## NICSCC_B04

1. Choose from the alternatives a word which is nearest in meaning (Synonym) to 'KIOSK'
A) Store
B) Shop
C) Booth
D) Mall
2. Choose from the alternatives a word which is nearest in meaning (Synonym) to 'FRUGAL'
A) Thrifty
B) Intolerant
C) Eager
D) Durable
3. Choose from the alternatives a word which is nearest in meaning (Synonym) to 'EXUBERANT'
A) Memorable
B) Prolific
C) Chaotic
D) Illegal
4. Choose from the alternatives a word which is nearest in meaning (Synonym) to ‘TRANSCEND'
A) Attend
B) Install
C) Warrant
D) Surpass
5. Choose the most suitable meaning of the idiom, 'To cast one's net wide':
A) to smile wildly $\quad$ B) to avoid a serious problem
C) to cover a wide field of activities
D) to be out of a trying situation
6. Choose the most suitable meaning of the idiom, 'To make ducks and drakes':
A) to quarrel like fool
B) to move vigorously
C) to squander
D) to die fighting
7. Choose the most appropriate word opposite (Antonym) in meaning to the word, 'VENERATE'
A) Alter
B) Abuse
C) Reverse
D) $\quad$ Veer
8. Choose the most appropriate word opposite (Antonym) in meaning to the word, 'SUBLIME'
A) Inferior
B) Deficit
C) Lofty
D) Crooked
9. Choose the most appropriate word opposite (Antonym) in meaning to the word, ‘DISBAND'
A) Affect
B) Increase
C) Mobilize
D) Isolate
10. Choose the most appropriate word opposite (Antonym) in meaning to the word, 'SUPERFICIAL'
A) Thorough
B) Dishonest
C) Faithful
D) Forged
11. Fill in the blank with the most appropriate option:

The C.M. has given his consent to preside___ the meeting.
A) for
B) about
C) over
D) $\quad \mathrm{on}$
12. The criminal together with his associates $\qquad$ arrested.
A) are
B) was
C) were
D) have
13. Change the following into Direct Voice:

My friend prayed that God might help me.
A) My friend said, "May God help you!"
B) My friend said that "God might help me!"
C) My friend prayed, "God help me!"
D) none of the above
14. The appropriate meaning of 'El Dorado' is:
A) an attainable thing
B) an approachable thing
C) an unattainable thing
D) an invincible thing
15. The term for a group of girls or young women is:
A) bevy
B) womanizer
C) lady club
D) lass
16. What does the idiom 'Penelope's web' mean?
A) a complicated web
B) a complicated situation
C) an unending work
D) an unending life
17. Choose the correct answer from the given options. 'To fly off the handle' means:
A) to break something
B) to be indifferent
C) to act foolishly
D) to get into a rage and lose self-control.
18. Complete the following proverb:
'Handsome is that $\qquad$ does.'
A) beautiful
B) ugly
C) handsome
D) intelligent
19. Fill in the blank.

The $\qquad$ is setting up the wooden framework for the paintings.

| A) artifact | B) artistic |
| :--- | :--- |
| C) artistry | D) artisan |

20. Arrange the given parts of the sentence in the correct sequence to make a meaningful sentence.
P. you are destined to
Q. the only person
$R$. become is the person
S. you decide to be
A) QPSR
B) $\quad \mathrm{RSPQ}$
C) QPRS
D) PSRQ
21. The noun 'web' is from the verb:
A) weben
B) weave
C) wool
D) webb
22. 'Neighbour' is:
A) Masculine gender
B) Neuter gender
C) Common gender
D) Feminine gender
23. The personal outfit of a bride; clothes, accessories, and linens are referred to as:
A) marriage dress
B) marriage veil
C) marriage kit
D) trousseau
24. Mark the correct spelling
A) Iriconiliable
B) Irriconciliable
C) Irreconcilable
D) Irreconceliable
25. Choose the correctly punctuated sentence:
A) "You know, he isn't dead, sir!"
B) "You know he isn't dead, sir."
C) "You know, he isn't dead, sir"
D) "You know-he isn't dead-sir!"
26. Rs. 5490 was partly invested in Scheme A at $10 \%$ PA compound interest (compounded annually) for 2 years and partly in Scheme B at 10\% PA simple interest for 4 years. Both the schemes earn equal interests. Total interest obtained from both the schemes is:
A) Rs. 756
B) $\quad \mathrm{Rs} .842$
C) Rs. 1684
D) $\quad \mathrm{Rs} .1512$
27. The difference between compound interest and simple interest at the same rate of interest $R \%$ per annum on an amount of Rs. 22500 for 2 years is Rs. 144. What is the value of $R$ ?
A) 8
B) 9
C) 10
D) 12
28. $\quad P$ takes three times as long as $Q$ and $R$ together to do a job. $Q$ takes four times as long as $P$ and $R$ together to do the same work, If all three, working together can complete the job in 18 days, then the number of days, $P$ alone will take to finish the job is:
A) 36 days
B) 54 days
C) 72 days
D) 45 days
29. In the figure, O is the centre of the circle. AO ' and $\mathrm{BO}^{\prime}$ are the angle bisectors of $\angle O A B$ and $\angle O B A$ respectively and $\angle A L B=40^{\circ}$. The measure of $\angle A O^{\prime} B$ is:

