

# ESIC UDC



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# 2012

## General Intelligence

**Directions (1-4):** Select the suitable alternative to satisfy the relationship in the following questions.

Q1. A : Z :: B : ?

- 1) A
- 2) C
- 3) Y
- 4) X

Ans:

Solution:

Q2. Beat : Heart :: Breath : ?

- 1) Mouth
- 2) Lungs
- 3) Life
- 4) Oxygen

Ans:

Solution:

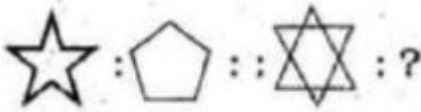
Q3. Water : Hose :: Bullet :

- 1) Rifle
- 2) Barrel
- 3) Trigger
- 4) Airm

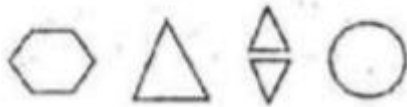
Ans:

Solution:

### Question Figures



### Answer Figure



Q4.

1) 1

2) 2

3) 3

4) 4

Ans:

Solution:

**Directions (5-7):** Pick the odd one out.

Q5.

1) Id

2) Diwali

3) Onam

4) Republic Day

Ans:

Solution:

Q6.

1) Tiger

2) Lion

3) Leopard

4) Wolf

Ans:

Solution:

Q7.

1) A

2) U

3) 0

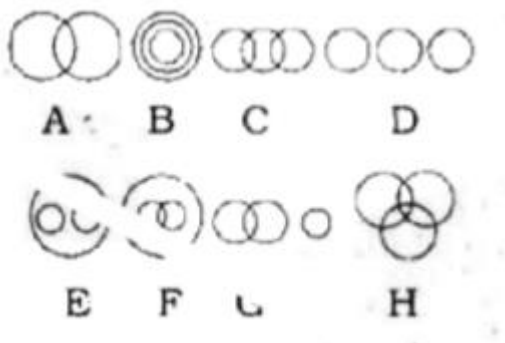
4) W

Ans:

Solution:



**Directions (8-10):** A set of interrelationship diagrams are given below. Select the diagram which represent the relationship best in the questions given.



Q8. Animals, Camel, Giraffe:

1) A

2) D

3) H

4) E

Ans:

Solution:

Q9. Uneducated people, poor people, unemployed people:

- 1) E
- 2) B
- 3) D
- 4) H

Ans:

Solution:

Q10. Females, mothers, sisters:

- 1) F
- 2) E
- 3) G
- 4) D

Ans:

Solution:

**Directions (11-12):** A logical diagram is drawn following by four choice groups. Select the choice which fit the logic of the diagram.



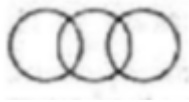
Q11.

- 1) Forest, Trees, Plants
- 2) Mathematics, Algebra, Geometry
- 3) River, House, Boy

4) Humans, Mothers, Computers

Ans:

Solution:



Q12.

1) Lions, Tigers, Females

2) Laces, Sticks, Coats

3) Flowers, Trees, Grass

4) Rivers, Ganges, Yamuna

Ans:

Solution:

Q13. C is A's father's nephew, D is A's cousin but not brother of C. How is D related to C?

1) Father

2) Aunt

3) Sister

4) Mother

Ans:

Solution:

Q14. A man is standing under a tree at night and walks in the northern direction for 5 km. He then turns  $90^\circ$  to his right and walks 5 km. In which direction should he walk to get the original tree?

1) South

2) South East

3) South West



4) West

Ans:

Solution:

**Directions (15-17):** A cube of side four inch is painted red, blue and black on the pairs of opposite faces. It is then cut into smaller cubes of side one inch each.

Q15. How many cubes have one face red and one blue (the other faces may be painted or unpainted)?

1) 16

2) 8

3) 4

4) 0

Ans:

Solution:



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Q16. How many cubes have one face red and all others unpainted?

1) 8

2) 4

3) 6

4) 16

Ans:

Solution:

Q17. How many cubes have faces painted with three different colours?

1) 8

2) 4



3) 6

4) 16

Ans:

Solution:

**Direction (18-19):** In the following questions if

- means  $\times$ ,  $\times$  means +

+ means  $\div$ ,  $\div$  means -

Give the answers to the following questions.

Q18.  $5 + 5 \times 20 \div 7 \times 15$ :

1) 29

2) 30

3) 25

4) 31

Ans:

Solution:

Q19.  $(7 - 5) \times (27 + 9) \times (30 + 5)$ :

1) 42

2) 40

3) 44

4) 49

Ans:

Solution:

**Directions (20-22):** In the following questions, select the choice which completes the series.





Q20. A 2 C, D 5 F, G 8 I

- 1) J13K
- 2) J11L
- 3) L13M
- 4) N14O

Ans:

Solution:

Q21. 1, 2, C, 4, 5, F, 7, 8, I, ?:

- 1) 10, 11, L
- 2) 8, 9, K
- 3) 9, 10, L
- 4) 12, 13, M

Ans:

Solution:

Q22. 123, DEF, 789, JKL, ?

- 1) 13, 14, 15
- 2) MNO
- 3) 9, 10, 11
- 4) PQR

Ans:

Solution:

Q23. Five persons are standing in a queue. One of the two persons at the extreme end is a professor and the other is a businessman. An advocate is standing to the right of the student. An author is



to the left of the businessman. The student is standing between the professor and the advocate. Counting from the left the author is at which place:

- 1) 1st
- 2) 2nd
- 3) 3rd
- 4) 4th

Ans:

Solution:

**Directions (24-26):** There are five friends A, B, C, D and E. A and B can work on Monday, Tuesday, Wednesday. B and C can work on Monday, Wednesday, Thursday, C and D can work on Monday, Friday, Thursday. D and E can work on Friday, Tuesday, Thursday. E and A can work on Friday, Tuesday, Wednesday. Select the appropriate choice in the following questions.

