## NICSCD_B05

1. The given sentence may or may not have an error. Find out which part of the sentence has an error, and the appropriate letter ( $\mathrm{A}, \mathrm{B}, \mathrm{C}$ ) is your answer. If there is no error, D is the answer.
The astronomer $[A]$ / who predicts the future $[B]$ / has arrived. [C] / No error [D]
2. The given sentence may or may not have an error. Find out which part of the sentence has an error, and the appropriate letter ( $\mathrm{A}, \mathrm{B}, \mathrm{C}$ ) is your answer. If there is no error, D is the answer.
From the last two month $[A]$ / each of us $[B]$ / has been working on the same project. [C] / No error [D]
3. The given sentence may or may not have an error. Find out which part of the sentence has an error, and the appropriate letter ( $\mathrm{A}, \mathrm{B}, \mathrm{C}$ ) is your answer. If there is no error, D is the answer.
No sooner did $[A]$ / she reach $[B]$ / the station, then it started raining. [C] / No error [D]
4. The given sentence may or may not have an error. Find out which part of the sentence has an error, and the appropriate letter ( $\mathrm{A}, \mathrm{B}, \mathrm{C}$ ) is your answer. If there is no error, D is the answer.
The supervisor noticed that $[A]$ / one of the employees were $[B]$ / involved in unfair activities outside the office. [C] / No error. [D]
5. Arrange the given parts of the sentence in the correct order to make a meaningful sentence:
P. four degrees below normal
Q. icy winds lashed Srinagar
R. with minimum temperature registering
S. which was already in the grip of gruelling cold wave conditions
A. QSRP
B. QPSR
C. QPRS
D. $S P Q R$
6. Choose the correct word to fill in the blank in the following sentence: The famous singer $\qquad$ his success to his father's guidance.
A. Alleges
B. Accounts
C. Pertains
D. Attributes
7. Choose the correct option to fill in the blank in the following sentence He was so convinced that people were driven by $\qquad$ motives that he believed there was no such thing as a purely $\qquad$ act.
A. sentimental, divine
B. personal, eternal
C. ulterior, selfless
D. altruistic, praiseworthy
8. Complete the correct proverb:

A burnt child dreads the $\qquad$
A. Thing
B. Cloud
C. Water
D. Fire
9. To meet one's waterloo means:
A. to meet one's defeat
B. to meet Napolean
C. to get into water
D. to get one's victory
10. Choose from the given alternatives the word which is nearest in meaning (Synonym) to the word, 'FELICITOUS'
A. happy
B. convenient
C. fervent
D. brittle
11. Choose from the given alternatives the word which is nearest in meaning (Synonym) to the word, 'PARSIMONIOUS'
A. Prodigious
B. Selfless
C. Miserly
D. Ostentatious
12. Choose from the given alternatives the word which is nearest in meaning (Synonym) to the word, 'REPULSIVE'
A. Forbidding
B. Immature
C. Loathsome
D. Youthful
13. Choose from the given alternatives the word which is nearest in meaning (Synonym) to the word, 'DEFERENCE'
A. Indifference
B. Sympathy
C. Respect
D. Flattery
14. Choose from the given alternatives the most appropriate word opposite (Antonym) in meaning to the word, 'NEFARIOUS'
A. wicked
B. evil
C. benign
D. diverge
15. Choose from the given alternatives the most appropriate word opposite (Antonym) in meaning to the word, 'INDUBITABLE'
A. Arguable
B. Categorical
C. Indisputable
D. Preventable
16. Choose from the given alternatives the most appropriate word opposite (Antonym) in meaning to the word, 'SANGUINE'
A. Roseate
B. Hopeless
C. Slow
D. Ebullient
17. Choose from the given alternatives the most appropriate word opposite (Antonym) in meaning to the word, 'SPURIOUS'
A. Absolute
B. Ardent
C. Genuine
D. Crucial
18. Change the following into an Indirect statement:
"Do you hear me?" said Shylock to Antonio.
A. Shylock told Antonio that he heard him.
B. Shylock asked Antonio if he heard him.
C. Shylock asked Antonio whether he hears him.
D. None of the above.
19. Choose the correctly Punctuated option of the sentence given below:

It is mind after all which does the work of the world said my mother
A. It is mind after all which does the work of the world, said my mother.
B. It is mind, after all which does the work of the world, said my mother.
C. It is mind, after all, which does the work of the world. "said my mother"
D. "It is mind, after all, which does the work of the world", said my mother.
20. Find out the correct spelling:
A. Quintesence
B. Quintessence
C. Quentesence
D. Quintesense
21. Change the following into Passive voice:

People say the fox is cunning.
A. The fox is being cunning.
B. The fox is said to be cunning.
C. The fox says that people are being cunning.
D. People said the fox is cunning.
22. Which of the following sentences is not correct:
A. Fortune favours the bold.
B. The opposite of love is not hate; it's indifference.
C. The only person you are destined to become is the person you deciding to be.
D. Always remember, you have within you the strength, the patience, and the passion to reach for the stars to change the world.
23. Fill in the blanks with the most appropriate option from the given alternatives.