A) $130^{\circ}$
B) $160^{\circ}$
C) $100^{\circ}$
D) $120^{\circ}$
30. If a driver divides his journey into 3 equal parts and travels the three parts with speeds of 36,60 and $66 \mathrm{~km} / \mathrm{hr}$ respectively. The average speed for the whole journey is:
A) $48 \mathrm{~km} / \mathrm{h}$
B) $\quad 54 \mathrm{~km} / \mathrm{h}$
C) $\quad 58.3 \mathrm{~km} / \mathrm{h}$
D) $\quad 50.3 \mathrm{~km} / \mathrm{h}$
31. Two men $P$ and $Q$ start from a place walking at $5 \mathrm{~km} / \mathrm{h}$ and $4.5 \mathrm{~km} / \mathrm{h}$ respectively. What is the time they will take to be 38 km apart, if they walk in opposite directions?
A) 4 hours
B) 4 hours 30 minutes
C) 6 hours 45 minutes
D) 9 hours 30 minutes
32. The sum of the possible solutions of the equation $x^{2 / 3}+x^{1 / 3}=2$ is:
A) 9
B) 8
C) $\quad-7$
D) -8
33. The sum of three positive numbers is 36 and their product is 1170 . If the sum of two numbers is equal to third number. The sum of squares of these numbers is:
A) 432
B) 926
C) 456
D) 518
34. If $26.7059=2 A+\frac{6}{B}+7 C+5 D+\frac{9}{E}$, then the value of $5 \mathrm{~A}+3 \mathrm{~B}+4 \mathrm{C}+\mathrm{D}+7 \mathrm{E}$ is:
A) 56.4017
B) $\quad 53.4017$
C) 70052.401
D) 70051.901
35. Which is the closest approximation of $1.3333 \times 0.0909 \times 0.4999 \times 2.666 \times 33 \times 0.09999$ ?
A) $\frac{2}{9}$
B) $\frac{2}{11}$
C) $\frac{8}{15}$
D) $\frac{1}{5}$
36. If $8 \times 5=32,9 \times 7=54$ and $7 \times 8=49$, then $6 \times 8$ is equal to
A) 35
B) 48
C) 42
D) 64
37. What is the value of P in the following equation? $25^{4.5} \times 25^{P}=25^{8}$
A) 2.5
B) $\quad 4.1$
C) 4.5
D) $\quad 3.5$
38. Find the single discount equivalent to two successive discounts of $30 \%$ and $20 \%$.
A) $40 \%$
B) $42 \%$
C) $44 \%$
D) $46 \%$
39. On a 30\% discount sale, an article costs Rs. 798 . What was the original price of the article?
A. Rs. 1100
B) Rs. 1140
C. Rs. 1180
D) Rs. 1190
40. By selling an article at Rs. 900, a shopkeeper makes a profit of $25 \%$. At what price should he sell it so as to make a loss of $25 \%$ ?
A) $\quad \mathrm{Rs} 480$
B) $\quad \mathrm{Rs} 500$
C) $\quad \mathrm{Rs} 450$
D) $\quad \mathrm{Rs} 540$
41. A shopkeeper bought 150 show pieces at the rate of Rs. 500 per show piece. He spent Rs. 500 on transportation and packing. If the marked price of show piece is Rs. 570 per show piece and the shopkeeper gives a discount of $5 \%$ on the marked price then what will be the percentage profit gained by the shopkeeper?
A) $7.58 \%$
B) $\quad 6.23 \%$
C) $5.52 \%$
D) $\quad 4.65 \%$
42. A train covers a certain distance at a speed of 180 kmph in 4 hours. To cover the same distance in $1 \frac{1}{2}$ hours, it must travel at a speed of:
A) 480 kmph
B) 440 kmph
C) 460 kmph
D) 840 kmph
43. Excluding stoppages, the speed of a train is 60 kmph and including stoppages, it is 55 kmph. For how many minutes does the bus stop per hour?
A) 3
B) 5
C) 7
D) 9
44. $2+\sqrt{2}$ is
A) an integer
B) a rational number
C) an irrational number
D) none of these
45. The number 1.732 is
A) an integer
B) an irrational number
C) a rational number
D) a whole number
46. If $\frac{x-2}{4}-\frac{3 x+5}{7}=-3$, then the value of $x$ is
A) -10
B) 14
C) 10
D) 12
47. My father's age divided by 3 is equal to my brother's age divided by 2 . My brother is 5 years older than me. My father's age is 5 less than 2 times my age. Age of my father is
A) 30 years
B) 50 years
C) 55 years
D) 45 years
48. The value of $\cos 30^{\circ} \cos 15^{\circ}-\sin 30^{\circ} \sin 15^{\circ}$ is
A) $\sqrt{2}$
B) $\frac{1}{\sqrt{2}}$
C) $\frac{1}{2}$
D) $\frac{\sqrt{3}}{2}$
49. If $4 \cot 3 \theta-4=0$, then the value of $\theta$ is
A) $15^{\circ}$
B) $90^{\circ}$
C) $45^{\circ}$
D) $30^{\circ}$
50. If $\tan A=\frac{4}{3}$, then the value of $\frac{\sin A-\cos A}{\sin A+\cos A}$ is
A) $\frac{1}{3}$
B) $\frac{7}{3}$
C) $\frac{3}{7}$
D) $\frac{1}{7}$
51. Three numbers are in the ratio $1: 2: 3$. The ratio of the reciprocals of the numbers is
A) $\quad 2: 3: 6$
B) $3: 2: 1$
C) $1: 3: 2$
D) $6: 3: 2$
52. The average age of a class of students is 22 years. 5 students who together aged 110 years leave the class and 3 students who together aged 66 years join the class. The new average age of class is
A) 23
B) 22
C) 21
D) can't be determined
53. Three different varieties of rice each cost Rs 20, 30 and 40 per kg respectively. A shopkeeper buys each of the varieties in ratio of $3: 4: 5$ by weight and mixes them together. He then sells the mixture at a profit of $20 \%$. The per kg selling price of the mixture is
A) $\quad \mathrm{Rs} 38$
B) $\quad \mathrm{Rs} 32$
C) $\quad \mathrm{Rs} 35$
D) $\quad \mathrm{Rs} 36$
54. The value of $\frac{\left((1.4)^{2}+(0.4)^{2}+3.36\right)}{0.8 X 13.4 X 0.2-0.96 X 0.7 X 2}+\sqrt[3]{\frac{343}{512}}$ :
A) 7.025
B) $\quad 6.725$
C) 5.725
D) $\quad 7.725$
55. How many digits will be there to the right of the decimal point in the product of 94.75 and .02556?
(A) 5
(B) 6
(C) 7
(D) 8
56. Study the following information carefully and answer the given question.

Eight students are sitting around a circular table in which some are facing towards the center while some are facing outside the center. E sits third to the right of D. Only two persons sit between $G$ and $B$ and both are facing in the same direction. $A$ sits third to the right of the one who sits second to the left of $G$. $F$ is neither immediate neighbor of $G$ nor $B$. $C$ sits third to the right of $F$ who sits opposite to $H$. $G$ is facing same direction as $D$ but opposite to C and A . E sits second to the right of H who is facing same direction as F . B and $D$ face each other. $E$ faces towards the center.

