SNAP 2006 Question Paper

Time Allowed :2 Hours	Maximum Marks :150	Total questions :150

Q1. Milk and water in two vessels A and B are in the ratio 4:3 and 2:3 respectively. In what ratio the liquids in both the vessels should be mixed to obtain a new mixture in vessel C, containing half milk and half water?

A) 1:1

B) 7:5

C) 2:4

D) 1:3

Q2. A picture was bought at a certain sum, which was the price paid for its frame. Had the frame cost ₹100 less and the picture ₹75 more, the price of the frame would have been only half of the picture. What is the price of the frame?

A) 75

B) 100

C) 175

D) 275

Q3. What is the closest time between 7 and 8 when the hands of your watch are exactly opposite each other?

A) 7 Hr – 5 Min

B) 7 Hr – 5.5 Min

C) 7 Hr – 6 Min

D) 7 Hr – 6.5 Min

Q4. There are 6 tickets to the theater, four of which are for seats in the front row. 3 tickets are selected at random. What is the probability that two of them are for the front row?

A) 0.6

B) 0.7

C) 0.9

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

Q5. When 75% of a number is added to 75, the result is the same number. The number is

A) 150

B) 300

C) 100

D) 450

Q6. Amy traveled $\frac{4}{7}$ as many miles on foot as by water and $\frac{2}{5}$ as many miles on horseback as by water. If she covered a total of 3036 miles, how many miles did she travel in each manner: water, foot, and horseback?

A) 1540, 880, 616

B) 616, 880, 1540

C) 1540, 616, 880

D) 880, 1540, 616

Q7. A family has several children. Each boy in the family has as many sisters as brothers but each girl has twice as many brothers as sisters. How many brothers and sisters are there?

A) 3 Brothers, 4 Sisters

B) 4 Brothers, 4 Sisters

C) 4 Brothers, 3 Sisters

D) Cannot say

Q8. You are given 50 white marbles, 50 black marbles, and two jars. You need to put 100 marbles in any of these two jars. The jars will then be shaken and you will be asked to pick one marble from either jar. How would you distribute the marbles in two jars to maximize the possibility of picking a white marble blindfolded?

A) 25 white and 25 black in each

B) 1 white in one and 99 in the other

C) 50 white in one and 50 black in the other

D) All hundred in one

Q9. The number plate of a bus had peculiarity. The bus number was a perfect square. It was also a perfect square when the plate was turned upside down. The bus company had only five hundred buses numbered from 1 to 500. What can be the number?

A) 169

B) 36

C) 196

D) Cannot say

Q10. If 5 spiders can catch five flies in five minutes, how many flies can 100 spiders catch in 100 minutes?

A) 100

B) 1000

C) 500

D) 2000

Q11. Recently my brother and I played chess for chocolates. Whoever lost the game gave the other a chocolate. After the last game we counted the chocolates. I had 20

more chocolates than I started with, although he won 7 games. There is no draw. How many games did we play?

A) 27

B) 34

C) 37

D) 54

Q12. Study the series carefully 'B 8 4 C R M 9 P D K W F A 2 E J 7 X U Q H L T Y 6 G S'. If it is possible to make a meaningful word with the ninth, the sixteenth, the twenty-fourth and the twenty-seventh letters from the left in the above series, which of the following will be the first letter of the word? If no such word can be made, give 'X' as an answer. If more than one such word can be made, give 'M' as an answer.

A) X

B) M

C) J

D) Y

Q13. The value is $\frac{1}{4}$-th power of 5 multiplied by $(125)^{0.25}$. That is, $(5^{1/4}) \times (125^{0.25})$.

A) 5

B) 25

C) 50

D) 10

Q14. Imagine you have two large pitchers, A and B. A contains 10 litres of wine and B contains 10 litres of water. One litre of water is removed from B and poured into A. The liquid is mixed very well. Then one litre of the mixture from A is poured into B. Which of the following statements is true?

A) The water contents in A is more than the wine contents in B

B) The water contents in A is less than the wine contents in B

C) The water contents in A is the same as the wine contents in B

D) None of these

Q15. Anand, Binoy, Chetan and Dharma together have ₹47 with them. Anand and Binoy together have ₹27; Chetan and Anand have ₹25; and Dharma and Anand have ₹23. How much money does Binoy have?