He lay there gasping, choking back with superhuman effort the scarcely $\qquad$ roars of laughter that he dared not let out, but the $\qquad$ comedian would not tone down his jokes.
A. irreconcilable, reconciliable
B. repressible, irrepressible,
C. consistent, inconsistent
D. popular, unpopular
24. The plural of 'Bacteria' is:
A. Bacterium
B. Bacterias
C. Bacteriums
D. Bacteria
25. Choose the correct spelling:
A. Macaber
B. Macabre
C. Macebre
D. Macbre
26. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at $2 \%$ per annum is Rs. 2. The sum of simple and compound interest (in Rs.) is:
A. 400
B. 402
C. 600
D. 410
27. The compound interest on Rs. 10,000 at $5 \%$ per annum is Rs. 1,025 . The period (in years) is:
A. 2
B. 2.5
C. 3
D. 4
28. There is $30 \%$ increase in an amount in 5 years at simple interest. What will be the compound interest of Rs. 8,000 after 2 years at the same rate?
A. Rs. 987.8
B. Rs. 989.4
C. Rs. 988.8
D. Rs. 986.8
29. The compound interest (CI) on Rs. 6,000 for 2 years at $10 \%$ per annum compounded annually is
A. 1400
B. 1200
C. 1360
D. 1260
30. A washing machine was bought for Rs. 9,000. The value of the washing machine was depreciated by $5 \%$ per annum. Find the value of the washing machine after 2 years. (Depreciation means the reduction of value due to use and age of the item)
A. 8122.2
B. 8122.5
C. 8122.7
D. 8122.9
31. Ram can do a work in 5 days and Shyam in 10 days. If they work on it together for 2 days, then the fraction of the work that is left is:
A. $1 / 5$
B. $2 / 5$
C. $3 / 5$
D. $4 / 5$
32. Jack, Jill and James can do a piece of work in 20, 30 and 60 days respectively. In how many days can Jack do the work if he is assisted by Jill and James on every third day?
A. 12 days
B. 15 days
C. 16 days
D. 18 days
33. If 4 men and 6 boys can do a piece of work in 8 days while 14 men and 26 boys can do the same in 2 days, the time taken by 10 men and 30 boys in doing the same type of work will be:
A. 2 days
B. 3 days
C. 4 days
D. 5 days
34. ' $A$ ' can finish a work in 24 days and ' $B$ ' can do the same work in 12 days. ' $B$ ' worked for 10 days and left the job. In how many days, 'A' alone can finish the remaining work?
A. 2 days
B. 3 days
C. 4 days
D. 5 days
35. ' $A$ ' can do a piece of work in 26 days. ' $B$ ' is $30 \%$ more efficient than ' $A$ '. The number of days taken by ' $B$ ' to do the same piece of work is:
A. 18 days
B. 20 days
C. 24 days
D. 26 days
36. If in adjacent figure angle $A=70^{\circ}, B=60^{\circ}$, then the value of angle P is $\qquad$ .

