



**EDUCATION
WORLD**

Education with a difference

Section English

Directions (Question 1 to 7). In these questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.

1. Ironic

- | | |
|--------------|----------------|
| 1) Sarcastic | 2) sympathetic |
| 3) Bitter | 4) sincere |

2. Enormity

- | | |
|---------------|-------------|
| 1) Outrageous | 2) Goodness |
| 3) Immensity | 4) Heinous |

3. Nonplussed

- | | |
|--------------|--------------|
| 1) Surprised | 2) Concerned |
| 3) Troubled | 4) Nervous |

4. Unabashed

- | | |
|-----------------|-------------|
| 1) Sheepish | 2) Timid |
| 3) Unapologetic | 4) Shameful |

5. Construe

- | | |
|--------------|------------------|
| 1) Interpret | 2) Suggest |
| 3) Intimate | 4) Misunderstand |

6. Vociferous

- | | |
|----------|-------------|
| 1) Lucid | 2) Vehement |
| 3) Timid | 4) Silent |

7. Didactic

- | | |
|----------------|---------------|
| 1) Inquisitive | 2) Misleading |
| 3) Instructive | 4) Erroneous |

Direction Question 8 to 12), Fill in the blanks with a word from amongst the choices given

8. All my friends admire the _____ of military life.

- 1) Friendship 2) Rigidity
3) Camaraderie 4) regulations

9. The Company's previous boss got fired because of _____ funds.

- 1) Misconduct 2) Embezzlement
3) Mischief 4) Misbehaviour

10. It was an _____ climb up the mountain.

- 1) Arduous 2) Confusing
3) Demanding 4) Hard

11. The new regulations will be _____ for small businesses to cope with.

- 1) Easy 2) Baffling
3) Abstract 4) Burdergame

12. I was completely _____ after a workout.

- 1) Exhausted 2) Happy
3) Elated 4) Cut off

Directions (Question 13 to 16). In these questions, out of the four alternatives, choose the one which can be substituted for the given words/sentences.

13. An act of renouncing the throne

- 1) Dethrone 2) Defeat
3) Exile 4) Tabdication

14. A story, a picture or a poems that can be interpreted to reveal a hidden meaning, typically a moral or political one.

- 1) Allegory 2) Sonnet
3) Limerick 4) Elegy

15. The arrangement of events or dates in the order of their occurrence.

- 1) Procedure 2) List wise
3) Chronology 4) Serially

16. An imaginary ideal society free of poverty and suffering.

- 1) Civilization 2) Region
3) Settlement 4) Utopia

Directions: (Question 17 to 18). Find the correctly spelt word out of the four alternatives

17. 1) acomodation 2) accomodation
 3) accommodation 4) accomodasion
18. 1) embarrassed 2) embarassed
 3) emburrated 4) embarased

Directions (Question 19 to 23) four alternatives are given for the idiom/phrase in italics in the sentence. Choose the one which best expresses the meaning of the idiom/phrase

19. They don't talk about Harvard anymore, turns out he was **the black sheep** for the family.

- 1) sheep black in colour
 2) being a coward
 3) being a disgrace for the family
 4) being obstinate

20. My pet dog is **down for the count** after swimming in the pool.

- 1) tired
 2) playful
 3) lazy
 4) excited

21. I hope you **break a leg** at your interview tomorrow.

- 1) encourage someone
 2) break one's leg
 3) saying good luck to someone
 4) give a push

22. She asked me to have dinner with her, but I had a task on hand so I said, **rain check**.

- 1) cancel a plan
 2) decide on a plan
 3) postpone a plan
 4) adhere to a plan

23. Everyone took hours to decode the password but Ajay did it **like a cakewalk**.

- 1) simple task
 2) fast work

3) good work

4) easy task

Directions (Question 24 to 27). In these questions, out of the four alternatives, choose the one which is opposite to the meaning of the given word

24. Never

1) frequently

2) always

3) often

4) hometimes

25. Gallant

1) coward

2) proud

3) ungentlemanly

4) Silly

26. Conscientious

1) negligent

2) observant

3) mindful

4) incapable

27. Annoy

1) irritate

2) irk

3) ruffle

4) satisfy



Directions (Question 28 to 29) a part in the following sentences is underlined, which may not be correct. Improve the sentence by choosing one of the options. If no improvement is possible choose the option accordingly.

28. He waded through the rivulet to reach the other part of the forest.

1) into

2) from

3) no improvement

4) across

29. The bird sat atop the oak tree.

1) on

2) from

3) no improvement

4) in

Directions (Question 30 to 32). Reorder P. Q. R. S to make meaningful sentences.

30. Students

P: must write

Q : in the end of the letter

R : to the editor

S : a few suggestions

1) PSRQ

2) QSPR

3) QPRS

4) PSQR

31. The Hornbill is

P. Naga festivities

Q: often displayed on the

R : traditional tribal headgears

S: worn during

1) QRSP

2) PQRS

3) PSRQ

4) RQPS

32. Each one

P : is a step towards

Q : eradication



R : of literacy

S : teach one

1) PQRS

2) SPQR

3) SQPR

4) RSPQ

PASSAGE

Another favourite combination with power food takers is yoghurt and bananas. This makes for a perfect snack after a rough game of football. Exercising burns sugar and thus lowers glucose levels. Yoghurt is packed with proteins that help preserve muscle mass, and bananas are packed with carbohydrates that help in refuelling energy and preventing muscle soreness. A quick and easy recipe with bananas is a banana smother topped with cool yughurt.....

