

Q.22 During which of the following period Ostriches were found in India?

- Ans ☒ 1. Mesolithic  
☒ 2. Chalcolithic  
☒ 3. Neolithic  
☒ 4. Palaeolithic

Question ID : 264330105163  
 Status : Answered  
 Chosen Option : 2

Q.23 The Maharashtra Department of Prisons has launched a loan scheme for inmates serving sentences in jails across the state. This credit scheme is titled \_\_\_\_\_.

- Ans ☒ 1. Jivhala  
☒ 2. Kishore  
☒ 3. Sukanya  
☒ 4. Swavlamban

Question ID : 264330105283  
 Status : Answered  
 Chosen Option : 4

Q.24 In which state is the Maihar court where Baba Allaiddin Khan was a musician?

- Ans ☒ 1. Tripura  
☒ 2. Uttar Pradesh  
☒ 3. Madhya Pradesh  
☒ 4. Chhattisgarh

Question ID : 26433064787  
 Status : Not Answered  
 Chosen Option : --

Q.25 Which company has set up a factory on the banks of river Hugli in 1651?

- Ans ☒ 1. Danish  
☒ 2. Portuguese  
☒ 3. English  
☒ 4. French

Question ID : 264330105554  
 Status : Answered  
 Chosen Option : 3

Section : Quantitative Aptitude

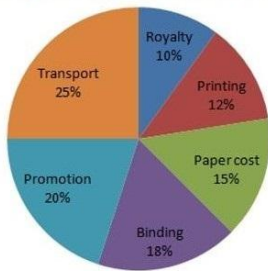
Q.1 If the ratio of corresponding sides of two similar triangles is  $\sqrt{3} : \sqrt{2}$  then what is the ratio of the area of the two triangles?

- Ans ☒ 1. 3 : 2  
☒ 2. 9 : 4  
☒ 3.  $\sqrt{3} : \sqrt{2}$   
☒ 4. 27 : 8

Question ID : 264330105821  
 Status : Answered  
 Chosen Option : 1

**Q.2** Various expenditures incurred by a publishing company for publishing a book in 2018 are given in the following pie-chart. Study the chart and answer the question.

**Expenditures of the company**



Price printed on a book is 15% above the cost price. If the price printed on a book is ₹942, then the cost of paper for a single copy in ₹ is (rounded off to one decimal place)

- Ans**
- ✓ 1. ₹122.9
  - ✗ 2. ₹188.5
  - ✗ 3. ₹182.5
  - ✗ 4. ₹220.6

Question ID : 26433080060  
Status : Answered  
Chosen Option : 1

**Q.3** In a 100-m race, A beats B by 20 m and B beats C by 20 m. By how much distance does A beat C.

- Ans**
- ✗ 1. 64 m
  - ✗ 2. 24 m
  - ✗ 3. 25 m
  - ✓ 4. 36 m

Question ID : 26433075276  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.4** If one man or two women or four boys or five girls can finish a work in 39 days, then how many days will one man, one woman, one boy and one girl together take to finish the same work?

- Ans**
- ✗ 1. 40
  - ✗ 2. 10
  - ✗ 3. 30
  - ✓ 4. 20

Question ID : 26433079895  
Status : Not Answered  
Chosen Option : --

Q.5 The value of  $\cot 15^\circ \cot 25^\circ \cot 45^\circ \cot 75^\circ \cot 65^\circ$  is:

Ans

✓ 1. 1

✗ 2.  $\sqrt{3}$

✗ 3. 2

✗ 4.  $\sqrt{2}$

Question ID : 26433081628

Status : Answered

Chosen Option : 1

Q.6 In triangle PQR, right angled at Q, if  $\cot P = \sqrt{3}$ , then the value of  $\sin P$  is:

Ans

✗ 1. 1

✗ 2.  $\frac{1}{\sqrt{3}}$

✗ 3.  $\frac{\sqrt{3}}{2}$

✓ 4.  $\frac{1}{2}$

Question ID : 26433061178

Status : Answered

Chosen Option : 4

Q.7 The difference of two numbers is 1564. After dividing the larger number by the smaller, we get 6 as quotient and 19 as remainder. What is the smaller number?