A. $50^{\circ}$
B. $40^{\circ}$
C. $45^{\circ}$
D. $60^{\circ}$
37. A man goes 15 m due west and then 8 m due north. How far is he from the starting point?
A. 15 m
B. 17 m
C. 18 m
D. 19 m
38. A tangent $P Q$ at a point $P$ of circle of radius 5 cm meets a line through the center $O$ at a point $Q$ so that $O Q=13 \mathrm{~cm}$. The length of $P Q$ is $\qquad$
A. $\sqrt{194} \mathrm{~cm}$
B. 11 cm
C. $\quad 10 \mathrm{~cm}$
D. 12 cm
39. Which of the following pair of lines in a circle can not be parallel?
A. Two chords
B. A chord and a tangent
C. Two tangents
D. Two diameters
40. The number of tangents that can be drawn from an external point to a circle is $\qquad$
A. 1
B. 3
C. 2
D. 4
41. Walking at $5 / 6$ th of his usual speed, Naman is $5 / 2$ hours late. His usual time to cover the same distance, in hours, is $\qquad$
A. $25 / 2$
B. $27 / 2$
C. $15 / 2$
D. $13 / 2$
42. Raj and Prem walk in opposite directions at the rate of 5 km and 4 km per hour respectively. How far will they be from each other after 3 hours?
A. 25 km
B. 26 km
C. 24 km
D. 27 km
43. Walking with $3 / 4$ of my usual speed, I miss the bus by 5 minutes. What is my usual time to cover the same distance?
A. 15 mins
B. 20 mins
C. 25 mins
D. 30 mins
44. The HCF of two numbers is 116 , and their LCM is 1740 . If one number is 580 , the other number is $\qquad$
A. 10
B. 348
C. 248
D. 15
45. The largest number which divides 129 and 545 , leaving remainders 3 and 5 respectively is $\qquad$
A. 18
B. 28
C. 15
D. 19
46. If $p$ and $q$ are two prime numbers, the HCF and LCM of them will be
A. pq, 1
B. $p, q$
C. 1,1
D. $1, \mathrm{pq}$
47. If the product of the zeros of the polynomial ( $a x^{2}-6 x-6$ ) is 4 , then the value of $a$ is
A. $\frac{1}{2}$
B. $\frac{3}{2}$
C. $-\frac{3}{2}$
D. $-\frac{1}{2}$
48. If the polynomial $x^{3}+x^{2}-a x+b$ is divisible by $\left(x^{2}-x\right)$, then the value of $a$ and $b$ are
A. 2,0
B. 1,0
C. 2,1
D. 1,2
49. A number is increased by 3 , then multiplied by 2 and the result is 36 . The original number is
A. 9
B. 15
C. 10
D. 12
50. If $\sin 3 A=\cos \left(A-26^{\circ}\right)$, where 3 A is an acute angle, then the value of A is
A. $16^{\circ}$
B. $29^{\circ}$
C. $14^{\circ}$
D. $54^{\circ}$
51. If $\sec \theta-\tan \theta=p$ then the value of $\sec \theta$ is
A. $\sqrt{p}$
B. $p^{2}$
C. $\frac{1+p^{2}}{2 p}$
D. $\frac{1-p^{2}}{2 p}$
52. 6 years ago, the ratio of the ages of Amit and Ajit was $3: 2.4$ years from now, the ratio of their ages will be 5:4. The present age of Amit and Ajit is
A. 16,21
B. 21,16
C. 20,15
D. 20,16
53. If $30 \%$ of a number is equal to the $3 / 2$ of another number, then the ratio of first number to the second number is
A. $5: 1$
B. $1: 5$
C. $10: 3$
D. $3: 10$
54. Find the value of $\frac{7.94 \times 7.94 \times 7.94-2.56 \times 2.56 \times 2.56}{7.94 \times 7.94+7.94 \times 2.56+2.56 \times 2.56}$ is:
A. 0.538
B. 5.38
C. 0.0538
D. 53.8
55. If $94.5012=9 A+\frac{4}{B}+5 C+\frac{1}{D}+2 E$, then the value of $5 A+B+10 C+D+10 E$ is
A. 1052.001
B. 53.603
C. 153.6003
D. 213.0003
56. Who among the following is not part of a Quality Council Team of an organisation?
A. CEO
B. Senior managers of functional areas
C. Quality Council Coordinator or consultant
D. External Customer
57. The attempts that are made to improve an organization's performance by making mission statements concrete are called
A. Goals
B. Objectives
C. Plans
D. Action Plans
58. The process of involving yourself and influencing others towards the accomplishment of goals is called
A. Leadership
B. Dictatorship
C. Sportsmanship
D. Autocracy
59. Quality Leaders focus on $\qquad$ rather than maintenance.
A. Aesthetics
B. Continuous improvement
C. Discontinuous improvement
D. Static improvement
60. Quality leaders give primary importance to $\qquad$ and their needs.
A. Internal and external customers
B. Founder and co-founder
C. Founder and internal customer
D. Founder and external customer
61. Leaders use $\qquad$ to create a sustainable competitive advantage for their organization.
A. Media
B. Ineffective Strategy
C. Effective Strategy
D. Papers
62. Experiments performed by Ivan Pavlov led to the establishment of which theory?
A) classical conditioning B) social learning
C) operant conditioning
D) behavior shaping
63. Which of the following is false regarding supplier and quality leader relationship?
A. Support them when needed, Audit their capabilities
B. Recognize quality improvements made by suppliers
C. Encourage joint improvements action
D. Scold them if there is lack of quality
64. Which of the following is false regarding the kind of environment quality leaders try to build in a company?
A. Empowerment
B. Innovation
C. Agility
D. Localized learning
65. Quality leaders people rather than directing and supervising them.
A. Train and coach
B. Scold
C. Threaten
D. Fire
66. Quality leaders encourage $\qquad$ over $\qquad$ when consider functions of various departments in a company.
A. Competition collaboration
B. Competition, threat
C. Collaboration, competition
D. Threat, collaboration
67. Which of the following is false regarding quality leaders promoting teamwork?
A. Multidisciplinary teamwork
B. Create involvement
C. Active participation of everyone
D. Discourage involvement
68. Regarding leadership, which statement is false?
A. Leadership does not necessarily take place within a hierarchical structure of an organisation
B. When people operate as leaders their role is always clearly established and defined
C. Not every leader is a manager
D. All of the above
69. personality of the leader:
A. Contingency theories
B. Group theories
C. Trait theories
D. Inspirational theories
70. Needs, setting standards and maintaining discipline, and appointing sub-leaders according to Adair's approach, called as:
A. Work functions
B. Task functions
C. Individual functions
D. Team functions
71. $\qquad$ is the definition of reference groups.
A. Groups that an individual looks to when forming attitudes and opinions
B. Groups of people who have been referred to by someone they know
C. Groups of office colleagues
D. Chat groups on the internet
72. Frustration arises from the gap between $\qquad$ and $\qquad$
A. belief; behaviour
B. learning; behaviour
C. expectations; attainments
D. behaviour; attitudes
73. Which of the following are the characteristics of Charismatic leadership?
A. Must observe that the punishment and rewards motivate staff.
B. Employees a clear chain of command.
C. Ensure that staff is knowing the issues that the organization is facing.
D. Maintaining a good, strong, effective, and distinctive image for the organization.
74. Which of the following are the characteristics of transformational leadership?
A. Employs a clear chain of command.
B. Must observe that the punishment and rewards motivate staff.
C. Try his/her best to involve a team member in the process of decision making.
D. None of the options.
75. Interchange the signs and find the correct solution
$3-5^{*} 6+4 / 2=10$
A. + and *
B. + and $=$
C. + and /
D. - and *
76. What least number must be subtracted from 23891, so that the remainder is divisible by 87 ?
A 56
B. 46
C. 53
D. 66
77. Which of the following is exactly divisible by 7,11 and also 13.
A. 16016
B. 15035
C. 16026
D. 15119
78. Pointing to a person, Raju said "He is the only brother of my father's mother's daughter." How is the person related to Raju?
A. Brother
B. Father
C. Uncle
D. Nephew
79. In a four-digit number, the sum of the first 2 digits is equal to that of the last 2 digits. The sum of the first and last digits is equal to the third digit. Finally, the sum of the second and fourth digits is twice the sum of the other 2 digits. What is the third digit of the number?
A. 5
B. 8
C. 1
D. 4
80. In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.