A) 9

B) 11

C) 13

D) 28

Q16. David gets on the elevator at the 11th floor of a building and rides up at the rate of 57 floors per minute. At the same time Albert gets on an elevator at the 51st floor of the same building and rides down at the rate of 63 floors per minute. If they continue traveling at these rates, at which floor will their elevators meet?

A) 19

B) 30

C) 28

D) 37

Q17. The average of 5 consecutive numbers is n. If the *next two* numbers are also included, the average will

A) remain the same

B) increase by 1

C) increase by 1.4

D) increase by 2

Q18. Which is the wrong term in the following sequence?   52, 51, 48, 43, 34, 27, 16

A) 27

B) 34

C) 43

D) 48

Q19. P is six times as large as Q. By what per cent is Q less than P?

A) $16\frac{2}{3}\%$

B) 60%

C) $83\frac{1}{3}\%$

D) 90%

Q20. When a heap of pebbles is grouped in 32, 40 or 72, it is left with remainders 10, 18 and 50 respectively. What is the *minimum* number of pebbles in the heap?

A) 1416

B) 1418

C) 1412

D) 1420

Q21. Each of the series $S_1 = 2 + 4 + 6 + \cdots$ and $S_2 = 3 + 6 + 9 + \cdots$ is continued to 100 terms. How many terms are identical in the two series?

A) 34

B) 33

C) 32

D) None of these

Q22. Ram Singh goes to Pushkar Mela with Rs 10000 to buy exactly 100 animals. He finds that cows are sold at Rs 1000, horses at Rs 300 and chicken at Rs 50. How many chicken should he buy to meet his target of 100 animals?

A) 92

B) 94

C) 90

D) 88

Q23. Fill in '+' or '−' sign in between these numbers so that they give the correct answer:

$$1 \quad 2^3 \quad 3^3 \quad 1 \quad 4^3 = 31$$

A) + + - -

B) + + + -

C) - - + +

D) - - - +

Q24. Symbiosis runs a Corporate Training Programme. At the end of running the first programme its total takings were Rs 38950. There were more than 45 but less than 100 participants. What was the participant fee for the programme?

A) Rs 410

B) Rs 450

C) Rs 500

D) Rs 510

Q25. Complete the series: 1, 6, 6, 36, 216, ...

A) 7775

B) 7776

C) 7777

D) 7778

Q26. Three friends had a dinner at a restaurant. When the bill was received Amita paid $\frac{2}{3}$ as much as Veena paid and Veena paid $\frac{1}{2}$ as much as Tanya paid. What fraction of the bill did Veena pay?

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

B) $\frac{3}{11}$

C) $\frac{12}{31}$

D) $\frac{5}{8}$

Q27. 128 players start in the men's singles at a tennis tournament, where this number reduces to half on every succeeding round. How many matches are played totally in the event?

A) 63

B) 48

C) 127

D) 144

Q28. A crew can row 10 miles in $\frac{5}{6}$ of an hour downstream and 12 miles upstream in 90 minutes. Find the current's rate and crew's rate in still water.

A) 12 mph, 4 mph

B) 10 mph, 2 mph

C) 8 mph, 4 mph

D) 12 mph, 2 mph

Q29. If Swamy has two children and he truthfully answers yes to the question "Is at least one of your children a girl?" what is the probability that both his children are girls?

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

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

C) 1

D) 0

Q30. Starting from his house one day, a student walks at a speed of $2\frac{1}{2}$ kmph and reaches his school 6 minutes late. Next day he increases his speed by 1 kmph and reaches his school 6 minutes early. How far is the school from the house?

A) 1 km

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

C) $1\frac{3}{4}$ km

D) 2 km

Q31. What year comes next in the sequence 1973, 1979, 1987, 1993, 1997, 1999, …?

A) 2001

B) 2003

C) 2005

D) 2007

Q32. The numbers of students studying Physics, Chemistry and Zoology in a college were in the ratio $4:3:5$. If the numbers in these disciplines increased by 50%, 25% and 10% respectively in the next year, what is the new respective ratio?