Q24. Who cannot work on a Thursday?

- 1) A
- 2) B
- 3) C
- 4) E

Ans:

Solution:

Q25. Name the person who cannot work on Fridays:

- 1) A
- 2) B
- 3) C
- 4) E

Ans:



Solution:

Q26. Each friend can work on how many days in a week?

- 1) 3
- 2) 4
- 3) 5
- 4) 6

Ans:

Solution:

**Directions (27-29):** In the following questions select the choice of letters which completes the first word and begins the second. The letters in the bracket, end the first word and begin the second.

Q27. CUT (...) RAIN:

- 1) ENT
- 2) UNT
- 3) TER
- 4) TEL

Ans:

Solution:

Q28. SM (...) ERGY:

- 1) SYN
- 2) ELL
- 3) ART
- 4) ALL

Ans:

Solution:

Q29. OPTI (...) RLY:

- 1) CALL
- 2) MISE
- 3) MIST
- 4) UMUM

Ans:

Solution:

Directions: In the following question a logic has been used to determine the answer. Examine the logic of the solved answers in first two columns and obtain the answer of the third column following the same logic.

4	1	3
2	4	7
2	3	2
<hr/>		
36	125	?
<hr/>		
(1) 81	(2) 64	

Q30.

- 1) 81
- 2) 64
- 3) 100
- 4) 121

Ans:

Solution:

**Directions (31-33):** These questions follow a pattern. The answer of first two columns have been arrived at by following some logic. You have to find out the answer of third column following the same logic and select the choice to replace the question mark.

$7\frac{1}{2}$	27	$4\frac{1}{4}$
$8\frac{1}{2}$	8	$5\frac{1}{2}$
$3\frac{1}{2}$	3	$1\frac{3}{4}$
<hr/>		
$12\frac{1}{2}$	3	?
<hr/>		

Q31.

- 1) 8
- 2)  $7\frac{1}{2}$
- 3)  $6\frac{1}{2}$
- 4) 9

Ans:

Solution:

82623	75696	221256
3 2	7	
<hr/>		
27541	37848	?
<hr/>		

Q32.

- 1) 110628
- 2) 44251
- 3) 31608
- 4) 45846

Ans:

Solution:

$$\begin{array}{r} xyz \\ pq \\ \hline xy + yz - pq \end{array} \quad \begin{array}{r} 876 \\ 23 \\ \hline ? \end{array}$$

Q33.

- 1) 46
- 2) 80
- 3) 92
- 4) 100

Ans:

Solution:

Q34. There are six villages A, B, C, D, E and F.

F is 1 km West of D

B is q km East of E

A is 2 km North of E

C is 1 km East of A

D is 1 km South of A

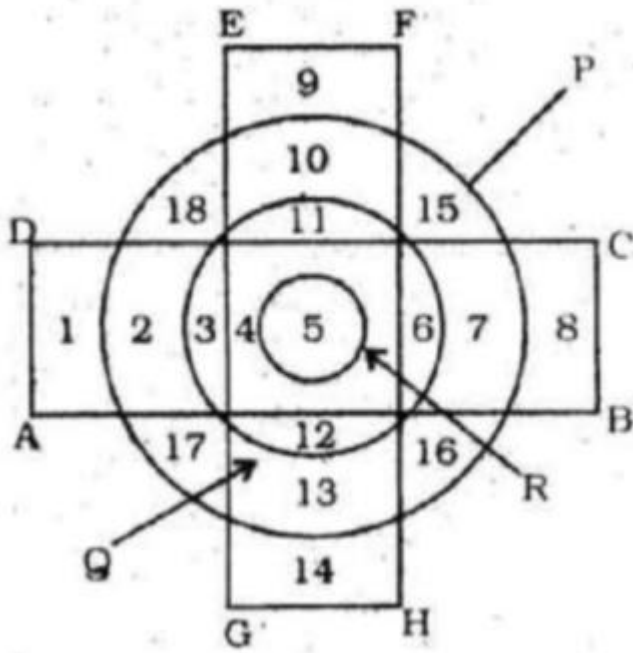
Which of these villages are in a line?

- 1) AC and B
- 2) AD and E
- 3) CB and F
- 4) EB and D

Ans:

Solution:

**Directions (35-39):** Based on the diagram, select the appropriate choice in the following questions.



The circle P represents Indians. The circle Q represents educated persons. The circle R represents honest persons. ABCD represents dark skinned persons.

GHFE represents intelligent persons.

Q35. All honest Indians are:

- 1) Educated
- 2) Fair Skinned
- 3) Both the above
- 4) None of these

Ans:

**Solution:**

Q36. Some intelligent Indians are:

- 1) Honest
- 2) Educated
- 3) Dark-skinned
- 4) All of these



Ans:

Solution:

Q37. Indians who are dark-skinned but neither honest, nor intelligent, nor educated are represented by:

- 1) 10, 13
- 2) 11, 12
- 3) 2, 7
- 4) 18, 16

Ans:

Solution:

Q38. To have more educated Indians we must:

- 1) Increase radius of 'R'
- 2) Increase the radius of 'Q'
- 3) Increase the radius of 'P'
- 4) Increase area of GHFE

Ans:

Solution:

Q39. If the radius of circle 'P' was reduced to be equal to the radius of 'Q' then:

- 1) Number of educated would increase
- 2) The number of honest would decrease
- 3) The number of honest would increase
- 4) The percentage of honest Indians would increase

Ans:





Solution:

Q40. 8 boys sat in a row, Raju is immediate right of Rakesh and immediate left of Shekhar. Shyam is sitting after 3 boys on the right of Shekhar. How many boys were there between Raju and Shyam?