$$
a b c a-b c a a b-a a-c a a-c
$$

A. bbac
B. bbaa
C. acbb
D. acac
81. In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative. cccbb - aa - cc - bbbaa - c
A. acbc
B. baca
C. baba
D. acba
82. Components of attitude can majorly be suggested into $\qquad$ Types.
A. 7
B. 4
C. 3
D. 6
83. In a certain code, "Friend" is written as "EQHDMC". How is "Globe" written in that code?
A. FNKAO
B. EJNAD
C. FKNBD
D. FKNAD
84. If '+' means subtraction, '-' means multiplication, 'symbol of division' means addition and ' X ' means division, then what is the value of the following:
$54 \times 9-7$ division $8+4=$ ?
A) 56
B) 46
C) 59
D) 48
85. Two groups of cadets "Veer" and "Balwan" are facing North and South respectively. They were given following commands right turn, about turn, right turn and left turn in that order. Which directions both groups are facing now?
A. East, West
B. North, South
C. West, East
D. South, North
86. Which one is not a benefit to employee having positive attitude of an employee?
A. Promotion
B. Less Stress
C. Job Satisfaction
D. Enjoying life
87. $\qquad$ is the only component of attitude which is visible and can be observed directly.
A. Behavioural
B. Cognitive
C. Affective
D. Positive
88. Is not a capability of an employee having positive attitude.
A. Focus
B. Creativity
C. Pessimism
D. Confidence
89. The job satisfaction of an employee depends on
A. Behaviour
B. Attitude
C. Personality
D. Employer
90. Cognitive component of attitude comes from internal environment.
A. True
B. False
C. Partly True, Partly False
D. None of these
91. Attitude is defined as "a learned predisposition to respond in a consistently $\qquad$ with respect to a given object."
A. favourable or unfavourable manner
B. favourable manner
C. unfavourable manner
D. Favourable and unfavourable manner
92. The foundation or base of the components of Job related attitudes is $\qquad$ .
A. Job satisfaction
B. Individual Attitude
C. Job Performance
D. Behaviour
93. Which among the following is the highest level need under Need Hierarchy Theory of Motivation?
A. Safety and Security Needs
B. Social Needs
C. Self-esteem Needs
D. Self Actualization Needs
94. Following are the criteria for selection of computer professionals in an organization:

The candidate must
(i) be a computer engineer or MCA with first class having minimum $65 \%$ marks.
(ii) have secured at least $50 \%$ marks in the selection test.
(iii) have secured at least $40 \%$ marks in the interview.
(iv) not be less than 21 years and not more than 30 years of age as on $1^{\text {st }}$ October 2022.
In case of a candidate who satisfies all other criteria except:
a) at (i) above but is an electronics engineer with $70 \%$ marks, the case may be referred to the GM, Recruitment.
b) at (ii) above but is having at least 2 years' experience of working as a systems analyst, the case may be referred to the Chairman, Recruitment Committee.

In the following question, information about one candidate is given. You have to analyse it with reference to the above criteria and conditions and then decide the appropriate course of action. You are not to assume anything other than the given information. All these cases are given to you as on $1^{\text {st }}$ October 2022.