A) $24:15:22$

B) $18:11:13$

C) $24:13:17$

D) Cannot be determined

Q33. A man earns ₹20 on the first day and spends ₹15 on the next day. He again earns ₹20 on the third day and spends ₹15 on the fourth day, and so on. If he continues like this, how soon will he have ₹60 in hand?

A) On 17th day

B) On 27th day

C) On 24th day

D) On 30th day

Q34. A game of football with 11 players lasts exactly 90 minutes. There are four substitutes that alternate equally. If each player plays for the same length of time, what is the duration?

A) 22.5 mins

B) 18 mins

C) 66 mins

D) None of the above

Q35. A, B and C start a business each investing ₹20,000. After 5 months A withdrew ₹5,000, B withdrew ₹4,000 and C invested ₹6,000 more. At the end of the year the total profit is ₹69,900. What is B's share of profit?

A) ₹20,500

B) ₹21,200

C) ₹28,200

D) ₹27,300

Q36. The current birth rate is 32 per thousand and the death rate is 11 per thousand. What is the population growth rate (in %)?

A) 0.021%

B) 0.21%

C) 2.1%

D) 21%

Q37. A difference between two numbers is 1365. When the larger number is divided by the smaller one, the quotient is 6 and the remainder is 15. What is the smaller number?

A) 240

B) 360

C) 270

D) 295

Q38. Two vertical poles are 40 metres apart and the height of one is double that of the other. From the middle point of the line joining their feet, an observer finds the angular elevations of their tops to be complementary. Find their heights.

A) 14.14 m, 28.28 m

B) 12 m, 22 m

C) 12.12 m, 24.24 m

D) None of these

Q39. Meera and Sameera start moving from the same point. Meera goes 4 km west followed by 3 km north. Sameera goes 4 km east and then takes a right turn and goes 3 km. What is the shortest distance between them?

A) 10 kms
B) 12 kms
C) 8 kms
D) 14 kms

Q40. A boy was asked to multiply a certain number by 53. He multiplied it by 35 and got his answer less than the correct one by 1206. Find the number to be multiplied.

A) 68
B) 67
C) 77
D) None of the above

Study the sector wise sales of a group of companies for the financial year 2004 - 2005 and answer the following questions.
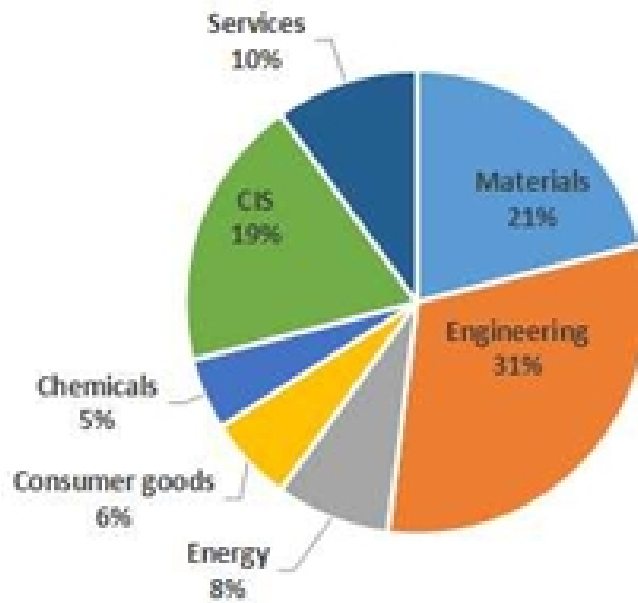
Sectors	(Rs million)	% Share
Materials	164,430	21.0
Engineering	244,830	31.2
Energy	62,990	8.0
Consumer Goods	47,880	6.1
Chemicals	35,510	4.5
Communications and information systems	148,160	18.9
Services	78,950	10.1
Total	782,750	

Table 1: Sector-wise Distribution of Financial Figures

Q41. This group of companies operates in multiple sectors. The holding company wants to monitor the *minimum* number of sectors (not exceeding 5) whose combined sales contribute at least 80% of the group's sales for FY 2004–05. Identify the correct set of sectors.