- 1) 3
- 2) 4
- 3) 5
- 4) None of these

Ans:

Solution:

Q41. Meena is the mother of Guriya and Sonu. Puneet is the father in law of Meena. Puneet is the father of Bindoo and Deepa. Puneet has only one daughter. Deepa is the Aunt of Guriya. How is Sonu related to Bindoo?

- 1) Father
- 2) Son
- 3) Niece
- 4) None of these

Ans:

Solution:

Q42. Four friends, A, B, C and D distribute some money among themselves in such a manner that A gets one less than B, C gets 5 more than D. D gets 3 more than B. Who gets the smallest amount?

- 1) D
- 2) C
- 3) B



4) A

Ans:

Solution:

Q43. From a point P, Raman started walking towards south and walked 40 metres. He then turned towards his left and walked 30 metres and reached a point R. The point R is at what minimum distance and in what general direction from the point P?

- 1) 35 metres south-east
- 2) 50 metres south-west
- 3) 35 metres south-west
- 4) 50 metres south-east

Ans:

Solution:

Q44. How many 6's are there in the following number sequence which are not immediately preceded by 3 but immediately followed by 1?

2 3 6 1 7 6 1 8 3 6 0 2 4 6 1 8 8 6 6 1 4 0 3 6 1 2

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

Ans:

Solution:

Direction: Select the suitable alternative to complete the series.

Q45. 15, 31, 63, 127, \_\_\_\_\_

- 1) 255

## Useful Links

2) 250

3) 254

4) 210

Ans:

Solution:

Direction: This question follows some pattern. Pick the suitable choice from the alternatives given to fill the question mark place.

66	83	27
2	2	2
$\sqrt{\quad}$	$\sqrt{\quad}$	$\sqrt{\quad}$
8	9	?

Q46.

1) 5

2) 6

3) 7

4) 8

Ans:

Solution:

Q47. A watch reads 7.30. If the minute hand points west, in what direction will the hour hand point?

1) North-West

2) North-East

3) South-West

4) South-East

Ans:

Solution:



Q48. In a certain language, RICH is coded as SJDI, then POOR will be coded as:

- 1) QPPS
- 2) MPPK
- 3) DEEP
- 4) ZXXV

Ans:

Solution:

Q49. Half the villagers of a village have their own houses. One fifth cultivate paddy. One third are literate. Four fifth of the villagers are under 25. Which of the following is certainly true?

- 1) Some villagers under 25 are literate
- 2) Only a quarter of villagers owning houses cultivate paddy
- 3) Only half who cultivate paddy are literate
- 4) No villager under 25 has his own house

Ans:

Solution:

Q50. What is represented by '?' in:

EXAM : FWAN :: ? : NZZF

- 1) MACE
- 2) MARK
- 3) MASK
- 4) MAZE

Ans:

Solution:



## Number Ability

Q51. A quadrilateral with a pair opposite sides parallel is called:

- 1) Parallelogram
- 2) Trapezium
- 3) Polygon
- 4) None of these

Ans:

Solution:

Q52. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:

- 1) 588 apples
- 2) 600 apples
- 3) 672 apples
- 4) 700 apples

Ans:

Solution:

Q53. The cost price of 20 articles is the same as the selling price of  $x$  articles. If the profit is 25%, then the value of  $x$  is:

- 1) 15
- 2) 16
- 3) 18
- 4) 25

Ans:



Solution:

Q54. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

- 1) 6.25
- 2) 6.5
- 3) 6.75
- 4) 7

Ans:

Solution:

Q55. A person crosses a 600 metre long street in 5 minutes. What is his speed in km per hour?

- 1) 3.6
- 2) 7.2
- 3) 8.4
- 4) 10

Ans:

Solution:

Q56. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?

- 1) 3.5 years
- 2) 4.5 years
- 3) 5 years
- 4) 4 years

Ans:



Solution:

Q57. What is the probability of getting a sum 9 from two throws of a dice?

- 1)  $\frac{1}{6}$
- 2)  $\frac{1}{8}$
- 3)  $\frac{1}{9}$
- 4)  $\frac{1}{12}$

Ans:

Solution:

Q58. An observer 1.6 metre tall is 203 metre away from a tower. The angle of elevation from his eye to the top of the tower is  $30^\circ$ . The height of the tower is:

- 1) 216 metre
- 2) 23.2 metre
- 3) 24.72 metre
- 4) None of these

Ans:

Solution:

Q59. The ratio between the length and the breadth of a rectangular park is 3 : 2. If a man cycling along the boundary of the park at the speed of 12 km/hr completes one round in 8 minutes, then the area of the park (in sq. m) is:

- 1) 15360
- 2) 153600
- 3) 30720
- 4) None of these

Ans:



Solution:

Q60. What least number which must be added to 1056, so that the sum is completely divisible by 23?

- 1) 3
- 2) 18
- 3) 2
- 4) 21

Ans:

Solution:

Q61. Select the correct equation:

- 1)  $C/5 = (F + 32) / 9$
- 2)  $C/9 = (F - 32) / 5$
- 3)  $C/5 = (F - 32) / 9$
- 4) None of these

Ans:

Solution:

Q62. If the radius of circle is 7 cm then the area of circle is:

- 1) 153.86 cm square
- 2) 145.22 cm square
- 3) 150.00 cm square
- 4) 152.67 cm square

Ans:

Solution:





Q63. Find the incorrect statement in respect of parallelogram:

- 1) Opposite sides are equal
- 2) Opposite angles are equal
- 3) Diagonals bisect each other but need not be equal
- 4) Sum of adjacent angles is

Ans:

Solution:

Q64. Identify the incorrect statement:

- 1) Diameter is the longest chord of a circle.
- 2) A segment of a circle is the region between an arc and a chord of the circle
- 3) A line segment joining the centre to any point on the circle is called its chord
- 4) Two circles having the same centre and different radii are called concentric circles

Ans:

Solution:

Q65. A tax payer is exempted of income tax for the first Rs. 40,000.00 of his annual income and for the rest of the income, he has to pay tax at the rate of 20%. If he pays Rs. 3160 annually as income tax, find his monthly income:

- 1) Rs. 4850
- 2) Rs. 4650
- 3) Rs. 45507
- 4) None of these

Ans:

Solution:



Q66. Ram encashes a cheque of ₹ 600 from bank. The bank pays him in 10 rupee and 5 rupee notes totaling 72. How many numbers of 10 rupee notes are given by the bank?