Rohit Verma is a mechanical engineer with $75 \%$ marks. He was born on $6^{\text {th }}$ July 1994. He scored $66 \%$ marks in the selection test and $52 \%$ marks in the interview.
A. The candidate is to be selected.
B. The candidate is not to be selected.
C. The case is to be referred to the chairman. Recruitment committee.
D. The case is to be referred to the GM Recruitment.
95. Following are the criteria for selection of computer professionals in an organization:

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Shweta Arora is MCA with $76 \%$ marks. She has been working as a systems analyst in an engineering firm since $15^{\text {th }}$ November 2020. She scored $72 \%$ marks in the selection test and $65 \%$ marks in the interview. Her date of birth is $25^{\text {th }}$ October 1996.
A. The candidate is to be selected.
B. The candidate is not to be selected.
C. The case is to be referred to the chairman. Recruitment committee.
D. The case is to be referred to the GM Recruitment.
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In the following question, information about one candidate is given. You have to analyse it with reference to the above criteria and conditions and then decide the appropriate course of action. You are not to assume anything other than the given information. All these cases are given to you as on $1^{\text {st }}$ October 2022.

Sarthak Sinha is an electronics engineer passed out in 2016. At the age of 23 years With $82 \%$ marks. He scored $64 \%$ marks in the selection test and $58 \%$ marks in the interview. He has got the work experience as programmer for 2.5 years.
A. The candidate is to be selected.
B. The candidate is not to be selected.
C. The case is to be referred to the chairman. Recruitment committee.
D. The case is to be referred to the GM Recruitment.
97. Following are the criteria for selection of computer professionals in an organization:

The candidate must
(i) be a computer engineer or MCA with first class having minimum $65 \%$ marks.
(ii) have secured at least $50 \%$ marks in the selection test.
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(iv) not be less than 21 years and not more than 30 years of age as on $1^{\text {st }}$ October 2022.
In case of a candidate who satisfies all other criteria except:
a) at (i) above but is an electronics engineer with $70 \%$ marks, the case may be referred to the GM, Recruitment.
b) at (ii) above but is having at least 2 years' experience of working as a systems analyst, the case may be referred to the Chairman, Recruitment Committee.

In the following question, information about one candidate is given. You have to analyse it with reference to the above criteria and conditions and then decide the appropriate course of action. You are not to assume anything other than the given information. All these cases are given to you as on $1^{\text {st }}$ October 2022.

Vikrant, a computer engineer passed out with $68 \%$ marks in the final examination at the age of 22 years in 2020. He secured $62 \%$ marks in the selection test and $56 \%$ marks in the interview.
A. The candidate is to be selected.
B. The candidate is not to be selected.
C. The case is to be referred to the chairman. Recruitment committee.
D. The case is to be referred to the GM Recruitment.
98. Given below are two statements labelled as Assertion (A) and Reason (R). Mark your answer as per the codes provided
Assertion (A): When lightning strikes, the sound is heard a little after the flash is seen. Reason (R): The velocity of light is greater than that of the sound.
A. Both $A$ and $R$ are true and $R$ is the correct explanation of $A$.
B. Both $A$ and $R$ are true but $R$ is not the correct explanation of $A$.
C. $A$ is true but $R$ is false.
D. Both $A$ and $R$ are false.
99. Given below are two statements labelled as Assertion (A) and Reason (R). Mark your answer as per the codes provided
Assertion (A): Indian President is the head of the State.
Reason (R): Indian Parliament consists of the President, Lok Sabha and Rajya Sabha.
A. Both $A$ and $R$ are true and $R$ is the correct explanation of $A$.
B. Both $A$ and $R$ are true but $R$ is not the correct explanation of $A$.
C. $A$ is true but $R$ is false.
D. Both $A$ and $R$ are false.
100. Given below are two statements labelled as Assertion (A) and Reason (R). Mark your answer as per the codes provided
Assertion (A): Diamond is used for cutting glass.
Reason ( $R$ ): Diamond has a high refractive index.
A. Both $A$ and $R$ are true and $R$ is the correct explanation of $A$.
B. Both $A$ and $R$ are true but $R$ is not the correct explanation of $A$.
C. $A$ is true but $R$ is false.
D. Both $A$ and $R$ are false.
101. By the early 1990s, the service sector contributed approximately 20 \%of India's GDP. Still no coherent system of rules, principles, and procedures exist to govern the service sector. Which of the following best summarises the argument?
A. Regulatory system lag behind reality.
B. A regulatory system ought to reflect the importance of service sector
C. India's GDP was five times its service sector
D. None of these
102. An Airline has a certain free luggage allowance and charges for excess luggage at a fixed rate per kg. Two passengers, Raja and Praja have 60 kg of luggage between them and are charged Rs. 1200 and Rs.2400/- respectively for excess luggage. Had the entire luggage belonged to one of them, the excess luggage charge would have been Rs.5400/-. What is the weight of Praja's luggage?
A. 20 Kg
B. 25 Kg
C. $\quad 30 \mathrm{Kg}$
D. 35 Kg
103. An Airline has a certain free luggage allowance and charges for excess luggage at a fixed rate per kg. Two passengers, Raja and Praja have 60 kg of luggage between them and are charged Rs. 1200 and Rs.2400/- respectively for excess luggage. Had the entire luggage belonged to one of them, the excess luggage charge would have been Rs.5400/-. What is the free luggage allowance?
A. $\quad 10 \mathrm{Kg}$
B. 15 Kg
C. 20 Kg
D. 30 Kg
104. Which of the given options best completes the argument below:

One effect of the FM radio was a collapse in the market for the audio cassettes. Formerly, people had to buy audio cassettes in order to listen to their favourite music, but the advent of FM radio changed all that by 'giving people music on tap'. Similarly, the introduction of crops genetically engineered to be resistant to pests will
A. Increase the size of the crop harvests
B. Increase the cost of seeds
C. Reduce demand for chemical pesticide
D. Reduce the value of farmland
105. Dr. Miller has a busy paediatric dentistry practice and she needs a skilled, reliable hygienist to keep things running smoothly. The last two people she hired were recommended by top dentists in the area, but they each lasted less than one month. She is now in desperate need of a hygienist who can competently handle the specific challenges of her practice. Which one of the following candidates should Dr. Miller consider most seriously?
A. Marilyn has been a hygienist for fifteen years, and her current employer, who is about to retire, says she is the best in the business. The clientele she has worked with consists of some of the wealthiest and most powerful citizens in the county.
B. Lindy recently graduated at the top of her class from one of the best dental hygiene programs in the state. Prior to becoming a dental hygienist, Lindy spent two years working in a day care centre.
C. James has worked as a dental hygienist for three years in a public health clinic. He is very Interested in securing a position in a private dental office.
D. Kathy is an experienced and highly recommended dental hygienist who is also finishing a degree in early childhood education, which she hopes will get her a job as a preschool teacher. She is eager to find a job in a paediatric practice, since she has always wanted to work with children.
106. Mrs. Jansen recently moved to Arizona. She wants to fill her new backyard with flowering plants. Although she is an experienced gardener, she is not very well versed in what plants will do well in the Arizona climate. In addition, there is a big tree in her backyard making for shady conditions and she is not sure what plants will thrive without much direct sunlight. Her favourite gardening catalogue offers several backyard seed packages. Which one should Mrs. Jansen choose?
A. The Rainbow Collection is ideal for North-east gardens. It includes a variety of colourful perennials that thrive in cool, moist conditions.
B. The Greenhouse Collection will blossom year after year if planted in brightly lit locations and watered regularly.
C. The Treehouse Collection will provide lush green plants with delicate colourful flowers that thrive in shady and partially shady locations.
D. The Oasis Collection includes a variety of perennials that thrive in dry climates and bright sunlight.
107. In the question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statements: Women's organisations in India have welcomed the amendment of the Industrial Employment Rules 1946 to curb sexual harassment at the work place.
Conclusions:
I- Sexual harassment of women at work place is more prevalent in India as compared to other developed countries.
II - Many organisations in India will stop recruiting women to avoid such problems.
Give answer:
(A) If only conclusion I follows
(B) If only conclusion II follows
(C) If both I and II follow
(D) If neither I nor II follows
108. In the question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.
Statements: People who speak too much against dowry are those who had taken it themselves.

## Conclusions:

I - It is easier said than done.
II - People have double standards.
Give answer:
(A) If only conclusion I follows
(B) If only conclusion II follows
(C) If both I and II follow
(D) If neither I nor II follows
109. Given below is a statement, followed by two assumptions numbered I and II. You have to consider which of the assumption is implicit in the statement.

Statement: It is desirable to put the child in school at the age of 5 or so.
Assumptions:
I. At that age the child reaches appropriate level of development and is ready to learn.
II. The schools do not admit children after six years of age.
A. only assumption I is implicit
B. only assumption II is implicit
C. either I or II is implicit
D. both I and II are implicit.
110. Given below is a statement, followed by two assumptions numbered I and II. You have to consider which of the assumption is implicit in the statement.

Statement: "Those who are appearing for this examination for the first time, should be helped in filling up the form." - An instruction to invigilating staff.
Assumptions:
I. The form is somewhat complicated.
II. Candidates can appear more than once for this examination.
A. only assumption I is implicit,
B. only assumption II is implicit
C. either I or II is implicit
D. both I and II are implicit.
111. Given below consists of a statement, followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing and accordingly choose your answer from the given alternatives.
Statement: In spite of the principal's repeated warnings, a child was caught exploding crackers secretly in the school.