Who among the following sits third to the right of A ?
A) $E$
B) $\quad \mathrm{F}$
C) $D$
D) G
57. Study the following information carefully and answer the given question.

Eight students are sitting around a circular table in which some are facing towards the center while some are facing outside the center. E sits third to the right of D. Only two persons sit between $G$ and $B$ and both are facing in the same direction. $A$ sits third to the right of the one who sits second to the left of $G$. $F$ is neither immediate neighbor of $G$ nor B. C sits third to the right of $F$ who sits opposite to $H$. $G$ is facing same direction as $D$ but opposite to $C$ and $A$. $E$ sits second to the right of $H$ who is facing same direction as $F$. $B$ and $D$ face each other. $E$ faces towards the center.

Who among the following sits opposite to C ?
A) $B$
B) E
C) H
D) A
58. Study the following information carefully and answer the given question.

Eight students are sitting around a circular table in which some are facing towards the center while some are facing outside the center. E sits third to the right of D. Only two persons sit between $G$ and $B$ and both are facing in the same direction. $A$ sits third to the right of the one who sits second to the left of $G$. $F$ is neither immediate neighbor of $G$ nor B. $C$ sits third to the right of $F$ who sits opposite to $H$. $G$ is facing same direction as $D$ but opposite to $C$ and $A$. $E$ sits second to the right of $H$ who is facing same direction as $F$. $B$ and $D$ face each other. $E$ faces towards the center. How many persons sit between $D$ and $H$, when counting left of $D$ ?
A) Four
B) Three
C) Two
D) One
59. Study the following information carefully and answer the given question.

Eight students are sitting around a circular table in which some are facing towards the center while some are facing outside the center. E sits third to the right of D. Only two persons sit between $G$ and $B$ and both are facing in the same direction. A sits third to the right of the one who sits second to the left of $G$. $F$ is neither immediate neighbor of $G$ nor B. $C$ sits third to the right of $F$ who sits opposite to $H$. $G$ is facing same direction as $D$ but opposite to $C$ and $A$. $E$ sits second to the right of $H$ who is facing same direction as $F$. $B$ and $D$ face each other. $E$ faces towards the center.
What is the position of $B$ with respect to $F$ ?
A) Third to the left
B) Immediate right
C) Immediate left
D) None of the above
60. Read the following information carefully and answer the question given below: In a certain code language:
"filter water found everywhere" is coded as "bhu man juk lop"
"found lost items everywhere" is coded as " gan bhu nut juk"
"apply filter search items" is coded as " vax der man nut"
"found water desert search" is coded as "but juk der lop"
How "found filter" will be coded in the language?
A) nut jok
B) juk bhu
C) man but
D) juk man
61. Study the following information carefully and answer the given question:

In a certain code language,
"he who seeks truth" is written as " 3 ma 2 co 2 he 3 mx "
"Truth is a complicated term" is written as " 3 mx 2 mh 2la 2 sa 20 x "
"Lord seeks truth" is written as " 3 mx 2 he 3 kl "
"Who is term of lord" is written as " 3 kl 2 mh 2 co 2 ze 2 ox "
What does the code " $20 x$ " stands for in the given code language?
A) Truth
B) is
C) term
D) Either B or C
62. Study the following information carefully and answer the given question:

In a certain code language,
"he who seeks truth" is written as " 3 ma 2 co 2 he 3 mx "
"Truth is a complicated term" is written as " 3 mx 2 mh 2 la 2 sa 20 x "
"Lord seeks truth" is written as " 3 mx 2 he 3 kl "
"Who is term of lord" is written as " 3 kl 2 mh 2 co 2 ze 2 ox "

Which of the following could be the code for "a complicated term"?
A) $\quad 2 \mathrm{la} 2 \mathrm{sa} 2 \mathrm{mh}$
B) $\quad 2 \mathrm{sa} 2 \mathrm{la} 2 \mathrm{ox}$
C) $2 o x 2 s a 2 m h$
D) Either A or B
63. Pointing to a photograph, a man said, "I have no brother, and that man's father is my father's son." Whose photograph was it?
A. His son
B. His own
C. His father
D. His nephew
64. Arrange the following words in a meaningful sequence.

1. Infection
2. Consultation
3. Doctor
4. Treatment
5. Recovery
A. $\quad 1,3,4,5,2$
B. $1,3,2,4,5$
C. $1,2,3,4,5$
D. $2,3,5,1,4$
6. Given below is a question and two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question.

Eight persons are standing in a row and all of them face in the south direction. What is the position of K with respect to C ?
Statement I: $P$ sits exactly between $B$ and $R$. A sits to the left of $D$ who is an immediate neighbor of $M$. $K$ doesn't sit at the extreme end.
Statement II: $\quad \mathrm{C}$ sits third to the right of R. Only one person sits between P and C . P is the only neighbor of $R$. Two persons sit between $K$ and $D$ who sits at extreme end.
A) If the data in statement I alone is sufficient to answer the question, while data in statement II alone is not sufficient to answer the question.
B) If the data in statement II alone is sufficient to answer the question, while data in statement I alone is not sufficient to answer the question.
C) If the data in either statement I alone or in statement II alone is sufficient to answer the question.
D) If the data in both statement I and II together are not sufficient to answer the question.
66. Study the following information carefully and answer the given question:

Ten candidates namely P, Q, R, S, T, U, V, W, X, Y, Z attended an interview but not necessarily in the same order. The interview was conducted from Monday to Friday of the same week. Each day, two candidates were interviewed on two different time slots, that is, 9:00 AM and 2:00 PM. X has an interview on Tuesday at 9:00 AM. The number of people who have interview between $V$ and $S$ is same as the number of people who have interview between $R$ and W. Q has his interview immediately before $X$. $X$ does not have interview on any of the days before V . The one who has interview at 9:00 AM has his interview immediately before Y . W does not have interview at 2:00 PM. S has his interview immediately after the day of one candidate who has interview on Monday. $U$ does not have interview at 2:00 PM. S does not have interview on any one of the days after T. Only three people have interviews between V and T . Neither T nor V have interview on Friday. Only two people have interview between $U$ and $Y$. $U$ does not have interview on any of the days after W .