33. What makes for a perfect snack?

1) Yoghurt

2) Banana and yoghurt

3) Smoothie

4) Coal yoghurt

34. Exercising

1) lowers blood levels

2) Burns sugar

3) makes you pant for breath

4) makes you hungry

35. Yoghurt is a good source of

1) carbohydrates

2) glucose

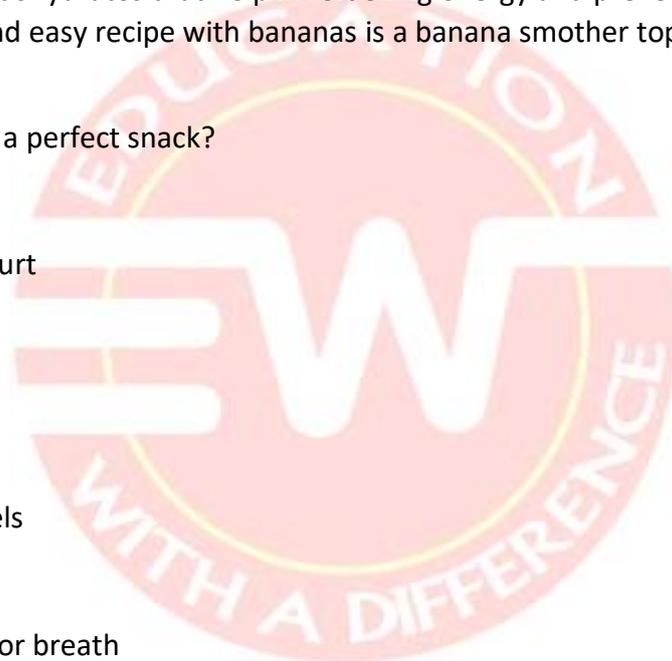
3) Proteins

4) minerals

36. Bananas help in

1) replenishing the energy

2) depleting energy



- 3) developing muscles
- 4) refuelling energy

Passage - 2

A chimpanzee is one of the great apes and the nearest in intelligence to man. Chimpanzees exhibit great concern for each other. When chimpanzees meet after having been apart they greet each other in a very human way by touching each other or even clasping hands. Chimpanzees have amazing social discipline. When a dominant male arrives, the rest of the chimpanzees hurry to pay respect to it. The members of a party also spend considerable amount of time grooming each other and themselves. Mothers go through the fur of their babies for any foreign particles, dirt, and ticks and they aid each other when they are injured.

37. A _____ is one of the great apes

- 1) orangutan
- 2) gorilla
- 3) Monkey
- 4) Chimpanzee

38. Chimpanzees have amazing

- 1) Social skills
- 2) intelligence
- 3) social discipline
- 4) grooming skills

38. How are the baby chimps groomed?

- 1) The Father's through the furs of the babies for any foreign particles or dirt.
- 2) The others go through the furs of the babies for any foreign particles.
- 3) The mothers go through the furs of the babies for any foreign particles, dirt or ticks
- 4) The fathers go through the furs of the babies for any foreign particles of dirt.

40. Chimpanzees greet each other

- 1) folding hands
- 2) joining hands
- 3) waving to each other
- 4) by touching each other or even clasping hands.

SECTION MATHEMATICS

41. In a school, there are 1000 students in the year 1999. The number of students increased 20% the year 2000. It further increased by 15% in the year 2001 and then decreased by 20% in 2002. The number of students in 2002 is

- 1) 1004
- 2) 1100
- 3) 1104
- 4) 1105

42. The value of $\frac{(2.39)^2 - (1.61)^2}{2.39 - 1.61}$ is

- 1) 2
- 2) 4
- 3) 6
- 4) 8

43. What decimal of an hour is a second?

- 1) 0.0025
- 2) 0.00027
- 3) 0.0256
- 4) 0.000126

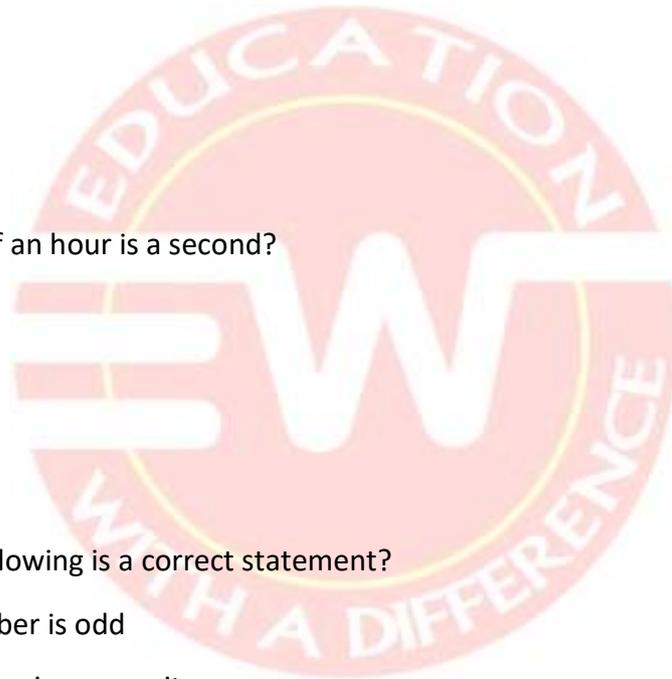
44. Which of the following is a correct statement?