## Courses of actions:

I. All the crackers should be taken away from the child and he should be threatened not to do it again.
II. The child should be severely punished for his wrong act.
A. only I follows
B. only II follows
C. either I or II follows
D. neither I nor II follows
112. Given below consists of a statement, followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing and accordingly choose your answer from the given alternatives.

Statement: The availability of imported fruits has increased in the indigenous market and so the demand for indigenous fruits has been decreased.
Assumptions:
I. To help the indigenous producers of fruits, the Government should impose high import duty on these fruits, even if these are not of good quality.
II. The fruit vendors should stop selling imported fruits so that the demand for indigenous fruits would be increased.
A. only I follows
B. only II follows
C. either I or II follows
D. neither I nor II follows
113. How many zeros are there at the end of the product of $33 \times 175 \times 180 \times 12 \times 44 \times 80 \times$ 66 ?
A. 5
B. 2
C. 8
D. 4
114. What is the remainder when $\left[(1931)^{221}\right]^{428}$ is divided by 1932 ?
A. 0
B. 1
C. 1930
D. 1929
115. A man has 1044 candles. After burning, he can make a new candle from 9 stubs left behind. Find the maximum number of candles that can be made.
A. 116
B. 120
C. 130
D. 140
116. If the numbers from 1 to 45 which are exactly divisible by 3 are arranged in ascending order, minimum number being on the top, which come at the ninth place from the top?
A. 18
B. 24
C. 21
D. 27
117. Suman's income is Rs. 12000 per month. She pays $20 \%$ tax on monthly income above Rs. 2000 and she spends $30 \%$ of the remining income. How much does she save annually?
A. 70,000
B. 60,000
C. 84,000
D. 50,000
118. In an election between two candidates, a candidate who got $40 \%$ of total votes is defeated by 15,000 votes. The number of votes received by the winning candidate is
A. 6,000
B. 10,000
C. 22,500
D. 45,000
119. A person sells an article for Rs. 360 at a loss of $10 \%$. For what price should he sell the same article to gain $20 \%$ ?
A. 480
B. 440
C. 432
D. 400
120. A horse and a cow were sold for Rs. 12,000 each. The horse was sold at a loss of $20 \%$ and the cow at a gain of $20 \%$. The entire transaction has resulted in:
A. loss of Rs. 1000
B. Gain of Rs. 2000
C. loss of Rs. 500
D. No loss or gain
121. Mukul bought a TV with $20 \%$ discount on the labelled price. Had he bought it with $25 \%$ discount, he would have saved Rs. 500 . At what price did he buy the TV?
A. Rs. 16,000
B. Rs. 12,000
C. Rs. 10,000
D. Rs. 8,000
122. A cricketer has a certain average of 9 innings. In the tenth inning, he scores 100 runs, thereby increasing his average by 8 runs. Calculate his new average.
A. 8
B. 20
C. 28
D. 36
123. 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?
A. 6.25
B. $\quad 6.50$
C. $\quad 6.75$
D. 7.00
124. In an engineering college the average salary of all engineering graduates from Mechanical trade is Rs. 2.45 lacs per annum and that of the engineering graduates from electronics trade is Rs. 3.56 lacs per annum. The average salary of all Mechanical and Electronics graduates is Rs. 3.12 lacs per annum. Find the least number of Electronics graduates passing out from this institute.
A. 43
B. 59
C. 67
D. Cannot be determined
125. Sumit and Rajan, run on a circular track of circumference 600 m with a speed of 5 $\mathrm{km} / \mathrm{h}$ and $2 \mathrm{~km} / \mathrm{h}$. They start from the same place at the same time and in the same direction. When will they be together again for the first time?
A. $\quad 180 \mathrm{~s}$
B. 360 s
C. 540 s
D. 720 s
126. Jai started cycling along the boundaries of a square field from corner point A. After half an hour he reached the corner point $C$, diagonally opposite to $A$. If his speed was 8 $\mathrm{km} / \mathrm{h}$, the area of the field in square km is
A. 64
B. 8
C. 4
D. 12
127. If 5 men take an hour to dig a ditch, then how long should 12 men take to dig a ditch of the same type?
A. 25 min
B. 30 min
C. 28 min
D. 20 min
128. A train covers 180 km distance in 4 h . Another train covers the same distance in 1 h less. What is the difference in the distance covered by these trains in one hour?
A. 45 km
B. $\quad 9 \mathrm{~km}$
C. 40 km
D. None of these
129. On a certain amount of money, the simple interest for 2 year is Rs. 50 at the rate of $5 \%$ per annum. Find the difference in Cl and SI .
A. 1.25
B. 51.25
C. 48.75
D. 52.5
130. The compound interest on a sum at the rate of $5 \%$ for two years is Rs. 512.50 . The sum is
A. Rs. 5200
B. Rs. 4800
C. Rs. 5000
D. Rs. 5500
131. $A$ and $B$ can do $a$ job in 10 days. $B$ and $C$ can do the same job in 15 days. If all three together can do the work in 6 days, then in how many days can $B$ complete the whole job?
A. 10 days
B. 12 days
C. 18 days
D. None of these
132. If TEMPLE is coded as VHQNIA, how would you code CHURCH in the same language?
A. EKYPZC
B. EKYPYD
C. EKYPZD
D. EKYQZD
133. If ' Men are very busy' means ' 1234 ', 'Busy persons need encouragement' means '4567', 'Encouragement is very important' means '3589' and 'Important persons are rare' means ' 2680 ', what is the code for 'encouragement'?
A. 5
B. 6
C. 8
D. 9
134. 'Shoes' is related to 'Leather' in the same way as 'Rubber' is related to
A. Plastic
B. Polythene
C. Latex
D. Chappal
135. Three out of four pairs of numbers have the same relationship. Find the odd-man out?
A. $4: 63$
B. $1: 0$
C. $5: 124$
D. $2: 15$
136. How many 3's are immediately preceded by 9 but not immediately followed by 5 in the following number series?