Which one of the following is correctly matched?
A) $\quad \mathrm{S}$ - Monday
B) $\quad$ R - Tuesday
C) V - Friday
D) T-Wednesday
67. Study the following information carefully and answer the given question:

Ten candidates namely P, Q, R, S, T, U, V, W, X, Y, Z attended an interview but not necessarily in the same order. The interview was conducted from Monday to Friday of the same week. Each day, two candidates were interviewed on two different time slots, that is, 9:00 AM and 2:00 PM. X has an interview on Tuesday at 9:00 AM. The number of people who have interview between V and S is same as the number of people who have interview between $R$ and $W$. $Q$ has his interview immediately before $X$. $X$ does not have interview on any of the days before V . The one who has interview at 9:00 AM has his interview immediately before Y . W does not have interview at 2:00 PM. S has his interview immediately after the day of one candidate who has interview on Monday. U does not have interview at 2:00 PM. S does not have interview on any one of the days after T. Only three people have interviews between V and T . Neither T nor V have interview on Friday. Only two people have interview between $U$ and $Y$. $U$ does not have interview on any of the days after W .

Who among the following have interview on Friday?
A) $\quad X$ and $T$
B) $\quad W$ and $Y$
C) $\quad Q$ and $P$
D) $\quad \mathrm{T}$ and R
68. Statements:
I) All heroes are villains.
II) All villains are zeros.
III) Some heroes are jokers.

Conclusion:
I) Some Jokers are heroes
II) Some villains are jokers
III) Some zeros are villains
A. Only I, II follow
B. All I, II, III follows
C. Only I, III follow
D. Only II, III follow
69. The neighbourhood block association has received many complaints about people knocking on doors and soliciting money for an unknown charity organization even though door-to-door solicitation is prohibited by local laws. Three residents have provided descriptions of individuals who have come to their door asking for money.

Solicitor \#1 is a white male, 20-25 years old, 5'9", 145 pounds, with very short brown hair. He was wearing a dark blue suit and carrying a brown leather briefcase.
Solicitor \#2 is a white male, 25-30 years old, 6'2", 200 pounds, with a shaved-head. He was wearing a red T-shirt and jeans.
Solicitor \#3 is a white male, approximately 23 years old, 5'10", and slight build, with short brown hair. He was wearing a blue suit.
Three days after the block association meeting, a resident noticed a man knocking on doors in the neighbourhood and phoned the police to report the illegal activity. This solicitor was described as follows:
Solicitor \#4 is a white male, 22 years old, 140 pounds, about $5^{\prime} 10$ ", with short brown hair. He was carrying a briefcase and wearing a dark suit.
Based on this description, which of the three solicitations was also likely carried out by Solicitor \#4?
A. \#1, \#2, and \#3
B. \#1, but not \#2 and \#3
C. \#1 and \#3, but not \#2
D. \#1 and \#2, but not \#3
70. Rita, an accomplished pastry chef who is well known for her artistic and exquisite wedding cakes, opened a bakery one year ago and is surprised that business has been so slow. A consultant she hired to conduct market research has reported that the local population does not think of her shop as one they would visit on a daily basis but rather a place they'd visit if they were celebrating a special occasion. Which of the following strategies should Rita employ to increase her daily business?
A. making coupons available that entitle the coupon holder to receive a $25 \%$ discount on wedding, anniversary, or birthday cakes
B. exhibiting at the next Bridal Expo and having pieces of one of her wedding cakes available for tasting
C. placing a series of ads in the local newspaper that advertise the wide array of breads
D. moving the bakery to the other side of town
71. Assuming the given statement to be true, find which of the given four conclusions numbered I, II, III and IV is/are definitely true.
Statements: $P \geq S<R, T=Q>P, U \leq L<T$
Conclusions: $\mathrm{I}: \mathrm{T}>\mathrm{S}$
II: $R \geq T$
III: $U=P$
IV: $Q>L$
A) Only I is true
B) Only III is true
C) Only I and IV are true
D) None of these.
72. Assuming the given statement to be true, find which of the given four conclusions numbered I, II, III and IV is/are definitely true.
Statements: $\mathrm{A}=\mathrm{C} \geq \mathrm{E}=\mathrm{B}, \mathrm{F} \leq \mathrm{G}=\mathrm{D}<\mathrm{A}$
Conclusions: I: $\mathrm{F} \leq \mathrm{E}$
II: $A>G$
III: $A \geq B$
IV: $F<A$
A) All I, II, III and IV are true
B) Only II, III and IV are true
C) Only I and II are true
D) None of these.
73. Answer the question based on the following six numbers:
$\begin{array}{llllll}312 & 876 & 156 & 285 & 734 & 954\end{array}$
If we add 2 to the second digit of each number and subtract 1 from the first digit of each number, then which of the given will become the lowest number?
A) 312
B) 876
C) 156
D) 285
74. Answer the question based on the following six numbers:

| 312 | 876 | 156 | 285 | 734 | 954 |
| :--- | :--- | :--- | :--- | :--- | :--- |

In each number, if we subtract 1 from first digit and add 1 in last digit, then which among these the following will be $2^{\text {nd }}$ lowest number?
A) 734
B) 876
C) 954
D) 285
75. Answer the question based on the following six numbers:

| 312 | 876 | 156 | 285 | 734 | 954 |
| :--- | :--- | :--- | :--- | :--- | :--- |