- 1) Every prime number is odd
- 2) Every even number is composite
- 3) The sum of two odd numbers is always odd
- 4) The HCF of two numbers is a factor of their LCM

45. The HCF of the smallest prime and the smallest composite number is

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

46. If the eight-digit number 1965y785 is divisible by 15, the least value of y is



1) 2

2) 4

3) 6

4) 1

47. If one zero of the polynomial $x^2 - 4x + 1$ is $2 - \sqrt{3}$, the other zero is

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

48. If α and β are zeroes of $f(x) = 2x^2 + 8x - 8$, then which of the following is true ?

1) $\alpha + \beta + \alpha\beta = 0$ 2) $\alpha + \beta = \alpha\beta$ 3) $\alpha + \beta < \alpha\beta$ 4) $\alpha + \beta > \alpha\beta$

49. The value of k for which the pair of equations $2x + ky = 8$ and $3x + y = 6$ has no solution

1) -2

2) 2

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

50. The solutions of $8^{x+y} = 512$ and $512^{x-y} = 8$ is

1) $x = \frac{4}{3}, y = \frac{5}{3}$ 2) $x = \frac{5}{3}, y = \frac{4}{3}$ 3) $x = \frac{-5}{3}, y = \frac{4}{3}$

4) None of these

51. Two friends Arun and Amit have a certain number of marbles each. Arun tells Amit "If you give me 10 of your marbles, I will have twice the number of marbles left with you." To this Amit replies "If you give me 10 of your marbles, I will have the same number of marbles as you will have." The number of marbles with Arun and Amit respectively are

1) 20,30

2) 50, 70

3) 70, 50

4) 30, 20

52. The difference between 42% of a number and 28% of the same number is 210, Then, 59% of the number is

1) 700

2) 775

3) 785

4) 885

53. Instead of multiplying at number by 7, the number is divided by 7. The approximate percentage of error is

1) 92%

2) 94%

3) 96%

4) 98%

54. The price of sugar increases by 20%. By what percentage should a lady reduce the consumption of sugar so that the she does not have to incur extra expenditure on it.

1) 15%

2) 20%

3) 16.66%

4) 16.75%

55. A sum of money is to be distributed among four friends A, B, C and D in the ratio 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, then B's share is

1) Rs 1000

2) Rs. 2000

3) Rs 3000

4) Rs 5000

56. If $\frac{7m+2n}{7m-2n} = \frac{5}{3}$, then $\frac{m}{n}$ is equal to

1) $\frac{7}{8}$

2) $\frac{-7}{8}$

3) $\frac{8}{7}$

4) $\frac{-8}{7}$

57. In a mixture of 60 Litres, the ratio of milk to water is 2 : 1. If this ratio is to be 1 : 2 then the quantity of water to be added is

1) 20 L

2) 30 L

3) 40 L

4) 60 L

58. The sum and the product of the zeroes of the polynomial $6x^2 - 5$ respectively are

1) 0 and $\frac{-6}{5}$

2) 0 and $\frac{6}{5}$

3) 0 and $\frac{5}{6}$

4) 0 and $\frac{-5}{6}$

59. The sum of a two-digit number and the number obtained by reversing the order of the digits is 99. If the digits of the number differ by 3, then the number is

1) 63

2) 85

3) 72

4) 52

60. A shopkeeper sells a toy for Rs 24 and gains as much percent as the cost price of the toy. The amount for which the shopkeeper bought the toy is

1) Rs 10

2) Rs 20

3) Rs 40

4) Rs 60

61. The solution(s) of $\sqrt{6x + 7} - (2x - 7) = 0$ is/are

1) $7, \frac{3}{2}$

2) $3, \frac{7}{2}$

3) $\frac{5}{2}, 4$

4) $0, \frac{-1}{2}$

62. The roots of the quadratic equation $25x^2 + 20x + 7 = 0$ are

1) Real and equal

2) Real and distinct

3) Real roots

4) Imaginary roots

63. A and B together complete a piece of work in 6 days. A takes 5 days less than B to complete the work alone. The number of days B takes to complete the work alone is

1) 6

2) 9

3) 12

4) 15

64. The sum of the squares of three consecutive integers is 110. Then, the smallest positive integer among them is

1) 4

2) 5

3) 6

4) 7

65. If the points $(p, 0)$, $(0, q)$ and $(1, 1)$ are collinear, then $\frac{1}{p} + \frac{1}{q}$ equals

1) 0

2) -1

3) 1

4) 2

66. OPQR is a rectangle such that O is the origin and the coordinates of P and Q are $(0, 3)$ and $(-5, 3)$ respectively. Then the length of its diagonal is

1) 5 units

2) 3 units

3) $\sqrt{34}$ units

4) $\sqrt{29}$ units

67. The coordinates of the centre of a circle and one end of a diameter are $(\frac{4}{3}, -2)$ and $(3, 2)$ respectively. The coordinates of the other end of the diameter are

1) $(\frac{1}{3}, 6)$

2) $(6, \frac{-1}{3})$

3) $(\frac{-1}{3}, -6)$

4) $(\frac{1}{3}, -6)$

68. The point $(\frac{23}{5}, y)$ divides the join of the points $(5, 7)$ and $(4, 5)$ in the ratio $2 : 3$ internally. Then y is equal to