934593593643933539539375759395
A. 4
B. 5
C. 6
D. 3
137. Sunita is taller than Seema and Renu, Renu is shorter than Radha and Gauri. Bina is taller from Radha and Shorter than Sunita. Sunita is not the tallest and Renu is not the shortest.

From the above, who is the tallest?
A. Sunita
B. Bina
C. Gauri
D. Data inadequate
138. Sunita is taller than Seema and Renu, Renu is shorter than Radha and Gauri. Bina is taller from Radha and Shorter than Sunita. Sunita is not the tallest and Renu is not the shortest.

From the above, who is the shortest?
A. Radha
B. Renu
C. Bina
D. None of these.
139. Sunita is taller than Seema and Renu, Renu is shorter than Radha and Gauri. Bina is taller from Radha and Shorter than Sunita. Sunita is not the tallest and Renu is not the shortest.

From the above, what is the position of Radha from the shorter end?
A. Fourth
B. Second
C. Third
D. None of these
140. Sunita is taller than Seema and Renu, Renu is shorter than Radha and Gauri. Bina is taller from Radha and Shorter than Sunita. Sunita is not the tallest and Renu is not the shortest.

Based on the above, which of the statement is definitely correct?
A. Bina occupies the third position from the top.
B. Seema is taller than Renu.
C. Gauri is shorter than Radha.
D. None of the above.
141. Lakshman went 15 km to the west from his house, then turned left and walked 20 km . He then turned East and walked 25 km and finally turning left covered 20 km . How far is he now from his house?
A. 15 KM
B. 20 KM
C. 25 KM
D. 10 KM
142. Six persons are sitting in a circle. $A$ is facing $B$. $B$ is to the right of $E$ and left of $C$. $C$ is to the left of $D$. $F$ is to the right of $A$. Now $D$ exchanges his seat with $F$ and $E$ with $B$.

Who will be sitting to the left of $D$ ?
A. B
B. F
C. E
D. A
143. Six persons are sitting in a circle. $A$ is facing $B$. $B$ is to the right of $E$ and left of $C$. $C$ is to the left of $D$. $F$ is to the right of $A$. Now $D$ exchanges his seat with $F$ and $E$ with $B$.

Who will be sitting to the left of $C$ ?
A. E
B. F
C. A
D. $B$
144. Six persons are sitting in a circle. $A$ is facing $B$. $B$ is to the right of $E$ and left of $C$. $C$ is to the left of $D$. $F$ is to the right of $A$. Now $D$ exchanges his seat with $F$ and $E$ with $B$.
Who will be sitting opposite of $A$ ?
A. E
B. F
C. D
D. $B$
145. Six persons are sitting in a circle. $A$ is facing $B$. $B$ is to the right of $E$ and left of $C$. $C$ is to the left of $D$. $F$ is to the right of $A$. Now $D$ exchanges his seat with $F$ and $E$ with $B$.

Who will be sitting opposite to $C$ ?
A. $E$
B. D
C. B
D. A
146. In the following series one number is wrong. Find out the wrong number.

2, 3, 9, 27, 112, 565, 3396
A. 565
B. 9
C. 112
D. 27
147. In the following series one number is wrong. Find out the wrong number. $701,348,173,85,41,19,8$
A. 173
B. 41
C. 19
D. 348
148. Pointing towards a lady, a man said, "The father of her brother is the only son of my grandfather." How is the lady related to that man?
A. Sister
B. Daughter
C. Bua (Father's sister)
D. Mother-in-law
149. Find out the missing number.

| 14 | 28 | 42 |
| :---: | :---: | :---: |
| 2 | 4 | 6 |
| 36 | 112 | 246 |
| 18 | 56 | $?$ |

A. 120
B. 201
C. 123
D. 303
150. Find out the missing number.

| 2 | 3 | 5 |
| :---: | :---: | :---: |
| 9 | 17 | 33 |
| 65 | 129 | $?$ |

A. 228
B. 199
C. 257
D. 209

