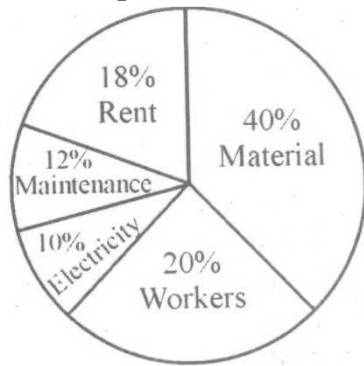


Directions : The following Pi-chart shows the break-up of costs in running a dining hall in the hostel. Study the figure and answer questions (1-3) below:



- If the electricity charges are Rs 40,000, the workers are paid a total of
Ans (C) Rs.80,000
- If maintenance costs are Rs. 60,000, the materials cost is
Ans (B) Rs.200000
- If the total electricity and maintenance costs are Rs. 1,10,000, how much is the rent ?
Ans (B)Rs.90000
- A retailer buys 20 pens for Rs.40 and sells it at the rate Rs. 40 for 15 pens.What is the profit margin ?
Ans (C) 33%
- A man travels 480 kms. He covers two-thirds of this distance by train, one-fifth by bus and remaining by taxi. What is the distance travelled by taxi ?
Ans (C) 64km
- Which one of the following fractions is not less than $\frac{2}{3}$
Ans (D) $\frac{17}{24}$
- if it takes 15 women to sow an acre in two days, how many women does it take to sow three acres in a day ?
Ans (B) 90
- One kg of rice, one kg of dal and 500 ml of oil costs Rs. 320. Dal costs twice as much as rice. Further, 1000 ml of oil and 2 kgs of rice cost Rs. 480. How much does the dal cost ?
Ans (C) 80
- If $a=3$ and $b*c = \frac{\sqrt{(b-c)+(b^2-c^2)}}{2bc}$
then calculate $a \times b * c$ for $b = 7, c = 3$.
Ans (A) $\sqrt{11/7}$
- The average temperature calculated from data for Monday through, Wednesday is 36°C . However when data for Thursday is included, the average increases by 1°C . What was the temperature recorded on Thursday?
Ans (D) 40°C
- The average electricity bill of a household from January to June is Rs. 980 for July to September is Rs. 670 for October to December is Rs. 720. It

the family goes on vacation for June and July and no electricity is used, what is the average electricity bill for that year would be ?

Ans (C) Rs.700

12. The area of a rectangular field with sides in 2:1 ratio is 162 m^2 There is a proposal to make a 1 m wide walking track all along the perimeter of the field. How much would be the reduction in the area?

Ans (B) 50m^2

13. In the following sentence, identify the meaning of word "graceful" : The dancer was graceful in her movements.

Ans (C) Eloquent

14. Mr. Mohan travels to his work place first by bus and then by metro. The average speeds of bus and metro are 30 km/hr and 60 km/hr, respectively.

The distances covered by bus and metro are in the ratio of 1 : 6. If Mr. Mohan reaches office in one hour, how far is his office ?

Ans (C) 52.5 km

15. A merchant has 300 litres of coconut oil, 330 litres of groundnut oil and 420 litres of sunflower oil. He wants to store them in cans of equal volume.

What is the minimum numbers of cans that he needs?

Ans (C) 35

16 Mr. Raju invests in a systematic investment plan in which he deposits Rs. 1 000. per year for three years. If interest is calculated as 11 (simple interest) at the end of three years, how much is the interest earned by Mr. Raju ?

Ans (B) Rs.660

Directions : Read the following excerpt and answer questions (17-21) asked at the end. The answers to the questions should be based on the excerpt. **Today birds inhabit every continent. There are nearly 9000 species classified into 27 orders. Some orders have only one species. The order Passeriformes (perching birds) contains the largest number of species. The most evolved birds are found in the Passeriformes order - sparrows, finches, crows, jays etc. It has generally been found that the survival rate of the primitive order is much poorer compared to the highly evolved ones. The ability to fly - like many other biological properties of living beings - came about as an adaptation to particular conditions. The variety of habitats and the varied responses to them has led to an incredible diversity of flight techniques. Sparrows cannot glide; the larger vultures are champion gliders but cannot take-off without a run into the wind. Penguins and ostriches cannot fly; geese fly over the Himalayas. It would appear as if no two species fly exactly the same manner.**

17. Which of the following inferences can be drawn from the above excerpt ?

Ans (C) Ability to fly is a result of adaptation to particular conditions.

18. Which of the following statement is FALSE ?

Ans (C) Large vultures fly over Himalayas by gliding.