1) $\frac{24}{5}$

2) $\frac{31}{5}$

3) $\frac{33}{5}$

4) $\frac{27}{5}$

69. The value of $\tan 1^\circ \tan 2^\circ \tan 3^\circ \dots \tan 89^\circ$ is

1) 0

2) 1

3) -1

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

70. If $\sin x + \operatorname{cosec} x = 2$, then $\sin^{15} x + \operatorname{cosec}^{16} x$ is equal to

1) 2^{10}

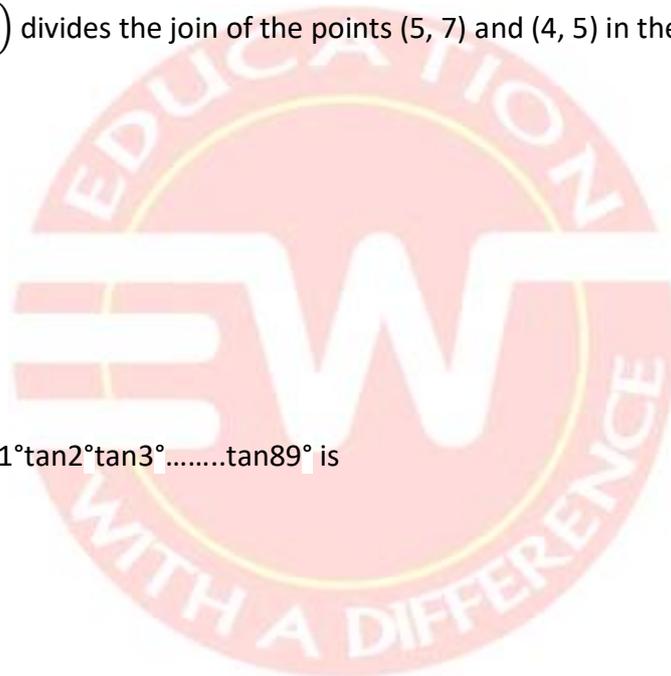
2) 2^{20}

3) 2^{30}

4) 2

71. If A, B and C are the interior angles of a triangle, then $\cos\left(\frac{B+C}{2}\right)$ is equal to

1) $\sin \frac{A}{2}$



2) $\cos \frac{A}{2}$

3) $-\sin \frac{A}{2}$

4) $\tan \frac{A}{2}$

72. At a certain time of the day, it is observed that the ratio of the lengths of the shadow of a pole to the length of the pole is $\sqrt{3} : 1$. The sun's altitude at this time is

1) 30°

2) 45°

3) 60°

4) 90°

73. The angles of elevation of the top of a tower, from two points on the ground, at distances of x m and y m from its foot are complementary. Then the height of the tower is

1) xy m

2) x^2y^2 m

3) \sqrt{xy} m

4) $\frac{x}{y}$ m

74. How many litres of oil at Rs 40 per litre should be mixed with 240 litres of a second variety oil costing Rs 60 per litre so as to get a mixture whose cost is Rs 52 per litre?

1) 110 L

2) 120 L

3) 160 L

4) 180 L

75. A man sold two chairs for Rs 1200 each. On one he gained 20% and on the other he lost 20%. His total gain/loss on the whole deal is

1) 1% loss

2) 2% loss

3) 4% loss

4) 15% gain

76. A dress market at ₹ 2000 is sold with two successive discount of 20% and 10% respectively. Also an additional discount of 5% is given for payment by cash. If a meera pays for the dress by cash, the amount to be paid by her is

1) Rs. 1368

2) Rs. 1386

3) Rs. 1468

4) Rs. 1668

77. If the radius of a circle is 7cm, the perimeter of these semi circles

1) 7cm

2) 14cm

3) 36cm

4) 42cm

78. A wire is in the form of circle of radius 7 cm. It is bent into a square. The area of the square is

1) $11cm^2$

2) $121cm^2$

3) $154cm^2$

4) $169cm^2$

79. A hollow cube of edge 22cm is filled with gental marbles of radii 0.25cm. If one -eighth of the space in the cube remains unfilled then the number of marble in cube are

1) 142296

2) 142396

3) 142496

4) 142596

80. The volumes of two spheres are in the ratio 64 : 27 . The ratio of their surface areas is

1) 3 : 4

2) 4 : 3

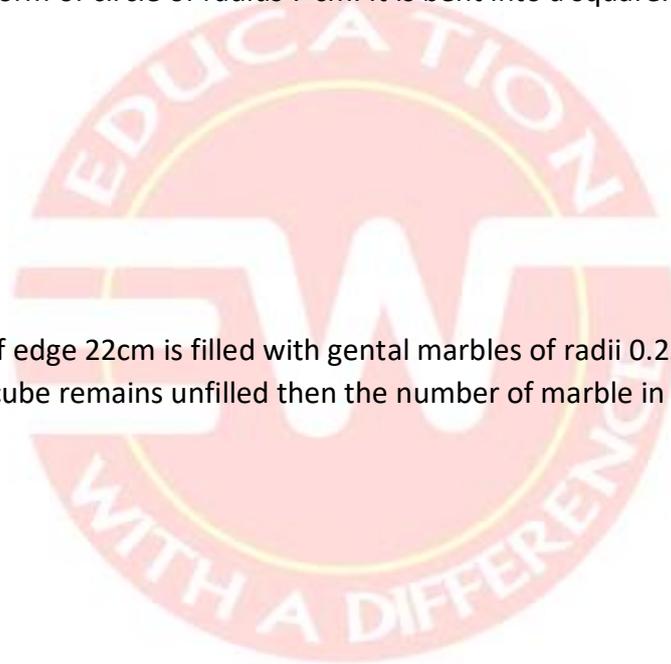
3) 9 : 16

4) 16 : 9

81. What is the area swept by the minute hand of a clock whose length is 12cm between 11 : 15 am and 11:50 am ?

1) $260cm^2$

2) $264cm^2$



3) 280cm^2

4) 284cm^2

82. A cylinder, a cone and a sphere have the same height and radius. What is the ratio of their volumes (in the same order)