- 1) 24
- 2) 60
- 3) 48
- 4) None of these

Ans:

Solution:

Q67. In a question, instead of multiplying a number by  $\frac{3}{4}$ , a student multiplied it by  $\frac{4}{3}$  and got 49 more than the correct answer. The correct answer is:

- 1) 19
- 2) 63
- 3) 84
- 4) 112

Ans:

Solution:

Q68. In a school with 600 students, the average age of the boys is 12 years and that of girls is 11 years. If the average age of the school is 11 years and 9 months, then the number of girls in the school is:

- 1) 450
- 2) 250
- 3) 150
- 4) 350

Ans:



Solution:

Q69. Which is the largest fraction:

- 1)  $\frac{1}{17}$
- 2)  $\frac{3}{17}$
- 3)  $\frac{4}{17}$
- 4)  $\frac{1}{27}$

Ans:

Solution:

Q70. 70% of 70% of Rs. 75000 is:

- 1) Rs. 37650
- 2) Rs. 36750
- 3) Rs. 37650
- 4) None of these

Ans:

Solution:

Q71. One-fourth of one third of two-fifth of a number is 15. What will be 40% of that number?

- 1) 120
- 2) 180
- 3) 270
- 4) 350

Ans:

Solution:



Q72. The height of 5 boys is recorded as 146 cms, 154 cms, 164 cms, 148 cms and 158 cms. What is the average height of all these boys?

- 1) 152 cms
- 2) 158 cms
- 3) 156 cms
- 4) 154 cms

Ans:

Solution:

Q73. Ram purchased 25 kgs of rice at the rate of Rs. 45 per kg and 12 kgs of pulses at the rate of Rs. 28 per kg. What is the total amount that he paid to the shopkeeper?

- 1) Rs. 1466
- 2) Rs. 1416
- 3) Rs. 1461
- 4) R. 1471

Ans:

Solution:

Q74. What approximate value should come in place of the question mark?

$$\sqrt{343}$$

- 1) 18
- 2) 58
- 3) 78
- 4) None of these

Ans:

Solution:



Q75. What will be the compound interest accrued on a sum of Rs. 35,000 at the rate of 8% per annum in 2 years?

- 1) Rs. 5884
- 2) Rs. 5284
- 3) Rs. 5524
- 4) Rs. 5824

Ans:

Solution:

Q76. Ram bought a cycle and sold it for Rs. 4550 which is 30% more than the original price. What is the original price of the cycle?

- 1) Rs. 3500
- 2) Rs. 3800
- 3) Rs. 3600
- 4) Rs. 3400

Ans:

Solution:

Q77. Ramesh runs four kilometres everyday. On Saturday and Sunday he runs one kilometres extra (on each day). How many kilometres does he run in two weeks?

- 1) 40 kms
- 2) 60 kms
- 3) 50 kms
- 4) 70 kms

Ans:

Solution:



Q78. Rahim sales a cow at a loss of 15%. If he had sold it for Rs. 150 more, then he would have made a profit of 10%. Cost price of the cow was

- 1) Rs. 660
- 2) Rs. 600
- 3) Rs. 575
- 4) None of these

Ans:

Solution:

Q79. 53% of a sum of money is Rs. 5194. What is the sum of money?

- 1) Rs. 9800
- 2) Rs. 8800
- 3) Rs. 7800
- 4) Rs. 10000

Ans:

Solution:

Q80. There are some parrots and some tigers in a forest. If the total number of animal heads in the forest are 858 and total number of animal legs are 1764. What is the number of parrots in the forest?

- 1) 843
- 2) 847
- 3) 800
- 4) None of these

Ans:

Solution:



Q81. Deepa invested an amount of Rs. 5800 for 2 years. At what compound interest will she get an amount of Rs. 594.5 at the end of two years?

- 1) 5%
- 2) 4%
- 3) 6%
- 4) None of these

Ans:

Solution:

Q82. The product of two irrational numbers is:

- 1) Always irrational
- 2) Always rational
- 3) Always an integer
- 4) Sometimes rational and sometimes irrational

Ans:

Solution:

Q83. The perimeter of an isosceles triangle is 42 cm and its base is  $1\frac{1}{2}$  times each of the equal sides. Find the length of each side of triangle:

- 1) 12 cm, 12 cm, 18 cm
- 2) 6 cm, 6 cm, 9 cm
- 3) 18 cm, 18 cm, 24 cm
- 4) None of these

Ans:

Solution:



Q84. Find the total surface area of a cylinder having radius of the base 14 cm and height 30 cm.

- 1)  $3872 \text{ cm}^2$
- 2)  $4872 \text{ cm}^2$
- 3)  $3782 \text{ cm}^2$
- 4) None of these

Ans:

Solution:

Q85. The external diameter of an iron pipe is 25 cm and its length is 20 cm. If the thickness of the pipe is 1 cm, find the total surface area of the pipe:

- 1)  $3168 \text{ cm}^2$
- 2)  $3872 \text{ cm}^2$
- 3)  $3264 \text{ cm}^2$
- 4) None of these

Ans:

Solution:

Q86. In 40 tosses of a coin, tail appears 22 times. If a coin is tossed at random, what is the probability of getting a head?