19. According to the excerpt what led to the diversity of flight techniques ?

Ans (B) Variety of habitats and varies responses to them

20. Which of the following statements is WRONG in the context of the above excerpt ?

Ans (C) almost all the species fly exactly in the same manner.

21. Which of the following inferences can be drawn from the above excerpt ?

Ans (A) To order with the largest numbers of species is also the most evolved.

Directions ; Read the following excerpt and answer questions (22 - 26) asked at the end. The answers to questions should be based on the excerpt. The other challenge to the belief that science is primarily logical comes from its own practice. First of all, the success of science can not be explained if we look at science primarily as something logical. Science creates its concepts in ways that draws upon different types of intuition. For example, in physics some concepts are physically intuitive while some are mathematically intuitive.

Science cannot be reduced to logic Even mathematics couldn't be although there is much more in mathematics which is purely about logic. Descartes could not create physics that Newton did because he made one cardinal mistake : he thought that physics was reducible to mathematics and it was 'part' of mathematics.

22. Which of the following inferences can be drawn from the above excerpt ?

Ans (B) Scientific concepts are created using different types of intuition

23. Based on the above excerpt, which of the following statement is FALSE ?

Ans (A) Physical concepts can be created using only physical intuition.

24. According to the excerpt, what was Descartes' mistake ?

Ans (D) He thought physics was part of mathematics.

25. Which of the following statements is WRONG in the context of above excerpt ?

Ans (B) physics is not part of science

26. Which of the following inferences can be drawn from the above excerpt ?

Ans (B) Neither Science nor mathematics is reducible to logic.

27. Educational institutions have always been the most important means of transferring the wealth of tradition and knowledge from one generation to the next. The role of such institutions has become even more important today, because the role of family imparting them have "weakened, owing to the development of economy. This passage best supports the statement that – for transforming the wealth of tradition and knowledge from one generation to the next.

Ans (C) Relevance of educational institutions has increased

28. The only true education comes through the stimulation of a child's power by the demands of the social situations in which he/she finds himself/herself. Through these demands, he/she – is stimulated to act as a member of a unity, to emerge from his/her original narrowness of action and feeling, and to conceive himself/herself from the stand point of the welfare of the group to which he/she belong. The passage best supports the statement that real education

Ans (D) Comes through the interaction with social situation

29. A large number of exit polls predict that party A is heading for a landslide victory in the elections.

Which of the following is true ?

Ans (D) None of the above

30. Based on the number of plane accidents in the recent past, someone makes the statement that air travel is riskier than train travel. In order to make his statement fully correct, he must

Ans (B) have the data about the number of flights and train operated over a reasonable period of time along with the number of accidents of both these modes of transport

31. There were 28 days in February 2013. This means that

Ans (A) All the 7 days of week occur 4 time each.

32. Indian nationality is a condition for admission in a particular course that has a fixed number of seats. First class at the masters level is another requirement for the admission. In order that one gets a seat, Ans (A) Indian Nationality is necessary, but not a sufficient condition.

33. To forgive a person for his/her mistakes is often considered to be a sign of weakness; in reality, it is a sign of strength. It is easy to allow one self to be carried away by resentment and hate into an act of vengeance; but it takes a strong character to restrain those natural passions. The man who forgives an injury proves himself to be the superior of the man who wronged himself and puts the- wrong-doer to shame. The passage best supports the statement that:

Ans (C) mercy is the noblest form of revenge.

34. There is a shift in our economy from a manufacturing to a service orientation. The increase in service sector will require the managers to work more with people rather than with objects and things from the assembly line. Hence,

Ans (B) interpersonal skills will become more important in the future work place.

35. Though the waste of time or expenditure on fashions is very large, yet fashions have come to stay. They will not go, whatever happens. However, 'what is now required is that-strong efforts should be made to displace the excessive craze for fashion from the minds of these youngsters. This passage best supports the statement that:

Ans (D) The hoard for fashion should be done away with so as not to let down the constructive development

36. Satisfaction with co-workers, promotion opportunities, the nature of work, and pay go with high performance among those with strong growth needs. Among those with weak growth needs, no such relationship is present and, in fact, satisfaction with promotion opportunities goes with low performance. This passage best supports the statement that:

Ans (C) Relationship between job satisfaction and performance is moderated by growth need.

37. Stacey, Caria, Julia and Rose want to take seats in a cinema. There is only 1 isle seat and the rest are in the same line next to it. If Rose wants to sit in the isle seat, Julia wants to sit next to Stacey and Caria doesn't want to sit next to Julia, how will they sit (starting at the isle) ?