1) $1 : 2 : 3$

2) $2 : 3 : 1$

3) $3 : 2 : 1$

4) $3 : 1 : 2$

83. When two dice are thrown, the probabilities of getting a sum of 7 on the dice is

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

2) $\frac{1}{5}$

3) $\frac{1}{6}$

4) $\frac{3}{4}$

84. The probabilities of having 53 Wednesday in a leap year is

1) $\frac{1}{7}$

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

3) $\frac{3}{7}$

4) 1

85. The probabilities that two friend Asha and Kiran have their birthdays falling on the same date in a year is

1) 0

2) 1

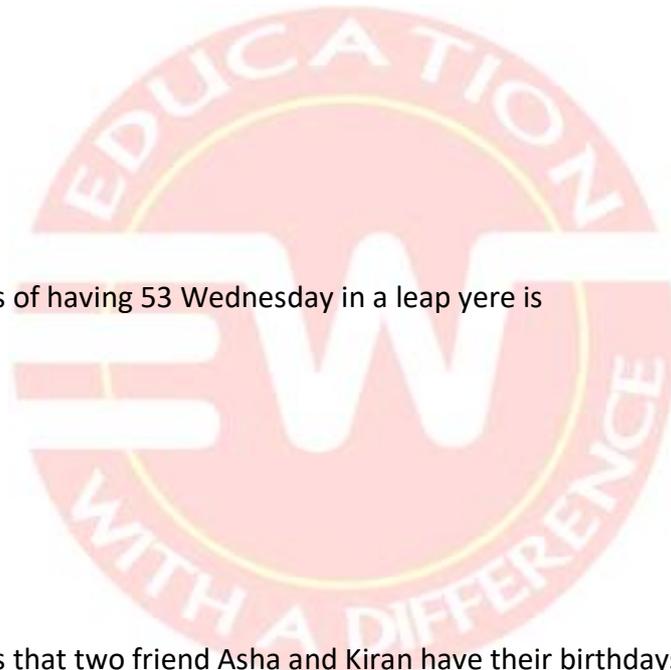
3) $\frac{1}{365}$

4) $\left(\frac{1}{365}\right)^2$

86. If the difference between the mode and the median of a given data is 36, then the difference between the median and the man of the data is

1) 12

2) 16



3) 18

4) 20

87. The value of x for which the mood of the following data is 67 is

Class Interval	40-50	50-60	60-70	70-80	80-90
Frequency	5	x	15	12	7

1) 7

2) 8

3) 9

4) 10

88. One card is drawn from a well shuffled pack of 52 playing cards. The probabilities that draw is not a face card is

1) $\frac{2}{13}$ 2) $\frac{5}{13}$ 3) $\frac{3}{13}$ 4) $\frac{10}{13}$ 89. The perimeter of two similar triangles ABC and PQR, such that $\Delta ABC \sim \Delta PQR$ 48cm and 36cm respectively. Then, the ratio of the areas of ΔABC and ΔPQR is

1) 4 : 3

2) 3 : 4

3) 9 : 16

4) 16 : 9

90. Which term of the arithmetic progression 5, 15, 25,.... is 140 more than its 31st term?

1) 40

2) 45

3) 50

4) 55

91. The number of three-digit numbers divisible by 8 are

1) 110

2) 112

3) 114

4) 116

92. PA and PB are tangents drawn from an external point P to circle such that PA is 10cm, $\angle APB = 60^\circ$ Then the length of the chord AB is

1) 5 cm

2) 10 cm

3) 15 cm

4) 20 cm

93. Find the smallest number which when divided by 25, 40 and 60 leaves remainder 7 in each case

1) 607

2) 608

3) 609

4) 610

94. ABCD is quadrilateral circumscribing a circle with centre O. If $\angle AOD = 75^\circ$, measure of $\angle BOC$ is

1) 75°

2) 85°

3) 95°

4) 105°

95. From a point on the ground, Ravi observes that the angle of elevation of an aeroplane flying a constant height of $3000\sqrt{3}$ m is 60° . After 30 seconds, he observes that the angle of elevation has changed to 30° . At what speed is the aeroplane flying?

