible at all for a human being? Freedom is, indeed, a nebulous concept, laying itself open to several interpretations, even conflicting ones.

There are champions of freedom who vehemently oppose any form of social control. Thoreau at least allows the need of some government---"the best government is the least government"--but there are others who denounce any sort of organisation at all. But given the imperfect nature of human beings, surely, such freedom would degenerate into anarchy and finally to the survival of the fittest in the sense of brute power? It would result in the tyranny of the weak by the strong; It would mean freedom for the strong and enslavement of the weak.

Sub questions

Question Number : 186 Question Id : 2099632688 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-1

The main theme of the passage is

(1) Freedom

(2) Self-restraint

(3) Social Control

(4) Best Government

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 187 Question Id : 2099632689 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-1

"Is such a free existence possible at all for a human being?":

What do you mean by "such a free existence" in this sentence?

(1) Restrained Freedom

(2) Social Control

(3) Complete freedom to do whatever you like

(4) Tyranny

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 188 Question Id : 2099632690 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

What is the meaning of 'nebulous' in the passage?

    (1) clear

    (2) distinct

    (3) controversial

    (4) vague

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 189 Question Id : 2099632691 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-1

According to Thoreau, the best government

    (1) exercises maximum authority.

    (2) imposes minimum authority.

    (3) leads to anarchy.

    (4) exercises brutal power.

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 190 Question Id : 2099632692 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-1

Absolute freedom degenerates into anarchy, because

(1) human beings are perfect.

(2) human beings are imperfect.

(3) human beings are weak.

(4) human beings are self-restrained.

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Sub-Section Number:	9
Sub-Section Id:	209963298
Question Shuffling Allowed :	No

Question Id : 2099632693 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Question Numbers : (191 to 195)

But let there be not a semblance of breach of peace even after all of us have been arrested. We have resolved to utilize all our resources in the pursuit of an exclusively nonviolent struggle. Let no one commit a wrong in anger. This is my hope and prayer. I wish these words of mine reached every nook and corner of the land. My task shall be done if I perish and so do my comrades. It will then be for the Working Committee of the Congress to show you the way and it will be up to you to follow its lead. So long as I have reached Jalalpur, let nothing be done in contravention to the authority vested in me by the Congress. But once I am arrested, the whole responsibility shifts to the Congress. Noone who believes in non-violence, as a creed, need, therefore, sit still. My compact with the Congress ends as soon as I am arrested. In that case, wherever possible, civil disobedience of salt should be started. These laws can be violated in three ways. It is an offence to manufacture salt wherever there are facilities for doing so. The possession and sale of contraband salt, which includes natural salt or salt earth, is also an offence. The purchasers of such salt will be equally guilty. To carry away the natural salt deposits on the seashore is likewise violation of law. So is the hawking of such salt. In short, you may choose any one or all of these devices to break the salt monopoly.

Sub questions

Question Number : 191 Question Id : 2099632694 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-2

"Let no one commit a wrong in anger": What does 'wrong' in the sentence imply?

(1) resort to non-violence

(2) non-participation in the movement

(3) resort to violence

(4) utilize resources

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 192 Question Id : 2099632695 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-2

What is the meaning of "semblance of breach of peace" in the passage?

(1) Peace should be disturbed in reality

(2) Peace should not even seem to be disturbed

(3) Violence should prevail

(4) Everyone should be arrested

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-2

When does the responsibility of continuing the struggle shift to the Congress?

(1) Before the arrest of the speaker.

(2) After the freedom fighters reach Jalalpur.

(3) After the salt satyagraha is successful.

(4) After the arrest of the speaker.

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 194 Question Id : 2099632697 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

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Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-2

The non-violent struggle in the passage specifically refers to

(1) Purchase of salt.

(2) Salt Satyagraha.

(3) Possession of contraband salt.

(4) Breach of peace.

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 195 Question Id : 2099632698 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-2

The speaker in the passage does not advocate for

(1) possession of contraband salt.

(2) manufacture of salt violating the law.

(3) carrying away the natural deposits on the seashore.

(4) breach of peace once the speaker is arrested.

Options :

1. ✔ 1

2. ✻ 2

3. ✻ 3

4. ✻ 4

Question Id : 2099632699 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Question Numbers : (196 to 200)

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-3

The first thought that comes to my mind. It is not that India was never an independent country. The point is that she once lost the independence she had. Will she (lose) it a second time? It is this thought which makes me most anxious for the future. What perturbs me greatly is the fact that not only India has once before lost her independence, but she lost it by the infidelity and treachery of some of her own people. Will history repeat itself? It is this thought which fills me with anxiety. This anxiety is deepened by the realization of the fact that in addition to our old enemies in the form of castes and creeds. India would be a democratic country in the sense that would have a government of the people, by the people and for the people. The same thought comes to my mind. What would happen to her democratic constitution. It is not that India did not know what… democracy (is). Will she (lose) it a second time? I do not know. But it is quite possible in a country like India – where democracy from its long disuse must be regarded as something quite new – there is (a) danger of democracy giving place to dictatorship.

Sub questions

Question Number : 196 Question Id : 2099632700 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

What was the 'system' of governance India had?

(1) A republic governance.

(2) A parliamentary governance.

(3) A constitutional governance.

(4) A democratic governance.

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 197 Question Id : 2099632701 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-3

The word 'infidelity' means in the context of the passage____ .

(1) disloyalty

(2) loyalty

(3) honesty

(4) faithfulness

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 198 Question Id : 2099632702 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-3

What made India lose her independence in the past ?

(1) Democratiation

(2) First thought

(3) Infidelity and teachery

(4) Repetition of history

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 199 Question Id : 2099632703 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None
Correct Marks : 1 Wrong Marks : 0

The author's 'anxiety' in the passage is about _____ .

(1)   caste and creed

(2)   political parties

(3)   the people

(4)   dictatorship

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4

Question Number : 200 Question Id : 2099632704 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Maximum Instruction Time(in seconds) : 0 Minimum Instruction Time(in seconds) : 0 Calculator : None

Correct Marks : 1 Wrong Marks : 0

SECTION - C : COMMUNICATION ABILITY – Comprehension Passage-3

What is the "new" thing that democracy from its long disuse gives rise to ?

(1)   Supremacy

(2)   Dictatorship

(3)   Democracy

(4)   Bureaucracy

Options :

1. ✔ 1

2. ✘ 2

3. ✘ 3

4. ✘ 4