Ans

✗ 1. 456

✗ 2. 287

✗ 3. 623

✓ 4. 309

Question ID : 26433063766

Status : Not Answered

Chosen Option : --

Q.8 If  $a + b + c = 6$ ,  $a^2 + b^2 + c^2 = 14$  and  $ab + bc + ca = 11$ , then what is the value of  $a^3 + b^3 + c^3 - 3abc$ ?

Ans

✗ 1. 31

✗ 2. 12

✓ 3. 18

✗ 4. 42

Question ID : 26433065325

Status : Answered

Chosen Option : 3

**Q.9** The length of the tangent to a circle from a point P is 15 cm. Point P is 17 cm away from the centre. What is the radius of the circle?

- Ans
- ☒ 1. 7 cm
  - ☒ 2. 9 cm
  - ☒ 3. 8 cm
  - ☒ 4. 4 cm

Question ID : 26433074484  
Status : Answered  
Chosen Option : 3

**Q.10** Side of an equilateral triangle is 24 cm. What will be the radius of in circle of this equilateral triangle?

- Ans
- ☒ 1. 6 cm
  - ☒ 2. 12 cm
  - ☒ 3. 8 cm
  - ☒ 4. 3 cm

Question ID : 264330105839  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.11** The radius of a right circular cylinder is five times of its height. If the height of the cylinder is 3.5 cm, then what is the volume of cylinder?

- Ans
- ☒ 1. 3368.75 cm<sup>3</sup>
  - ☒ 2. 3872.75 cm<sup>3</sup>
  - ☒ 3. 3146.75 cm<sup>3</sup>
  - ☒ 4. 3524.25 cm<sup>3</sup>

Question ID : 264330105887  
Status : Answered  
Chosen Option : 1

**Q.12** In an election between two candidates, 12% of voters did not cast their votes. The winner by obtaining 68% of the total votes defeated his contestant by 2880 votes. What was the total number of voters who cast their votes in the election?

- Ans
- ☒ 1. 5280
  - ☒ 2. 8000
  - ☒ 3. 4000
  - ☒ 4. 6000

Question ID : 26433075347  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.13** A cuboid of length 36 m, breadth 18 m and height 9 m is melted and recast into a cube. Find the length of the diagonal of the cube.

- Ans ☒ 1.  $18\sqrt{3}$  m
- ☐ 2.  $15\sqrt{3}$  m
- ☐ 3.  $12\sqrt{3}$  m
- ☐ 4.  $17\sqrt{3}$  m

Question ID : 26433065028  
Status : Answered  
Chosen Option : 1

**Q.14** The following table shows the number of delivery partners (in thousands) who joined five different companies during six different years.

Year	Companies				
	Emazon	Clipkart	Twiggy	Tomato	Pyntra
2016	2.4	4.5	1.2	0.9	4.2
2017	1.8	5.4	1.5	1.2	5.6
2018	3.2	7.2	2.4	2.1	6.3
2019	3.9	5.6	2.8	2.7	6.5
2020	4.2	6.4	3.2	3.3	7.0
2021	5.0	7.2	3.6	3.6	7.2

Find the percentage increase in the number of delivery partners that joined Pyntra from 2017 to 2021.

- Ans ☐ 1. 26.57%
- ☐ 2. 25.87%
- ☐ 3. 27.58%
- ☒ 4. 28.57%

Question ID : 26433076414  
Status : Answered  
Chosen Option : 4

**Q.15** Simplify the following.

$$\frac{762 \times 762 \times 762 + 316 \times 316 \times 316}{762 \times 762 - 762 \times 316 + 316 \times 316}$$

- Ans ☐ 1. 1064
- ☐ 2. 1056
- ☐ 3. 1042
- ☒ 4. 1078

Question ID : 26433080388  
Status : Answered  
Chosen Option : 4

**Q.16** The price of some wooden furniture increases by 65% when it passes through three hands. If the first and second sellers made a profit of 20% and 25%, respectively, then find the profit percentage of the third seller.