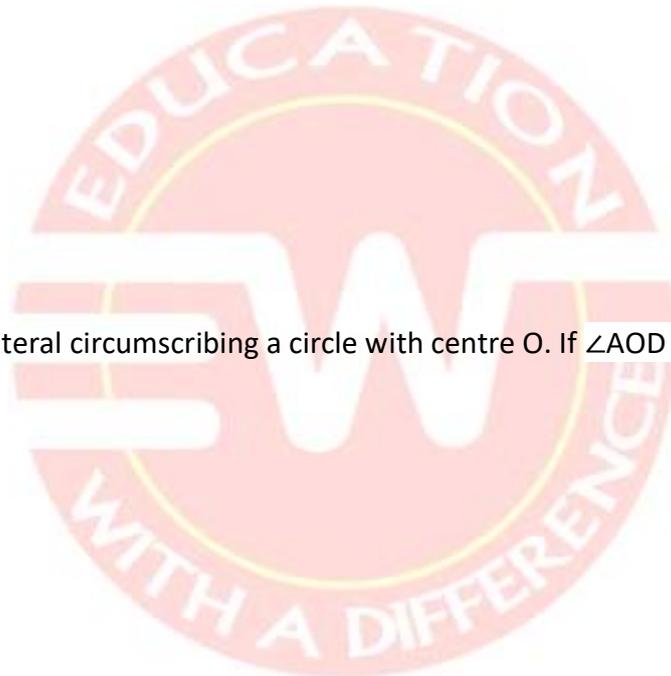
1) 100 m/s

2) 200 m/s

3) 3000 m/s

4) 1500 m/s

96. In an agricultural field, a cylindrical pipe of diameter 14 cm is used to irrigate a rectangular patch of land whose dimensions are 50 m by 44 m. If the water flows through the pipe at the rate of 5 km /hr, how much time will it take to get 7 cm of standing water in the field?



- 1) 1hr
- 2) 2 hrs
- 3) 3 hrs
- 4) 30 min

97. The value of $\frac{\cos^3\theta + \sin^3\theta}{\cos\theta + \sin\theta} + \frac{\cos^3\theta - \sin\theta}{\cos\theta - \sin\theta}$ is

- 1) 0
- 2) 1
- 3) 2
- 4) -1

98. The mean of the first n natural numbers is 15. Then n is equal to

- (a) 29 (b) 30 (c) 31 (d) 32

99. A toy is in the form of a hemisphere surmounted by a cone. The height of the conical part 4cm and its radius is 3 cm. Then, the total surface area of the toy is

- (a) 15π (b) 18π (c) 32π (d) 33π

100. AP and AQ are tangent drawn from an external point A to a circle with centre O. At a point the minor arc PQ, a tangent is drawn so as to meet AP at C and AQ at. If AP = 15cm perimeter of the ΔABC is

- 1) 15 cm
- 2) 20cm
- 3) 25 cm
- 4) 30cm

101. The number of polynomials that can be formed with -2 and 5 as its zeroes are

- 1) 0
- 2) 1
- 3) 2
- 4) Infinity

102. If one zero of the polynomial $(a^2 + 9)x^2 + 13x + 6a$ is the reciprocal of the value of a is

- 1) 1

2) 2

3) 3

4) 4

103. A fraction becomes $\frac{4}{5}$ when 1 is added to each of the numerator and denominator. If, however of 5 is subtracted from each of them, the fraction becomes $\frac{1}{2}$ fraction is

1) 4

2) 6

3) 7

4) 9

104. In the following table, the sum of the lower limits of the median class and the modal class is

Class Interval	0-20	20-40	40-60	60-80	80-100
Frequency	8	10	13	6	3

1) 60

2) 80

3) 100

4) 140

105. A milk vendor has 2.3 litres of goats milk, 69 litres of buffaloes' milk and 92 litres of cows milk. If he wants to pack them in cans so that each can contains same litres of milk and does not want to mix any two kinds of milk in a can, then the least number of cans required is

1) 6

2) 7

3) 8

4) 9

106. If the sum of the first 16 terms of an arithmetic progression is 1360 and first term is 10, then its 25th term is

1) 240

2) 250

3) 260

4) 300

107. Three circular pieces of cardboard, each of radius 3.5 cm, are placed on a table in such a way that each of them touches the other two. The area of the table enclosed between these three circles is ($\sqrt{3} = 1.73$)

- 1) 1.94cm^2
- 2) 19.25cm^2
- 3) 19.4cm^2
- 4) 21.19cm^2

108. The areas of two similar triangles are 121 cm^2 and 64cm^2 . If the median of the first triangle is 12.1 cm, then the corresponding median of the second triangle is

- 1) 8
- 2) 11
- 3) 8.8
- 4) 12.1

109. In a parallelogram ABCD, points P and Q are on the sides AB and CD such that $AP : PB = 3 : 2$ and $CQ : QD = 4 : 1$. If PQ meets AC at R, $AR : AC$ is equal to

- 1) 3 : 7
- 2) 4 : 7
- 3) 2 : 3
- 4) 3 : 4

110. If $(x + 1)$ and $(x - 2)$ are factors of $x^3 + (a + 1)x^2 - (b - 2)x - 6$, the values of a and b respectively are

- 1) 1, 7
- 2) -1, -7
- 3) 1, -7
- 4) 7, -1

111. A car covers a distance of 390 km with certain speed. If the speed had been 4km/hr more, it would have taken 2 hours less to cover the same distance. The original speed of the car

- 1) 20 km/hr
- 2) 26 km/hr
- 3) 30 km/hr

4) 32 km/hr

112. The cross section of a railway tunnel is in the shape of a square surmounted by a semicircle the height of the cross section at the centre is 10.5 m and the length of the tunnel is 50 m the cost of plastering the internal surface of the tunnel at the rate of Rs 10 per m^2

1) Rs 11000

2) Rs 11500

3) Rs 12000

4) Rs 12500

113. The reflection of the point (4, - 7) about the origin is

1) (4,7)