Ans (A) Rose,Julia,Stacey,Carla

38. Michael, John, Tanya and Robert are putting together a band. They need a singer, a bass player, a drummer, and a guitarist. If Tanya can play the bass and sing, Michael can sing and drum, Robert can drum and play guitar, and John can play guitar, which of the arrangements make sense ?

Ans (D) Micheal-Sing,Tanya-bass,Robert-drum, John-guitar

39. I have a tiger, a lion, a bunny, a sheep, a carrot, and a cabbage. The bunny and the sheep will eat the cabbage or the carrot, the lion and the tiger will eat the bunny or the sheep, and the lion will fight the tiger. If I have cages that can fit 2 animals or 2 vegetables each, what is the minimum number of cages I need to fit all of them without any fighting or eating going on ?

Ans (C) 3: lion and carrot, tiger and cabbage and carrot

40. A financial genius is someone who manages to earn more than his family can spend. Which of the following is closest in meaning to the above

sentence ?

Ans (D) A financial genius is one who can save a little of his earnings

Directions : In each of the Questions 41 -56 below is given a statement followed by two assumptions/arguments numbered I and II.

Consider the statement and decide which of the given assumptions is implicit. Please select your answer, considering one of the-following :

41. **Statement :** The management of a company has asked all the employees to disclose their annual income and the total assets. But the employees' union decided to strongly reject the demand.

Assumption I : The employees have no illegal income.

Assumption II : The union wants the top management brass to declare their assets first and set an example.

Ans (D) Neither assumption I nor assumption II is correct

42. **Statement :** The medical department has asked people to use only boiled water in an attempt to prevent the spread of cholera in a town.

Assumption I : There is a doubt about the quality of water being supplied in the town.

Assumption II : There is some report of cholera in town.

Ans (C) Both the assumptions are correct

43. **Statement :** Many bookshops are being closed down As their sales are going down and We shop rents are increasing,

Assumption I : Reading habit of people is coming down.

Assumption II: The bookshops net profit is decreasing.

Ans (B) Only assumption II is correct

44. **Statement :** Food shortage is going to be a serious issue because of production shortage due to climate change and population increase all over the world.

Assumption I : Food prices are likely to increase.

Assumption II : Climate change is a ' serious issue.

Ans (C) Both the assumptions are correct

45. **Statement :** Should there be an urgent need to have judicial ' and police reforms ?

Argument I : Yes, this will bring speedy justice, which will have a big impact in the society.

Argument II : No, there are other issues which have higher priorities.

Ans (A) Argument I is strong

46. **Statement :** Should school education be subsidized for everyone ?

Argument I : Yes, it will help a large number of people since a major fraction of our population is middle class or below.

Argument II : No, it is a huge burden for cash-strapped exchequer.

Ans (A) Argument I is strong

47. **Statement :** Should we give equal importance to all sport items ?

Argument I : Yes, we should not show bias to a particular sport item.

Argument II : No, we should choose a few and concentrate only on them so that we can excel in them.

Ans (A) Argument I is strong

48. **Statement :** Should cell phones be banned in colleges to tackle the problems of misuse by students

Argument I : Yes, banning will reduce the misuse.

Argument II : No, it will have only a very limited impact.

Ans (B) Argument II is strong

49. **Statement :** Should the Government allow foreign companies to invest in power projects in India ?

Argument I : Yes, it will definitely address the acute power problem in our country.

Argument II : No, it is surrendering to foreign interests.

Ans (A) Argument I is strong

50. **Statement :** Should the railways immediately stop issuing free passes to all its employees ?

Argument I : No. The employees have the right to travel free.

Argument II : Yes. This will help railways to provide better facility.

Ans (D) Neither I nor II is strong

51. **Statement :** It is desirable to put the child in school, at the age of 5 or so.

Assumption I : At that age child reaches appropriate level of development and is ready to learn.

Assumption II : The schools do not admit children after six years of age.

Ans (A) Only assumption I is implicit

52. **Statement :** Double your money in five months - An advertisement.

Assumption I : The assurance is not genuine.

Assumption II : People want their money to grow.

Ans (B) Only assumption II is implicit

53. **Statement :** The Chairman and Secretary of the housing society have requested society members to use water economically to help society save on water tax.

Assumption I : Majority of members of the society are likely to follow the request.

Assumption II : It is desirable to reduce expenditure wherever possible.

Ans (B) Only assumption II is implicit

54. **Statement :** Should education be made compulsory for all children till the age of 14?

Argument I : Yes. This will help eradicate the system of forced employment of children.

Argument II : Yes. This would increase the standard of living

Ans (D) Neither I nor II is strong

55. **Statement :** Should number of holidays of government employees be reduced ?