If we replace all the odd digits in each number with zero, then which of the following will become the lowest?
A) 312
B) 876
C) 156
D) $\quad 734$
76. $999+9.99-9.9+9.99=$ ?
A) 1011.98
B) $\quad 1009.08$
C) 1009.68
D) $\quad 992.16$
77. Solve the given quadratic equations and mark the correct option from the following:
$X^{2}-25 X+156=0$
$Y^{2}-21 Y+108=0$
A) $\quad X<Y$
B) $\quad X>Y$
C) No relation can be established between $X$ and $Y$.
D) $\quad X \geq Y$
78. A man purchased three types of items in the ratio of 2:3:4 and their cost price are Rs. 300, Rs. 500 and Rs. 700 respectively. If he sold first, second and third type of items at $10 \%$, $5 \%$ and $4 \%$ profit respectively, then find his overall approximate profit percentage?
A) $7 \%$
B) $2 \%$
C) $5 \%$
D) None of the above.
79. $A, B$ and $C$ invest in a partnership in the ratio of $5: 3: 7$ and investment of $A$ is Rs. 200 less than investment of $C$. Partner B invests for $1 / 5^{\text {th }}$ of total time of investment while Partner A and Partner C invest for $1 / 12^{\text {th }}$ and $1 / 15^{\text {th }}$ respectively of total time of investment. If profit of $B$ is Rs. 800 more than that of $C$, then find profit of $A$.
A) Rs. 1000
B) Rs. 2500
C) Rs. 1400
D) Rs. 3600
80. The sides of a rectangle are in the ratio of 5:4 (Length: Breadth). If the length is increased by 3 cm and breadth is reduced by $37.5 \%$, the new area obtained is $150 \mathrm{~cm}^{2}$ less than the original area. Find the perimeter of the rectangle?
A) 72 cm
B) $\quad 90 \mathrm{~cm}$
C) 100 cm
D) None of the above.
81. Two pipes $A$ and $B$ can fill 20 gallons and 30 gallons of water in one hour respectively and the third pipe C can empty 'x' gallons of water in an hour. If all the three are opened together, the tank gets filled in 15 hours, and when pipe $A$ and $B$ are opened together the tank gets filled in 12 hours, then find how much gallons of water are drained by pipe C in an hour?
A) 30
B) 40
C) 50
D) 10
82. The ratio of speeds of a tiger and horse is $3: 2$. Both start from place $A$ at the same time and reach place $B$, which is 75 km away from place $A$ at the same time as the tiger lost about 12.5 minutes while hunting a deer. Find the speed of the horse.
A) $120 \mathrm{Km} / \mathrm{h}$
B) $150 \mathrm{Km} / \mathrm{h}$
C) $80 \mathrm{Km} / \mathrm{h}$
D) $70 \mathrm{Km} / \mathrm{h}$
83. The table gives information regarding the panchayat elections held in five villages.

| Village | Total available <br> Votes | Votes Polled (in <br> $\%)$ | Valid Votes (in \%) |
| :--- | :--- | :--- | :--- |
| A | 50,000 | 70 | 80 |
| B | 40,000 | 75 | 60 |
| C | 75,000 | 80 | 75 |
| D | 100,000 | 75 | 72 |
| E | 80,000 | 90 | 70 |

Note: Percentage of votes polled $=\frac{\text { total votes polled }}{\text { total voters }} \times 100$
Percentage of valid votes $=\frac{\text { total valid votes }}{\text { total votes polled }} \times 100$
Invalid votes of village $B \& C$ together is what percent of total votes polled in village $C$ \& $E$ together?
A) $\frac{225}{11} \%$
B) $\frac{270}{11} \%$
C) $\frac{234}{11} \%$
D) None of the above.
84. The table gives information regarding the panchayat elections held in five villages.

| Village | Total available <br> Votes | Votes Polled (in <br> \%) | Valid Votes (in \%) |
| :--- | :--- | :--- | :--- |
| A | 50,000 | 70 | 80 |
| B | 40,000 | 75 | 60 |
| C | 75,000 | 80 | 75 |
| D | 100,000 | 75 | 72 |
| E | 80,000 | 90 | 70 |

Note: Percentage of votes polled $=\frac{\text { total votes polled }}{\text { total voters }} \times 100$
Percentage of valid votes $=\frac{\text { total valid votes }}{\text { total votes polled }} \times 100$
Difference between valid votes and invalid votes of village $E$ is approximately what percent of total votes available in village A?
A) $67 \%$
B) $58 \%$
C) $54 \%$
D) $62 \%$
85. The table gives information regarding the panchayat elections held in five villages.

| Village | Total available <br> Votes | Votes Polled (in <br> $\%)$ | Valid Votes (in \%) |
| :--- | :--- | :--- | :--- |
| A | 50,000 | 70 | 80 |
| B | 40,000 | 75 | 60 |
| C | 75,000 | 80 | 75 |
| D | 100,000 | 75 | 72 |
| E | 80,000 | 90 | 70 |

Note: Percentage of votes polled $=\frac{\text { total votes polled }}{\text { total voters }} \times 100$
Percentage of valid votes $=\frac{\text { total valid votes }}{\text { total votes polled }} \times 100$
Find the invalid votes in village $C$ and $D$ together is approximately what percent more or less than the invalid votes in village $A, B$ and $E$ together?
A) $17 \%$
B) $7 \%$
C) $14 \%$
D) None of the above.
86. Following two statements (I) \& (II) are given:
I. Relative speed of train $A$ and $B$ is $10 \mathrm{~m} / \mathrm{s}$ when both running in the same direction and length of train $B$ is 240 m . (Speed of train $B$ is more than speed of train $A$ ).
II. Train B crosses a pole in 8 seconds and crosses train $A$ in 12 seconds while running in the opposite direction.
Find the length of the train A based on the given statements and mark the answer as follows:
A) If only statement II is sufficient.
B) If Either statement I or statement II alone is sufficient.
C) If Neither statement I or statement II is sufficient.
D) If Statement I and statement II both together are sufficient.
87. Following two statements (I) \& (II) are given:
I. Average age of Arun and Neeraj is 24 years and ratio of age of Rahul to Arun is 2:3.
II. Neeraj is four years elder than Satish and ratio of age of Satish to Rahul is 1:2.
Find the age of Rahul after 2 years based on the given statements and mark the answer as follows:
A) If only statement II is sufficient.
B) If Either statement I or statement II alone is sufficient.
C) If Neither statement I or statement II is sufficient.
D) If Statement I and statement II both together are sufficient.
88. Complete the missing number series: $6,6,8,16,42$, ?
A) 140
B) 116
C) 122
D) 98
89. Complete the missing number series: $885,795,739,709, ?, 695$
A) 699
B) 698
C) 697
D) 695
90. Complete the missing number series: 1006, 960, 885, 779, 636, ?
A) 452
B) 524
C) 584
D) 544
91. Given below is information about the number of students who appeared for a banking examination in three different shifts on five different days. Read the data carefully and answer the following question.