- 1)  $9/20$
- 2)  $9/25$
- 3)  $11/20$
- 4) None of these

Ans:

Solution:





Q87. If one kilometer is equal to 10 hectometre, then 1 hectometre is equal to:

- 1) 10 decametres
- 2) 1 decametre
- 3) 100 decametres
- 4) 10 decimetres

Ans:

Solution:

Q88. A number consists of three digits. The middle figure is the sum of the other two. The first figure is equal to the square of the third. The number is:

- 1) 121
- 2) 442
- 3) 993
- 4) None of these

Ans:

Solution:

Q89. The average of eight numbers taken together is 12. Two of these numbers are 0 and the remaining numbers are equal. What is the value of the non-zero number?

- 1) 12
- 2) 14
- 3) 16
- 4) 18

Ans:

Solution:



Q90. The difference between simple and compound interest compounded yearly at rate of 4% in a two year period is Rs. 10. The amount of investment is:

- 1) Rs. 4500
- 2) Rs. 5750
- 3) Rs. 6000
- 4) Rs. 6250

Ans:

Solution:

Q91. A sum of money invested at compound interest amounts in 3 years to Rs. 800 and in 4 years to Rs. 840. What is the percentage rate of interest?

- 1) 5%
- 2) 4%
- 3) 3%
- 4) 10%

Ans:

Solution:

Q92.  $(a + b)^3$  is equal to:

- 1)  $(a + b)(a^2 + b^2 - ab)$
- 2)  $(a + b)(a^2 + b^2 + ab)$
- 3)  $a^3 + b^3 + 3ab(a + b)$
- 4)  $a^3 + b^3 - 3ab(a + b)$

Ans:

Solution:



Q93.  $\frac{2}{3}$  of the employees of a company are skilled workers and the rest are unskilled. If  $\frac{5}{9}$  of the skilled workers and  $\frac{7}{8}$  of the unskilled workers are temporary workers, then find the total number of employees when the total number of permanent employees is 292:

- 1) 572
- 2) 894
- 3) 864
- 4) None of these

Ans:

Solution:

Q94. LCM of 36, 45, 52, 108 and 236 is:

- 1) 414180
- 2) 480414
- 3) 441180
- 4) None of these

Ans:

Solution:

Q95. A sum of Rs. 8,500 is to be divided among 5 men, 6 women and 8 boys in the ratio of 10 : 7 :

1. The share of one woman will be:

- 1) Rs. 85
- 2) Rs. 385
- 3) Rs. 850
- 4) Rs. 595

Ans:

Solution:



Q96. Number A is 60 more than twice the number B, Number C is 10 more than twice the number A. If average of A, B and C is 110. What is the value of C?

- 1) 120
- 2) 210
- 3) 290
- 4) None of these

Ans:

Solution:

Q97. Shyama sold 10 sarees for a total profit of Rs. 460 and 12 sarees for a total profit of Rs. 144. At what profit per saree should he sell the remaining 20 sarees so that he gets an average profit of Rs. 18 per saree?

- 1) Rs. 7.40
- 2) Rs. 7.60
- 3) Rs. 7.80
- 4) Rs. 8.00

Ans:

Solution:

Q98. In what time period, a sum of Rs. 5000 will become Rs. 6655 if rate of compound interest is 10% per annum?

- 1) 2 years
- 2) 3 years
- 3)  $2\frac{1}{2}$  years
- 4) None of these

Ans:



Solution:

Q99. When the fractions  $\frac{9}{11}, \frac{8}{10}, \frac{7}{9}, \frac{7}{11}$  are arranged in the ascending order of value, the result is:

1)  $\frac{7}{11} : \frac{8}{10} : \frac{7}{9} : \frac{9}{11}$

2)  $\frac{9}{11} : \frac{8}{10} : \frac{7}{9} : \frac{7}{11}$

3)  $\frac{7}{11} : \frac{7}{9} : \frac{8}{10} : \frac{9}{11}$

4)  $\frac{8}{10} : \frac{7}{11} : \frac{9}{11} : \frac{7}{9}$

Ans:

Solution:

Q100. How many cubes of 3 cm. edge can be cut out of a cube of 18 cm. edge?

1) 216

2) 516

3) 36

4) None of these

Ans:

Solution:

## GENERAL AWARENESS

Q101. How many bones are there in human body?

1) 201

2) 203

3) 210

4) 206

Q102. In between two summer Olympic Games there is a difference of \_\_\_\_\_ years.

- 1) 2
- 2) 3
- 3) 4
- 4) 6

Q103. The Opening and Closing ceremonies of Commonwealth Games 2010 had held at:

- 1) Jawaharlal Nehru Sport complex
- 2) Indira Gandhi Sports Complex
- 3) Siri fort Sports Complex
- 4) Delhi University

Q104. The tobacco contains;

- 1) Caffeine
- 2) Codeine
- 3) Nicotine
- 4) Morphine

Q105. Which one of the following is not a derived quantity?

- 1) Density
- 2) Mass
- 3) Volume
- 4) Speed

Q106. The sound waves travels fastest in:

- 1) Solids
- 2) Liquids
- 3) Gases
- 4) Vacuu

Q107. During summer dyas, water kept in an Earthen pot (Pitcher) becomes cool because of phenomenon of:

- 1) Diffusion
- 2) Transpiration
- 3) Osmosis
- 4) Evaporation

Q108. Which of the following is not a mixture?