2) (-4, 7)

3) (4,-7)

4) (-4,-7)

114. The coordinates of the centroid of a triangle PQR are (2, - 5) If the coordinates of Q and R (- 6, 5) and (11, 8) respectively, the coordinates of P are

1) (7,8)

2) (-1,28)

3) (1, - 28)

4) (- 7, 8)

115. Sindhi Sweet Shop was placing an order for cardboard boxes for packing their sweets. They decided to order 250 boxes each of two different sizes. The larger box was to measure 20 cm \times 5 cm and the smaller one, If, for all the overlaps, 5% e 15 cm \times 12 cm \times 5 cm total surface area is required and the cost of cardboard is Rs 40 per m^2 the cost incurred by sweet shop to procure the boxes

1) Rs 2000

2) Rs 2184

3) Rs 2250

4) Rs 3000

116. What is the common difference of four terms in an AP such that the ratio of the product of 1st and fourth terms to that of the second and the third is 2:3 and the sum of all the four term 20?

1) 3

2) 1

3) 4

4) 2

117. Find the area of a segment of a circle of radius 21 cm, if the arc of the segment has a measure of 60° . ($\sqrt{3} = 1.73$)

1) 45.27cm^2 2) 41.6cm^2 3) 40.26cm^2

4) None of these

118. If a and b are the zeroes of the polynomial $px^2 - 5x + q$, then the values of p and q, if $a + b = ab = 10$ are

1) 5 and $\frac{1}{2}$

2) 5 and 2

3) $\frac{1}{2}$ and 5

4) 10 and 1

119. The radius of the cycle wheel is 14cm. The distance covered by the wheel in 50 rotations is

(1) 88cm

(2) 2200cm

(3) 440cm

(4) 4400cm

120. If the mean of x and $\frac{1}{x}$ is M, then the mean x^3 and $\frac{1}{x^3}$ is

(1) $M = \frac{M^2-3}{2}$ (2) $M(4M^2 - 3)$ (3) M^3 (4) $M^3 + 3$

SECTION- SOCIAL STUDIES

121. The custom of BEGAR in pre-independence era refers to –

(1) Entries family working in the same field at the same time

(2) Working in fields of landlords without any wages.

(3) Allowing juice of wells turn by turn

(4) Having a fixed ratio of crops among different village decided by sarpanch.

122. Indian were agitating against the Rowlatt Act because

(1) Because it denied Indians' right to protect against the British Government.

(2) It give power to detain political prisoners without trail for two years.

(3) It was enacted without representations of any Indian in British ruled in India.

(4) (2) and (3)

123. Fossil fuel is an example of :

(1) Non-renewable resource

(2) Biotic resource

(3) Renewable resource

(4) National resource

124. Cereals and pulses grow well in

(1) Black soil

(2) Laterite soil

(3) Alluvial soil

(4) Arid soil

125. What percent of their deposits do banks hold as cash

(1) 50 percent

(2) 15 percent

(3) 80 percent

(4) 35 percent

126. Modern form of money includes

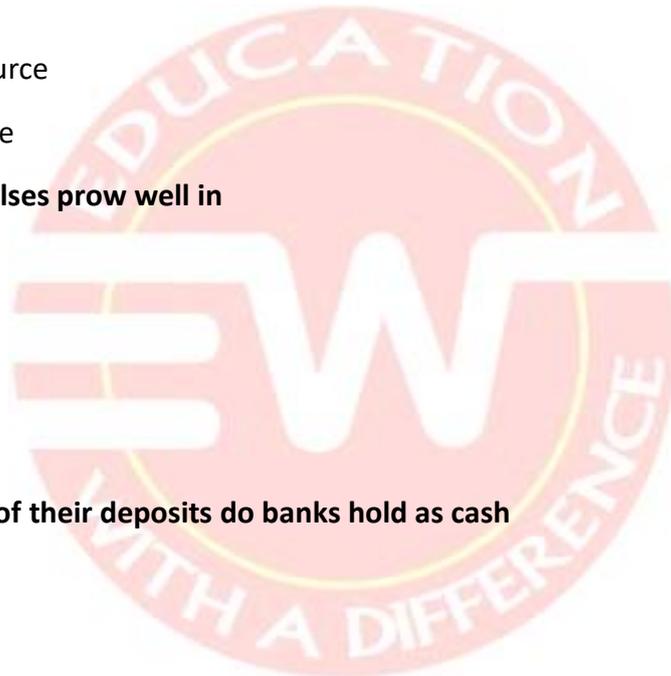
(1) Paper notes, coins and bank deposits

(2) Dollars and Rupees

(3) Paper notes, coins and gold bonds

(4) Coins

127. Which of the following is missing from a non-democratic government



- (1) Economic equality
- (2) Economic growth
- (3) Transparency
- (4) Welfare of public

128. The demand of Purna Swaraj (Complete independence) was formalised during which session of the Indian National Congress

- (1) Belgam session of 1924
- (2) Calcutta session of 1928
- (3) Lahore Session of 1929
- (4) Karachi session of 1931

129. The Salt March (Dandi March) marked the beginning of the

- (1) Attack on traders of British goods
- (2) Boycott of civil services by Indians
- (3) Agitation of the farmers of the United Province
- (4) Civil Disobedience movement

130. The major cause of land degradation in Punjab is

- (1) Intensive Cultivation
- (2) Deforestation
- (3) Over grazing
- (4) Over irrigation