| DAY/SHIFT | SHIFT 1 | SHIFT 2 | SHIFT 3 |
| :--- | :--- | :--- | :--- |
| DAY 1 | 750 | 600 | 750 |
| DAY 2 | 900 | 900 | 1050 |
| DAY 3 | 600 | 800 | 900 |
| DAY 4 | 1050 | 525 | 600 |
| DAY 5 | 750 | 400 | 800 |

The number of students appeared in Shift 1 and Shift 2 together on Day 2 are how much percent more or less than the number of students appeared in Shift 3 of Day 1 and Day 3 together?
A) $\quad 11.11 \%$
B) $\quad 9.09 \%$
C) $\quad 11.33 \%$
D) $\quad 9.11 \%$
92. In how many ways can the letters of the word 'PARAGLIDING' be arranged such that all the vowels occur together?
A) 7460 ways
B) 88322 ways
C) 120960 ways
D) 144868 ways
93. Given below is information about the number of students who appeared for a banking examination in three different shifts on five different days. Read the data carefully and answer the following question.

| DAY/SHIFT | SHIFT 1 | SHIFT 2 | SHIFT 3 |
| :--- | :--- | :--- | :--- |
| DAY 1 | 750 | 600 | 750 |
| DAY 2 | 900 | 900 | 1050 |
| DAY 3 | 600 | 800 | 900 |
| DAY 4 | 1050 | 525 | 600 |
| DAY 5 | 750 | 400 | 800 |

What is the average number of students appeared in Shift 3 of all the five days combined?
A) 800
B) 815
C) 820
D) 825
94. Given below is information about the number of students who appeared for a banking examination in three different shifts on five different days. Read the data carefully and answer the following question.

| DAY/SHIFT | SHIFT 1 | SHIFT 2 | SHIFT 3 |
| :--- | :--- | :--- | :--- |
| DAY 1 | 750 | 600 | 750 |
| DAY 2 | 900 | 900 | 1050 |
| DAY 3 | 600 | 800 | 900 |
| DAY 4 | 1050 | 525 | 600 |
| DAY 5 | 750 | 400 | 800 |

If $0.4 \%$ and $0.75 \%$ of students appeared on Shift 1 of Day 1 and Shift 3 of Day 5, respectively cleared the examination, then find the ratio of students who cleared the exam in Shift 3 of Day 5 of that of students in Shift 1 of Day 1?
A) $1: 2$
B) $\quad 2: 1$
C) $4: 3$
D) $3: 1$
95. Given below is information about the number of students who appeared for a banking examination in three different shifts on five different days. Read the data carefully and answer the following question.

| DAY/SHIFT | SHIFT 1 | SHIFT 2 | SHIFT 3 |
| :--- | :--- | :--- | :--- |
| DAY 1 | 750 | 600 | 750 |
| DAY 2 | 900 | 900 | 1050 |
| DAY 3 | 600 | 800 | 900 |
| DAY 4 | 1050 | 525 | 600 |
| DAY 5 | 750 | 400 | 800 |

The Number of students appeared in Shift 2 of Day 4 are how much percent of the number of students appeared in Shift 3 of the same day?
A) $85 \%$
B) $\quad 87.5 \%$
C) $62.5 \%$
D) $75 \%$
96. Which one of the following statements show a contrast between the two attributes?
A) A naïve person does not show maturity.
B) A circuitous route does not have directness.
C) Something conspicuous is not difficult to detect.
D) An innovative idea ought not to be original.
97. If the words below were organized according to the intensity of expression (least expressive to most dramatic), which would come last?
A) Smirk
B) Moan
C) Wail
D) Scream
98. Read the following two scenarios and answer the question:

Scenario-1
Ravi aspires to be a scientist and possesses a scientific bent of mind. After working on a new experiment for a considerable period of time, he suffers disappointment through numerous failed attempts. He gives up the idea of research and experimentation and takes up a regular teaching job, which the scientist in him doesn't enjoy. He fails to put in his best efforts and his employers are not happy with him.
Scenario-2
Savita is one of the bright students in her class and is particularly good in debates and discussions. She aspires to be a news reporter one day, for which she needs to take up a course in mass communication. But her father wants her to pursue engineering after school. She dreads mathematical calculations and is losing confidence as her high school terminal exams are approaching.
What conclusion can be drawn from both the scenarios?
A) There is only one path to a successful life - that of hard work.
B) One should be encouraged to follow one's dreams.
C) To achieve our goals, we need to work harder.
D) We should not challenge our destiny.
99. Read the following two scenarios and answer the question:

## Scenario-1

Ravi aspires to be a scientist and possesses a scientific bent of mind. After working on a new experiment for a considerable period of time, he suffers disappointment through numerous failed attempts. He gives up the idea of research and experimentation and takes up a regular teaching job, which the scientist in him doesn't enjoy. He fails to put in his best efforts and his employers are not happy with him.

## Scenario-2

Savita is one of the bright students in her class and is particularly good in debates and discussions. She aspires to be a news reporter one day, for which she needs to take up a course in mass communication. But her father wants her to pursue engineering after school. She dreads mathematical calculations and is losing confidence as her high school terminal exams are approaching.

Which of the following strategies could help resolve the issues for everyone in both the scenarios?
A) Put more efforts
B) Keep trying
C) Love your work
D) Accept your destiny
100. Read the following two scenarios and answer the question:

Scenario-1
Ravi aspires to be a scientist and possesses a scientific bent of mind. After working on a new experiment for a considerable period of time, he suffers disappointment through numerous failed attempts. He gives up the idea of research and experimentation and takes up a regular teaching job, which the scientist in him doesn't enjoy. He fails to put in his best efforts and his employers are not happy with him.
Scenario-2
Savita is one of the bright students in her class and is particularly good in debates and discussions. She aspires to be a news reporter one day, for which she needs to take up a course in mass communication. But her father wants her to pursue engineering after school. She dreads mathematical calculations and is losing confidence as her high school terminal exams are approaching.