- 1) Kerosene
- 2) Air
- 3) Alcohol
- 4) Petrol

Q109. A candidate for election to the Rajya Sabha must be not less than:

- 1) 35 Years of age
- 2) 25 years of age
- 3) 30 years of age
- 4) 40 years of age

Q110. This river rises from Trimbak plateau of north Sahyadir:

- 1) cauvcry

- 2) Godavari
- 3) Krishna
- 4) Mahanadi

Q111. Marmagao port occupies fifth position in terms of total traffic handled. Where is this?

- 1) Tamil Nadu
- 2) West Bengal
- 3) Goa
- 4) Odisha

Q112. The first session of Indian National Congress was chaired by:

- 1) A. O Hume
- 2) W. C Bannerjee
- 3) Dada Bhai Naoroji
- 4) George Yule

Q113. Who among the following is not a sarod player?

- 1) Ali akbar Khan
- 2) Alla Rakha Khan
- 3) Allauddin Khan
- 4) Amjad Ali Khan

Q114. Identify the incorrect match of the equivalent ranks in army and Navy respectively:

- 1) Brigadier: Commodore
- 2) Captain : Lieutenant
- 3) Major: Commander





4) Major General : Rear admiral

Q115. Instrument for measuring humidity:

- 1) Hygrometer
- 2) Inclinator
- 3) Hydrometer
- 4) Hydroscope

Q116. Unit for measuring the volume of sound:

- 1) Decibel
- 2) Fathom
- 3) Erg
- 4) None of these

Q117. Female reproductive part of flower is known as:

- 1) Pistil
- 2) Stamen
- 3) Pedicel
- 4) Gametes

Q118. Fish have special structures

- 1) Nostrils
- 2) Spiracle
- 3) Lungs
- 4) gills



Q119. Salivary glands are present in:

- 1) Stomach
- 2) Small Intestine
- 3) Buccal Cavity
- 4) Alimentary canal

Q120. It is a standard way of sending computer files to other computers:

- 1) FTP
- 2) TCP
- 3) URL
- 4) Hyperlink

Q121. What is the length of the pitch in cricket?

- 1) 20.75 Metres
- 2) 20.12 Metres
- 3) 18.25 Metres
- 4) 19.18 Metres

Q122. Ramachandara Narayanji Dwivedi is best known by the name of:

- 1) Sant Kabeer
- 2) Munshi Premachand
- 3) Kavi Pradeep
- 4) Goswami Tulsidas

Q123. Kargil is situated in which valley?

- 1) Lidder
- 2) suru
- 3) Sindh
- 4) Dras

Q124. The description of Kautilya is found in which dynasty?

- 1) The Kushanas
- 2) The Mauryas
- 3) Guptas
- 4) Cholas

Q125. In which year the slogan 'Quit India' was given by Gandhiji?

- 1) 1940
- 2) 1942
- 3) 1936
- 4) 1938

Q126. Which among these is a credit rating agency?

- 1) ICRA
- 2) SEBI
- 3) NSE
- 4) BSE

Q127. Prem Pachisi was written by:

- 1) Maithli Sharan Gupta
- 2) Munshi Premchand



3) Mahavir Prasad Dwivedi

4) Jai Shankar Prasad

Q128. A popular folk song of Uttar Pradesh is known as:

1) Maang

2) Kajri

3) Saul

4) Boli

Q129. The speaker of Lok Sabhais removed by the:

1) President

2) Majority of members of Lok Sabha

3) Prime Minister

4) Member of both houses of Parliament

Q130. The developer of the scale, known as Richter scale to measure seismic waves, was native of which country?

1) U.S.A.

2) Russia

3) U.K.

4) Japan

Q131. Which of the following is the headquarters of Lakshadweep Islands?

1) Kavaratti

2) Agatti

3) Andrott



4) Kalpeni

Q132. Raja Reddy and Radha Reddy are associated with which of the following dance styles?

- 1) Kuchipudi
- 2) Kathak
- 3) Bharatnatyam
- 4) Manipuri

Q133. Antarctic was discovered by:

- 1) An Indian
- 2) An American
- 3) An Australian
- 4) A French



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Q134. Which is called the land of Kiwis?

- 1) West Indies
- 2) Australia
- 3) England
- 4) New Zealand

Q135. What is Noonmati?

- 1) an atomic Reactor
- 2) Army Brigade
- 3) A Space Shuttle
- 4) Oil Refinery



Q136. Mahatma Jyotiba Phule's real name was:

- 1) Jyoti Rao Givind Rao
- 2) Jyoti Rao Mahendra Rao
- 3) Jyoti Rao Suresh Rao
- 4) Jyoti Rao Vijay Rao

Q137. Elephant Pass is located in:

- 1) Pakistan
- 2) Sri Lanka
- 3) China
- 4) India

Q138. The white band in India's national Flag was added by:

- 1) Pt. Motilal Nehru
- 2) Pt. Jawahar Lal Nehru
- 3) Mahatma Gandhi
- 4) Rabindra Nath Tagore

Q139. Tiger was adopted National animal in the year:

- 1) 1973
- 2) 1968
- 3) 1982
- 4) 1970



Q140. Pulakesin, the chalukya ruler, defeated Harhavardhana on the bank of the river:

- 1) Narmada
- 2) Godavari
- 3) Bramhaputra
- 4) None of these

Q141. Nagin Lake is located in the state of:

- 1) Jammu and Kashmir
- 2) Madhya Pradesh
- 3) Jharkhand
- 4) Uttarakhand

Q142. Elephant Marathon is held in which of the following cities?