Argument I : Yes. Our government employees are having maximum number of holidays among the other countries of the world.

Argument II : Yes. It will lead to increased productivity of government offices.

Ans (B) Only argument II is strong

56. **Statement :** Should the Government stop spending huge amounts of money on international sports.?

Argument I : Yes. This money can be utilized for poor.

Argument II : No. Sports persons will be frustrated and will not get international exposure.

Ans (B) Only argument II is strong

57. Your friend informs you about harassment at her work place. You will

Ans (C) Tell her to complain to the appropriate authority

58. You are the health officer of an organization and have received complaints about stray animals causing nuisance. What action do you take ?

Ans (C) Explain to the complaining parties that you will find a humane solution to the problem that does not involve removing the animals from their native territory.

59. You have formed a selecting committee for hiring office assistants to ensure uniform and fair evaluation, you instruct the committee members to give marks out of 10 to each candidate. Some committee members refuse to do so and say that they will only give "Yes" and "No" to each candidate. What will you do ?

Ans (B) You explain the process to the committee members and insist that they follow the procedure to ensure uniform and fair evaluation.

60. You receive a complaint from a subordinate that one of his colleagues is stealing stationery from the office stock. You will

Ans (A) Form a committee to look into the complaint and if true will take necessary action

61. Someone has filed an RTI query and you think the information - if made public - will reflect badly on the performance of the office. What do you do ?

Ans (D) Promptly give the appropriate information sought in the RTI query

62. In a circular clock, the number of the Hour and Minute Hand make a right angle during 24 hours is equal to :

Ans (C) 44

63. Observe the pair of numbers to the left part of : ::, which has certain relationship. Using the same relationship, what should be the missing numbers of the pair on the right side

121 : 6 :: 189 : ?

Ans (A) 12

64. In the list of four items, three belong to a group and one does not. Which is the odd one ?

Ans (D) Pentagon

65. In the following series, which is the missing number ? 0 3 ? 15 24

Ans (C) 8

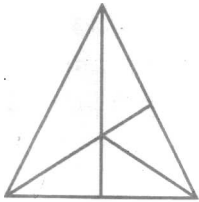
66. A girl is facing North direction and rotates herself by 45°, The girl will now face

Ans (A) North-west or North -East

67. Find out the missing alphabet in the following series : A Z C ? E V

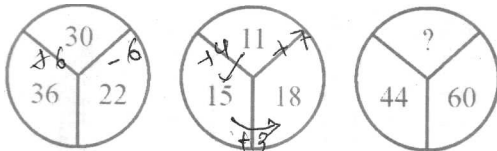
Ans (C) X

68. How many triangles are there in the given figure ?



Ans (B) 12

69. The missing number in the figure shown below is



Ans (C) 72

70. In a coding system. APPLE is represented as ZKKOV. In such system, COW will be represented as

Ans (A) XLD

71. If "JUICE" is coded as "19-41-17-5-9", then "TOY" will be coded as

Ans (A) 39-29-49

72. In the list of four items, three belong to a group and one does not. Which is the odd one ?

Ans (D) Rain

73. Out of given four choices, three are similar in a certain way and one is different. Find out the different one.

Ans (C) NLKJI

74. What is the missing ratio in the following series ?

A	22	?	14	U
26	E	?	0	10

Ans (B) 1/18

75. Use some rule and then find out the right option of the Blank cell (C)

Ans.(c) 29

5	8	7
11	17	15
21	33	?

76. Letters showing the names of some fruits have been rearranged. Identify the fruit which has the highest Vitamin C content.

Ans (A) RNEGOA

77. if PALE is coded as 7865 and EARTH as 58432.

Then ALERT is

Ans (C) 86543

78. How many 8's are there in the following sequence which are preceded by 6 and followed by 9?

9 4 8 6 3 2 7 1 8 6 8 9 8 1 3 6 8 9 7 8 6 3 1 3 6 8 4 3 6 3 9

Ans (A) 2

79. Letters are arranged in a particular order with some criterion. Find out the right one to fill-in the blank:

Ans (D) MNOP

80. In a series given below there is a specific relation in the numbers: 48, 24, 72, 36, 108

Find out the correct answer from the given choices to fill-in-the blanks

Ans (D) 54

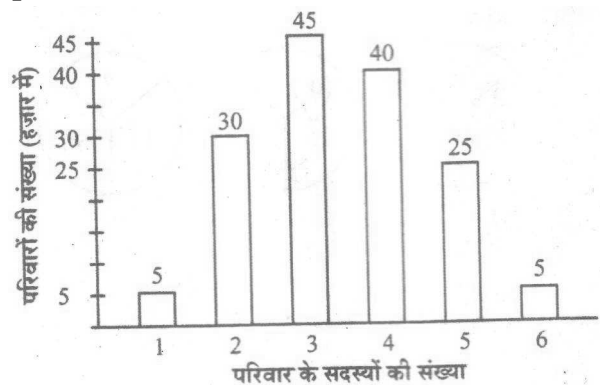
81. If BHOPAL = CGPOBK, then GWALIOR = ?