- Ans** ☒ 1. 10%  
☒ 2. 12.5%  
☒ 3. 16%  
☒ 4. 8%

Question ID : 26433065273  
 Status : Answered  
 Chosen Option : 1

**Q.17** What is the ratio of the fourth proportional of 2, 5, 6 and the fourth proportional of 6, 8, 9?

- Ans** ☒ 1. 3 : 2  
☒ 2. 5 : 3  
☒ 3. 3 : 4  
☒ 4. 5 : 4

Question ID : 26433064986  
 Status : Answered  
 Chosen Option : 4

**Q.18** If a man travels at  $\frac{1}{x}$  km/h on a journey and returns at  $\frac{1}{x^2}$  km/h, then his average speed for the journey is:

- Ans** ☒ 1.  $\frac{x+1}{x^2}$   
☒ 2.  $\frac{2}{x+x^2}$   
☒ 3.  $\frac{1}{x+x^2}$   
☒ 4.  $\frac{2x^2}{x+1}$

Question ID : 26433061611  
 Status : Answered  
 Chosen Option : 2

**Q.19** If  $k^4 + \frac{1}{k^4} = 194$ , then what is the value of  $k^3 + \frac{1}{k^3}$ ?

- Ans** ☒ 1. 42  
☒ 2. 52  
☒ 3. 36  
☒ 4. 18

Question ID : 264330105947  
 Status : Answered  
 Chosen Option : 2

Q.20 The HCF of two numbers 2040 and 391 is:

Ans ☒ 1. 17

☐ 2. 21

☐ 3. 16

☐ 4. 18

Question ID : 26433079817

Status : Marked For Review

Chosen Option : 1

Q.21 What annual instalment will discharge a debit of ₹5,664 in 4 years at 12% simple interest?

Ans ☐ 1. ₹1,230

☐ 2. ₹1,210

☒ 3. ₹1,200

☐ 4. ₹1,220

Question ID : 26433076097

Status : Not Answered

Chosen Option : --

Q.22 The table given below shows the production of five companies in two years.

Company	Years	
	Y1	Y2
A	50	100
B	90	120
C	30	80
D	80	50
E	20	40

J1= The average production of A in year Y1 and Y2.

J2 = Sum of production of B, C and D in year Y1 and Y2.

What is the value of (J2/J1)?

Ans ☐ 1. 4

☐ 2. 5

☐ 3. 3

☒ 4. 6

Question ID : 264330105711

Status : Answered

Chosen Option : 4

**Q.23** Study the given table and answer the question that follows.

Find the difference between the number of female students and male students who opted biology in school C.

School name	Total number of students enrolled	Percentage of enrolled students, opted Biology	Ratio of male to female students who opted Biology
A	900	30	7:8
B	400	38	9:10
C	1000	24	1:2
D	800	18	5:7

- Ans
- ☒ 1. 240
  - ☒ 2. 160
  - ☒ 3. 200
  - ☒ 4. 80

Question ID : 26433092151  
Status : Answered  
Chosen Option : 1

**Q.24** How far will the tip of a 2cm-long minute hand of a clock move in 45 minutes?

- Ans
- ☒ 1.  $\pi$  cm
  - ☒ 2.  $3\pi$  cm
  - ☒ 3.  $4\pi$  cm
  - ☒ 4.  $2\pi$  cm

Question ID : 26433061605  
Status : Answered  
Chosen Option : 2

**Q.25** Sunil purchased a fan at a 10% discount on the labelled price. If he had purchased it at a 15% discount, he would have saved ₹400. Find the labelled price of the fan.

- Ans
- ☒ 1. ₹8,400
  - ☒ 2. ₹7,500
  - ☒ 3. ₹800
  - ☒ 4. ₹8,000

Question ID : 26433076183  
Status : Answered  
Chosen Option : 4

#### Section : English Comprehension

**Q.1** Select the option that can be used as a one-word substitute for the given group of words/phrase.

Adjust or make right; correct, amend

- Ans
- ☒ 1. Recruit
  - ☒ 2. Recreate
  - ☒ 3. Recourse
  - ☒ 4. Rectify

Question ID : 26433059785  
Status : Answered  
Chosen Option : 4