- 1) Trichur
- 2) Gangtok
- 3) Kohima
- 4) Mangalore

Q143. UNICEF has its headquarters in:

- 1) Washington
- 2) San Francisco
- 3) Geneva
- 4) New York

Q144. Rhine Valley in France is known for mineral deposits of:

- 1) Bauxite

2) copper

3) Nickel

4) Zinc

Q145. Brahmaputra river enters into India by which name:

1) Manas

2) Dhansiri

3) Dihang

4) Tsang Po

Q146. A stone lying at the bottom of a pond appears to be at a higher point than it actually is due to the phenomena of:

1) Diffraction of light

2) Scattering of light

3) Reflection of light

4) Refraction of light

Q147. A stick immersed in water appears bent due to the phenomenon of:

1) Reflection of light

2) Diffraction of light

3) Refraction of light

4) Dispersion of light

Q148. Williams sisters are known for the game:



- 1) Badminton
- 2) Table-Tennis
- 3) Tennis
- 4) None of these

Q149. The highest award in sports for a player in India is:

- 1) Dronacharya
- 2) Arjuna
- 3) Rajiv Gandhi khel Ratna
- 4) Padma Shree.

Q150. The official mascot of Olympic Games 2012 is:

- 1) Appu, the Elephant
- 2) Shera
- 3) Fuwa
- 4) Wenlock and Mandeville

## ENGLISH LANGUAGE

**Direction (151 - 158)** In each of these questions, a sentence is divided into three part A, B, C. If there is some error in any part A, B or C. then this is your answer, otherwise answer is D.

Q151. I advised (1) / to him (2)/ to do his work properly. (3)/ No error(4)



Q152. The teacher called Ram(1)/ and asked him (2)/ to describe about the incident. (3)/ No error (4)

Q153. This pen writes (1)/ very well (2)/but it costed me 100 rupees. (3)/No error(4)

Q154. The bomb caused (1)/ extensive damages (2)/of the surrounding buildings. (3)/No error(4)

Q155. There were (1)/ hardly no tress left (2)/ just bare rocky land. (3)/ No error (4)

Q156. The visitors complained at (1)/ the poor accommodation (2)/ they were given. (3)/No error (4)

Q157. You can not (1)/ prevent me (2)/ to go there.(3)/ No error(4)

Q158. I would like your to (1)/ complete this assignment (2)/ before you leave for Mumbai.(3)/ No error(4)

**Direction (159 – 163):** Choose the wrongly spelt word.

Q159.

- 1) Goitre
- 2) Glorious
- 3) Gravitation
- 4) Greivous

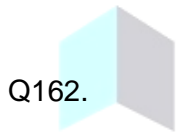


Q160.

- 1) Pregnant
- 2) Nutrition
- 3) Negotiation
- 4) Approach

Q161.

- 1) Appetite
- 2) Apathetic
- 3) Appriasal
- 4) Aperture



Q162.

- 1) Campaign
- 2) Camera
- 3) Camouflage
- 4) Carburettor

Q163.

- 1) Decesive
- 2) Decimal
- 3) Decease
- 4) Deceive

**Directions (164-168):** Choose the correctly spelt word.

Q164.

- 1) Delipberation
- 2) Deleberation
- 3) Deliberition
- 4) Delaberation

Q165.

- 1) Detereorate
- 2) Deteriorate
- 3) Detiriorate
- 4) Detireoraate

Q166.

- 1) Exorbitant
- 2) Exhorbitant
- 3) Exorbetant
- 4) Exohorbitant

Q167.

- 1) Freivolous
- 2) Frivelous
- 3) Frevilous
- 4) Frivlous

Q168.

- 1) Miscarriage
- 2) Mescariage
- 3) Mescarriage
- 4) Miscariage

**Directions (169 – 172):** In each of these questions in the given sentence below there is a blank. Choose the word or phrase which best completes the sentence.

Q169. The doctor prescribed tablets to help \_\_\_\_\_ the pain.

- 1) Lighten
- 2) Calm
- 3) Relieve
- 4) Rid

Q170. If you \_\_\_\_\_ in arriving late, I shall have to report to the manager.

- 1) Persist
- 2) Persevere
- 3) Insist
- 4) Prevail

Q171. The police decided to \_\_\_\_\_ the department store.

- 1) Abandon
- 2) Evacuate
- 3) Evict
- 4) Expel

Q172. Our hosts had prepared a \_\_\_\_\_ meal to celebrate our arrival.

- 1) Generous
- 2) Lavish
- 3) Profuse
- 4) Spendthrift

**Directions (173-179):** In these questions fill in the blanks in the sentence with correct option.

Q173. She is beautiful \_\_\_\_\_ brave.

- 1) But
- 2) and
- 3) Yet
- 4) So

Q174. If I \_\_\_\_\_ The prime minister of India, I would do things differently.

- 1) am
- 2) is
- 3) were
- 4) was



Q175. Barking-dogs seldom \_\_\_\_\_

- 1) Bite
- 2) Bites
- 3) Eat
- 4) Pet

Q176. They still think that women are inferior \_\_\_\_\_ men.

- 1) To
- 2) Than
- 3) From
- 4) By

Q177. The teacher was angry \_\_\_\_\_ me.

- 1) To
- 2) Upon
- 3) AT
- 4) Against

Q178. If you \_\_\_\_\_ ice in warm water. It soon melts.

- 1) Will place
- 2) Place
- 3) would place
- 4) Placed

Q179. When the post \_\_\_\_\_, I will bring it to your office.



- 1) Will arrive
- 2) Arrives
- 3) Is arriving
- 4) Is going to arrive

**Directions (180-182):** Read the passage and answer the questions based on it.

A faint picture of a maiden's life is reflected in the characterisation of Usha, the goddess of dawn, who has been described in many places as a maiden. In the earliest Mandalas, Usha is described as a pure and simple Phenomenon of nature, sweeping away the darkness of night.