Ans (A) HVBKJNS

82. In a class Anil ranks 7th from the top, Rohit is 7 ranks ahead of Sumit and 3 ranks behind Anil. Vijay, who is 4th from the bottom is 32 ranks behind Sumit. How many students are there in the class?

Ans (C) 52

Directions : The data on family sizes in a town is given below. Based on the figure, answer questions (83 - 85) below:



83. The average family size calculated from the given data is

Ans (C) 3.4

84. The fraction of families with size less than the average family size is

Ans (B) 8/15

85. The % of families with more than four family members

Ans (B) 20%

प्रश्न संख्या 86 से 90 के उत्तर निम्नलिखित अवतरण के आधार पर दीजिए :

“मनुष्य के लिए कविता इतनी प्रयोजनीय वस्तु है कि संसार की सभ्य-असभ्य सभी जातियों में, किसी-न-किसी रूप में पाई जाती है। चाहे इतिहास न हो, विज्ञान न हो, दर्शन न हो, पर कविता का प्रचार अवश्य रहेगा। बात यह है कि मनुष्य अपने ही व्यापारों का ऐसा सघन और जटिल मण्डल बाँधता चला आ रहा है जिसके भीतर बाँधा-बाँधा वह शेष सृष्टि के साथ अपने हृदय का सम्बन्ध भूला-सा रहता है। इस परिस्थिति में मनुष्य को अपनी मनुष्यता खोने का डर बराबर रहता है। इसी की अन्तः प्रकृति में मनुष्यता को समय-समय पर जगाते रहने के लिए कविता मनुष्य जाति के साथ चली आ रही है, और चलती चलेगी।”

86.

कविता मानव का पथ कब प्रशस्त करती है ?

Ans (C) जब वह अपनी मनुष्यता को खोने के डर से भयभीत रहता है

87.

‘वह शेष सृष्टि के साथ अपने हृदय का संबंध भूला-सा रहता है।’ वाक्य में ‘वह’ शब्द किसके लिए प्रयुक्त हुआ है ?

Ans (C) सम्पूर्ण मनुष्य जाति के लिये

88.

कविता में प्रयोजनीयता के संबंध में कौन सा कथन सत्य है ?

Ans (C) वह मनुष्य की अंतः प्रकृति में मनुष्यता को जगाते रहने का काम करती है

89.

इनमें से कौन सा कथन सत्य नहीं है ?

Ans (C) कविता मनुष्य को ऐसा सघन और जटिल मण्डल बाँधने का गुर सिखाती है कि वह मानवीय दायित्वों को भूल जाता है

90.

मनुष्य को अपनी मनुष्यता खोने के भय से कविता किस प्रकार मुक्ति दिलायेगी ?

Ans (C) मनुष्य की अंतःप्रकृति में मनुष्यता जगाकर

91.

‘लहर’ किस प्रकार की संज्ञा है ?

Ans (B) जातिवाचक

92.

‘अनुभाव’ किसे कहते हैं ?

Ans (C) आश्रय की बाह्य शारिरिक चेष्टाओं को

93.

निम्नलिखित में से कौन सा ‘आज्ञार्थक वाक्य’ है ?

Ans (B) अभिषेक पुस्तक लाओ।

94.

इनमें से कौन सा वाक्य संदेहवाचक है ?

Ans (C) शायद, सुरेन्द्र इगतपुरी में रहता है।

95.

निम्नलिखित में से सही कथन क्या है ?

Ans (A) उल्लाला मात्रिक छंद है।

96.

‘सेवा सदन’ किसकी रचना है ?

Ans (C) प्रेमचंद

97.

‘हरी घास पर क्षण भर’ किस कवि का काव्य संग्रह है ?

Ans (A) अज्ञेय

98.

‘चाँद का मुँह टेढ़ा है’ किस कवि का काव्य संग्रह है ?

Ans (B) मुक्तिबोध

99.

‘होरी’ किस उपन्यास का पात्र है ?

Ans (D) गोदान

100.

खड़ीबोली को किस अन्य नाम से जाना जाता है ?

Ans (B) कौरवी