131. The major coffee producing state in our country is

- (1) Karnataka
- (2) Telangana
- (3) Gujarat
- (4) Maharashtra

132. What do you understand by 'Collateral

- (1) It is the guarantee given by the lender to the borrower
- (2) It is the total sum of money with a person
- (3) It is the security to the lender until the loan is repaid
- (4) It is the money a person receives through his provident fund

133. In which of the following terms democracies differ from one another

- (1) Social situation
- (2) Culture
- (3) Economic activities
- (4) All the above

134. Medium of exchange is called as

- (1) Wealth
- (2) GDP
- (3) Money
- (4) Income

135. Who was the head of Oudh Kisan Sabha

- (1) Ashfaqullah
- (2) Jawaharlal Nehru
- (3) Kunwar Singh
- (4) Bijli Passi

136. _____ was the female allegory which represented the peoples nation in France

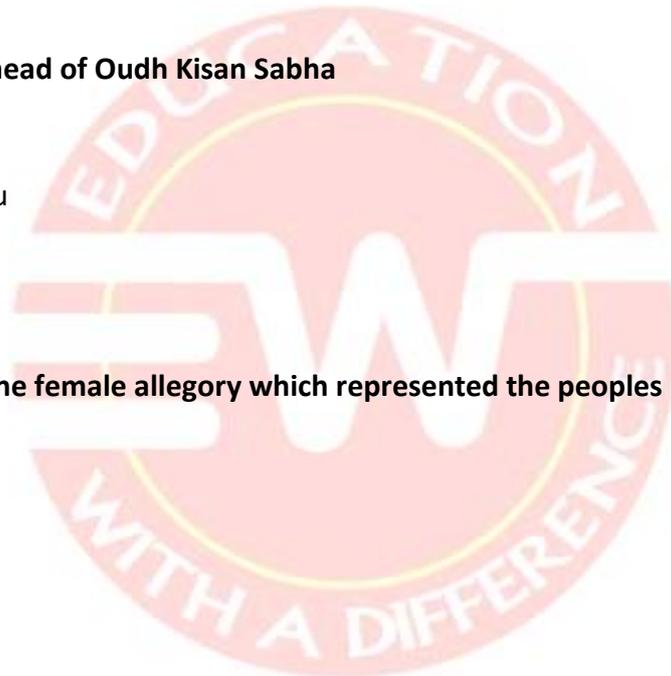
- (1) Marianne
- (2) Germania
- (3) Bharat Mata
- (4) Monalisa

137. The purpose of Bhoodan was to

- (1) To free the landless farmers of the debt
- (2) Distribute land among landless farmers
- (3) To educate the farmers about the use of organic pesticides
- (4) To bring irrigation facilities to the fields in the arid land

138. What is main source of income of banks

- (1) Interest on loans
- (2) Selling of collaterals of the loan defaulters
- (3) Interest earned on investments



(4) Difference between the interests charged on borrowers and depositor

139. The process of rapid integration or interconnection between countries is called as

- (1) Globalisation
- (2) Liberalisation
- (3) MNC's
- (4) Privatisation

140. Which of the following is NOT TRUE with reference to democracy

- (1) Democratic government is a legitimate government,
- (2) Democratic government take decisions very fast
- (3) Democratic government is accountable government
- (4) Decision making in democracies is based on norms and procedure.

141. The act of union between _____ and _____ resulted in the formation of the United Kingdom of the Great Britain

- (1) Russia and England
- (2) England and Prussia
- (3) England and Scotland
- (4) England and France

142. Who played the key role unifying Germany

- (1) Kaiser William –I
- (2) Metternich
- (3) Adolph Hitler
- (4) Otto Von Bismarck

143. Kandla and Ramagundam are in the states of _____ and respectively

- (1) Maharashtra- Gujarat
- (2) Gujarat- Telangana
- (3) Gujarat- Andhra Pradesh
- (4) Telangana- Gujarat

144. Crops that are grown with the onset of monsoon are

- (1) Kharif Crops
- (2) Rabi crops
- (3) Zaid crops
- (4) Zaid and Rabi crops

145. The main aim to form 'World Trade Organisation (WTO)' was to-

- (1) To promote the trade of rich countries
- (2) To liberalise international trade
- (3) To promote the trade of poor countries

(4) To promote the trade of poor countries

146. Special Economic Zones (SEZs) have been set up to attract-

- (1) Foreign investments
- (2) Trade of foreign goods in international market
- (3) Foreign policies
- (4) Tourism industry

147. Which of the following is NOT A FEATURE of federalism

- (1) There are two or more levels of government
- (2) Different tiers of government govern the same citizens
- (3) The central government can order the state government
- (4) Sources of revenue for each level of government are clearly specified

148. Jacobin Clubs were spreading the idea of

- (1) Awareness against epidemics
- (2) Inspiring the youth to join military services
- (3) Values of sports among the youth
- (4) Nationalism

149. The main cause of farmers' suicide in our country is

- (1) Their land is forcibly grabbed by the businessmen for industrial activities
- (2) Village landlords are not permitting them to switch over from agriculture to other occupation
- (3) They are unable to afford high prices of fertilizers, electricity and irrigation
- (4) Their inability to repay loans due to crop failure

150. Who remarked

When France sneezes, the rest of Europe catches cold

- (1) Napoleon
- (2) Metternich
- (3) Hitler
- (4) Winston Churchill