Q180. In this passage, Usha has been described as:

- 1) a spinster
- 2) a broom
- 3) A gloomy maiden
- 4) The symbol of unsharring in of light

Q181. The expression a pure and simple phenomenon of nature' implies that 'Usha' is:

- 1) A threat made by nature
- 2) the beauty of nature
- 3) A portent of nature
- 4) Nothing but a benign aspect of nature

Q182. The function of Usha is to:

- 1) Meet darkness and light
- 2) Preside over day and night
- 3) Remove darkness form the face to the Earth





4) Counter- light with darkness

**Directions (183-185):** Choose the correct alternative to complete the sentence.

Q183. Did no one \_\_\_\_\_ him?

- 1) Had help
- 2) Helped
- 3) Have help
- 4) Help

Q184. They went home after they \_\_\_\_\_ their home work.

- 1) Have finished
- 2) did finish
- 3) Had finished
- 4) Finish

Q185. This child \_\_\_\_\_ if the train had not stopped quickly.

- 1) Will have been killed
- 2) Would have been killed
- 3) Had been killed
- 4) Had had been killed

**Directions (186-189):** Fill the sentence with appropriate preposition.

Q186. He comes to school daily \_\_\_\_\_ 07:00 a.m.

- 1) At



2) Upon

3) On

4) In

Q187. I bought this book \_\_\_\_\_ ten rupees.

1) In

2) At

3) For

4) By

Q188. He is very ashamed \_\_\_\_\_ what he said.

1) For

2) By

3) At

4) Of

Q189. Don't look \_\_\_\_\_ me like that!

1) To

2) At

3) For

4) Upon

**Directions (190-192):** Choose the correct passive voice of the sentence given in each question.

Q190. Have you shut the door?

1) Has the door been shut by you?



2) Have the door been shut by you?

3) Has the door ben shut?

4) Have the door being shut by you?

Q191. Deepa swept the floor yesterday.

1) the floor is swept by Deepa yesterday.

2) The floor was swept by deepa yesterday.

3) The floor had been swept by Deepa yesterday.

4) The floor was being swept by Deepa yesterday

Q192. Meena should write a book.

1) A book should have been written by Meena.

2) a book shall be written by Meena.

3) A book should be written by Meena

4) A book shall have been written by Meena

**Directions (193-195):** Change the following sentences into reported speech.

Q193. I said to her, "He is a good boy".

1) I told her that he is a good boy.

2) I told her that he was a good boy.

3) I asked her that he is a good boy.

4) I asked her that he was a good boy.

Q194. Rahim said, "I will watch a horror movie tonight".

1) Rahim said that he will watch a horror movie to night.

- 2) Rahim said that he would watch a horror movie to-night.
- 3) Rahim said that he would watch a horror movie that
- 4) Rahim said that he should watch a horror movie to night.

Q195. Manu said, "I am busy now".

- 1) Munu said that he was busy then.
- 2) Manu said that he is busy now.
- 3) Manu said that he was busy now.
- 4) Manu told that he was busy now.

**Directions (196-198):** In the following questions, out of four alternatives, choose the one which best expresses the meaning of the given word and answer accordingly.

Q196. SUCCESSIVE

- 1) Rapid
- 2) Consecutive
- 3) Victorious
- 4) Beneficient

Q197. MENTOR

- 1) Guide
- 2) Principal
- 3) Stylist
- 4) Philosopher

Q198. FATAL



- 1) Terrible
- 2) Deadly
- 3) Poisonous
- 4) Wrong

**Directions (199-200):** In the following questions, choose the word opposite in meaning to the given word.

Q199. FACILITATE

- 1) Help
- 2) Propagate
- 3) Hinder
- 4) Reject

Q200. CONFORMITY

- 1) Dilution
- 2) Deviation
- 3) Distraction
- 4) Diversion

## Answer Key:

1	3	31	1	61	3	91	1	121	2	151	2	181	4
2	2	32	3	62	1	92	3	122	3	152	3	182	3
3	2	33	3	63	4	93	3	123	2	153	3	183	4
4	1	34	2	64	3	94	1	124	2	154	3	184	3
5	4	35	1	65	2	95	4	125	2	155	2	185	2
6	6	36	4	66	3	96	2	126	1	156	3	186	1
7	4	37	3	67	2	97	2	127	2	157	3	187	3
8	4	38	2	68	3	98	2	128	2	158	4	188	3
9	4	39	1	69	3	99	3	129	2	159	4	189	2
10	1	40	2	70	2	100	1	130	1	160	3	190	1
11	4	41	4	71	2	101	4	131	1	161	3	191	2
12	1	42	1	72	4	102	3	132	1	162	4	192	3
13	3	43	4	73	3	103	1	133	2	163	1	193	2
14	3	44	4	74	1	104	3	134	4	164	1	194	3
15	1	45	1	75	4	105	2	135	4	165	2	195	1
16	1	46	1	76	1	106	1	136	1	166	1	196	2
17	1	47	1	77	2	107	4	137	2	167	4	197	1
18	1	48	1	78	2	108	3	138	3	168	1	198	2
19	3	49	1	79	1	109	3	139	1	169	3	199	3
20	2	50	4	80	1	110	2	140	1	170	1	200	2
21	1	51	1	81	1	111	3	141	1	171	3		
22	1	52	4	82	4	112	2	142	1	172	2		
23	4	53	2	83	1	113	2	143	4	173	2		
24	1	54	1	84	1	114	3	144	1	174	3		
25	2	55	2	85	1	115	1	145	2	175	1		
26	2	56	4	86	1	116	1	146	3	176	1		
27	3	57	3	87	1	117	1	147	3	177	3		
28	4	58	4	88	1	118	4	148	3	178	2		
29	2	59	2	89	3	119	3	149	3	179	2		
30	3	60	3	90	4	120	4	150	4	180	4		