Which of the following words best describes the interpersonal relationship as described in the second scenario?
A) Harmonious
B) Consonant
C) Conflicting
D) Coinciding
101. Read the following information carefully and answer the question given below:

In a certain code language:
"filter water found everywhere" is coded as "bhu man juk lop"
"found lost items everywhere" is coded as " gan bhu nut juk" "apply filter search items" is coded as " vax der man nut"
"found water desert search" is coded as "but juk der lop"
How "desert" is coded?
A) gan
B) bhu
C) lop
D) but
102. Read the following information carefully and answer the question given below:

In a certain code language:
"filter water found everywhere" is coded as "bhu man juk lop"
"found lost items everywhere" is coded as " gan bhu nut juk"
"apply filter search items" is coded as " vax der man nut"
"found water desert search" is coded as "but juk der lop"
If "desert ___ " is coded as "but bhu" then which of the following words should fill the blank?
A) everywhere
B) found
C) filter
D) items
103. Which of the following statements expresses the ideal relationship between the two categories; 'status conscious people' and 'rich people'?
A) Some status conscious people are also rich.
B) Some rich people are not status conscious.
C) All status conscious people are rich people.
D) All rich people are always status conscious.
104. Read the following information and answer the question that follows:
I. Actions speak louder than words.
II. Silence is golden.
III. Barking dog seldom bites.
IV. Pen is mightier than sword.

Which of the two statements express opposite sentiments?
A) I and II
B) III and IV
C) II and IV
D) I and IV
105. Read the following information and answer the question that follows:

Gemstones are associated with certain human qualities and are often worn to enhance them. They have an important role in astrology. While choosing gemstones, many astrologers consider the impact they may have on people's feelings and desires. Commonly recognized gemstone associations include:
Topaz - Friendship, Courage
Emerald - Happiness, Fertility
Sapphire - Luck, Calmness
Aquamarine - Calmness, Health
Zircon - Wisdom, Wealth
For a young businessman setting up a new business, the gemstones chosen would most likely be $\qquad$
A) sapphire and emerald
B) zircon and aquamarine
C) topaz and zircon
D) topaz and sapphire
106. Read the following information and answer the question that follows:

Feng Shui associates different directions with specific meanings, according to their effect on human nature. While constructing a house, architects often consider the association of various directions with the type of room and its occupants. Commonly recognised direction meanings include:
South - recognition, fame, wealth and prosperity
East - family, health, marriage and romantic happiness
West - children, mentors and networking
North - career prospects, education and knowledge
For a study room, the direction chosen would most likely be $\qquad$ :
A) Southwest
B) Northwest
C) Southeast
D) Northeast
107. Nature is the most generous supplier of nourishment and guidance to us as humans. We are often advised to be in harmony with nature and to achieve that, following measures are advised: Get outside; take a nature walk. Read books about nature. Grow more plants. Shut televisions. Submerge in nature; meditate. Pick up litter. Reuse, recycle and reduce. All the above-mentioned measures can be categorised under the following three headings except:
A) Be thankful
B) Conserve
C) Be dutiful
D) Give back
108. Penance refers to an act of self-punishment or devotion performed voluntarily to show sorrow for a sin or other wrongdoing. Which of the following doesn't refer to penance?
A) A saint living alone in forests for 100 years
B) A priest not having food to impress God
C) A drug addict attending rehabilitation centre on his own
D) All of the above.
109. Which of the following statements expresses the ideal relationship between the two categories, 'moral education' and 'school curriculum'?
A) All schools must include moral education in their curriculum.
B) Some schools promote moral education through their curriculum.
C) Not all schools include moral education in their curriculum.
D) Moral education cannot be a part of school curriculum.
110. Idioms are expressions that convey a deeper meaning that goes beyond what is presented. Choose the correct option for 'To drive something home' means to
A) find one's roots
B) return to the place of rest
C) go back to the original position
D) emphasise
111. All the options given below can be grouped together. Which of the options can be used as a title for the other three?
A) Affection
B) Concern
C) Rage
D) Sentiment
112. Use the following information to answer question.

Numerology believes that numbers have much more significance in human lives than their face value. They symbolise areas of human desires and relationships. Commonly recognised number symbolisms include:
1st : New beginnings
2nd : Choice and balance
3rd: Creativity
4th : Structure and stability
5th : Motion and mobility
6th : Harmony, love, union
For opening of an art studio, the dates chosen by a famous numerologist would most likely be
A) $2^{\text {nd }}$ or $4^{\text {th }}$
B) $\quad 1^{\text {st }}$ or $2^{\text {nd }}$
C) $\quad 1^{\text {st }}$ or $3^{\text {rd }}$
D) $\quad 3^{\text {rd }}$ or $6^{\text {th }}$
113. Read the given statements and answer the question that follows
I. It is best to be on the safe side.
II. Nothing ventured, nothing gained.
III. Better safe than sorry.
IV. There is safety in number.

Which saying encourages the people to live cordially with others?
A) Statement I
B) Statement II
C) Statement III
D) Statement IV
114. Labyrinth is a complex system of paths or tunnels in which it is easy to get lost. Which of the following does not refer to Labyrinth?
A) A house with complex structure
B) A puzzle with choices of paths
C) A treasure hunt game based on a map
D) A mathematics problem given in a textbook
115. If the words given below were organised according to the age (youngest to oldest), which word would come first?
A) toddler
B) infant
C) adolescent
D) juvenile
116. Which of the following are the approaches to the study of leadership which emphasize the personality of a leader?
A) Contingency theories
B) Group theories
C) Trait theories
D) Inspirational theories
117. The Ohio state leadership studies revealed initiating structure and $\qquad$ as two major dimensions of leadership behavior.
A) Control
B) Communication
C) Collaboration
D) Consideration
118. The influential model of attitude change and attitude formation is $\qquad$
A) Associative leader
B) Opinion leader
C) Inspiration leader
D) Group leader
119. The basic quality of dominant leadership is:
A) aggressive, rigid and skillful
B) easy, sympathetic, popular
C) order and action-oriented
D) adaptability according to conditions
120. Leadership is a socio-psychological assumption which is related to:
A) the development of social values
B) the development of religious values
C) the preservation of cultural heritage
D) the guidance of the society
121. Managerial Grid model of leadership has concern for:
A) Process and Project
B) People and Product
C) Pre-requisites and Plans
D) Planning and Process
122. A teacher is a leader, he is the authority before the students and so, it is his right to lead. While leading the students, he should follow some important principles:
A) Creating right atmosphere in the class
B) Preparation and planning
C) Providing opportunities
D) All of the above.
123. Which of the following is a desirable feature of leadership?
A) Coexistence of leaders and managers
B) One-directional influence from the leader to the follower
C) Coercive power and authority
D) Lack of freedom
124. Trait theories of leadership focus on $\qquad$ .
A) the special relationship that leaders establish with a small group of their followers.
B) the personal qualities and characteristics that differentiate leaders from non-leaders.
C) the way the leader makes decisions.
D) the extent to which followers are willing and able to accomplish a specific task.
125. Contingency theories focus on the $\qquad$ that impact leadership success.
A) personality variables
B) situational variables
C) leader's abilities to inspire and transform followers
D) values and ethics
126. In which of the following leadership styles the workforce has little input or feedback?
A) Directing style of leadership
B) Consultative style of leadership
C) Participative style of leadership
D) Delegating style of leadership
127. Which of the following is not a kind of leadership skill required for effective leadership?
A) Vision
B) Empowerment
C) Intuition
D) Threat
128. In case of Transactional leadership, a leader has which of the following characteristics?
A) Takes the view that rewards and punishments motivate staff.
B) Seeks to ensure staff understands issues facing the organization.
C) Seeks to involve staff in the decision-making process.
D) Believe success arises from leaders and staff working together.
129. Which among the following is not a leadership style?
A) Transformational leadership
B) Transactional leadership
C) Transmission leadership
D) Paternalistic leadership
130. What are the three situational criteria identified in the Fiedler contingency model?
A) job requirements, position power, leadership ability
B) charisma, influence, leader member relations
C) task structure, leadership ability, group cohesion
D) leader member relations, task structure, position power
131. According to the attribution theory of leadership, a person aiming to be a leader has to:
A) gain sufficient experience to be a leader
B) shape the perception that he or she could be a leader
C) make changes on ground before leading people
D) possess many significant actual accomplishments
132. Which of the following is true regarding power?
A) $\quad P$ is said to have power over $Q$ if $Q$ controls something that $P$ desires.
B) The greater P's dependence on $Q$, the greater P's power in the relationship.
C) If $P$ has the capacity to influence the behavior of $Q$, then $P$ is said to have power over $Q$.
D) $\quad P$ can have power over $Q$ only if $P$ is $Q$ 's leader.
133. The two general groupings into which power may be categorized are:
A) informational and personal
B) formal and informal
C) informal and legitimate
D) formal and personal
134. Which of the following power tactics would be considered as a soft tactic?
A) Rational persuasion
B) Exchange
C) Coalition
D) Politicking
135. When a conflict arises between two employees, what first step might a leader take?
A) Step-in and quickly help employees mediate the conflict so as to avoid any unnecessary escalation.
B) Step back and encourage employees to resolve the conflicts themselves so that they learn how to resolve conflicts on their own and handle any future issues/contingencies.
C) Step out of the field of action for a moment so as to gain insights into the nature of the conflict.
D) Use his power to crush the conflict on the spot so as to ensure smooth working of organizational functions.
136. A satisfied employee will be a:
A) motivator to others
B) manager
C) high performer
D) Team leader
137. $\qquad$ is not a capability of an employee having positive attitude.
A) Focus
B) Confidence
C) Creativity
D) Pessimism
138. Which one is not a benefit to employee that results through positive attitude of an employee?
A) Promotion
B) Less stress
C) Job satisfaction
D) Enjoying life
139. The attitude based on beliefs, opinions, knowledge or information about a particular event which the employee possess is under $\qquad$ component of attitude.
A) Behavioral
B) Cognitive
C) Affective
D) Positive
140. The attitude based on the concept that "every individual will have an intention to react in a certain way towards something" is under $\qquad$ component of attitude.
A) Behavioral
B) Cognitive
C) Affective
D) Positive
141. Motivation includes
A) Job enrichment
B) Job enlargement
C) Job rotation
D) All of the above
142. Persuasion is $\qquad$
A. the process by which a message induces attitude change
B. a change in behavior or belief as a result of real or imagined group pressure
C. the process by which a message induces a change in behavior
D. a change in behavior or belief as a result of a direct order from someone
143. Which one of the following is not an instance of pro-social behavior?
A) Altruism
B) Cooperation
C) Sharing
D) Crowding
144. Which one of the following is not part of the definition of attitude?
A) Learned
B) Inherited
C) Relating to some object or act in a certain way
D) Having an evaluative dimension
145. The $\qquad$ of an attitude tells us if an attitude is positive or negative towards the object.
A) Center
B) Extremeness
C) Simplicity
D) Valence
146. Psychological process by which individuals organize and interpret their sensory impressions in order to give meaning to their environment is definition of
A) Attitude
B) Perception
C) Personality
D) None of the above
147. When systems undergo transition, it creates:
A) uncertainty and confusion
B) certainty and confusion
C) uncertainty and clarity
D) certainty and clarity
148. Which of the following statements represents a person's job attitude?
A) I enjoy my work because it offers me challenges and helps me hone my networking skills.
B) I believe my work has a direct impact on the processes of the organization.
C) I believe my work performance indicates my caliber and potential.
D) I agree with the organization about its commitment to the environment.
149. Which of the following is an example of the affective component of an attitude?
A) Believing that one achieved all objectives of a project.
B) Relying on the information of a company's annual report.
C) Perceiving whistle-blowing as the right thing to do.
D) Feeling hurt at being unfairly accused of a wrongdoing.
150. Today's managers understand that the success of any effort at improving quality and productivity must include:
A) Quality management programs
B) Employee's participation
C) Customer service improvements
D) Manufacturing simplification