A) Engineering, Services, CIS & Consumer Goods

B) Engineering, Services, CIS, Energy & Consumer Goods

C) Engineering, Materials, Services & CIS

D) Engineering, Materials, CIS & Energy

Q42. The *overall* **average profit margin across all sectors is** 10%**. Engineering's margin is** 12% **and CIS's margin is** 20%**. What is the** *average* **profit margin across the** *remaining* **sectors?**

A) 5.87%

B) 7.6%

C) 4.94%

D) 8.9%

Q43. The mean temperature of Monday to Wednesday was $37°$**C and of Tuesday to Thursday was** $34°$**C. What was the temperature on Thursday?**

Statements: I. The temperature on Thursday was $\frac{4}{5}$ that of Monday.

II. The mean temperature of Monday and Thursday was $40.5°$C.

III. The difference between the temperature on Monday and that on Thursday was $9°$C.

A) I only

B) Either I or II

C) Either I or II or III

D) None of these

Q44. What will be the sum of two numbers?

Statements:

I. Among the two numbers, the bigger number is greater than the smaller number by 6.

II. 40% of the smaller number equals 30% of the bigger number.

III. The ratio of half of the bigger number to one third of the smaller number is $2 : 1$.

A) I or II

B) II or III

C) I and II or I and III

D) Any two of the three

Q45. A tank is fitted with two taps A and B. In how much time will the tank be full if both taps are opened together?

Statements:

I. A is 50% more efficient than B.

II. A alone takes 16 hours to fill the tank.

III. B alone takes 24 hours to fill the tank.

A) I and III only

B) Any two options will suffice

C) I and II only

D) II and III only

Q46. What is the principal sum?

Statements:

I. The interest amount after 30 months is half the interest amount after 5 years.

II. The sum amounts to ₹750 in five years at simple interest.

III. The rate of interest is 8% p.a.

A) I and III only

B) II and III only

C) I and II only

D) I and III only, or II and III only

Study the weekly data table and daily data graph for Toya Motors share prices at the National Stock Exchange and answer the following questions. Toya Motors NSE Share prices for 3 months.

10/8	22/8	31/8	12/9	21/9	29/9	10/10	20/10	31/10	10/11
483	475	461	513	516	535	538	500	461	498

Table 2: Sample Data Table
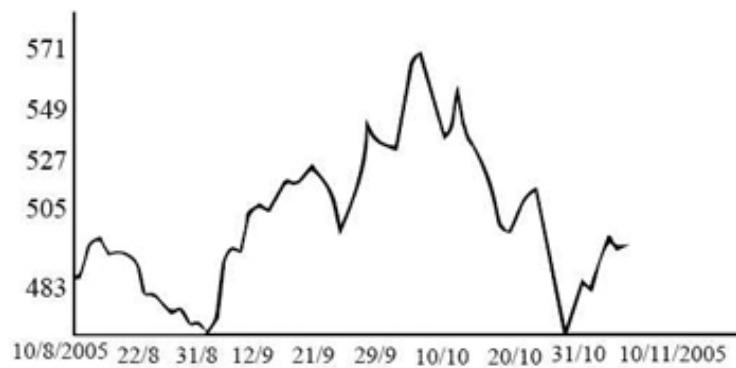
Q47. Study the weekly/daily data of Toya Motors share prices. What is the *average* share price from 10/8/2005 to 12/9/2005?

A) 527

B) 505

C) 483

D) 461

Q48. The drop in the share price during October 2005 is approximately (in %).

A) 19%

B) 10%

C) 50%

D) 5%

Q49. How many times during this 3-month period did the Toya Motors share price *drop* (i.e., move down from one plotted day to the next) in the graph?

A) 6

B) 17

C) 15

D) 10

Q50. If you purchased 100 shares on 31/8/2005 and sold them on 10/10/2005, what would be your gains?

A) ₹7700

B) ₹8800

C) ₹9900

D) ₹6600

Each question consists of a statement and/or a question followed by two statements I and II. Identify an option which provides sufficient data to answer the given question. Mark your answer as

A. if the data in statement I is sufficient and II is not required;

B. if the data in statement II is sufficient and I is not required;

C. if the data in both statements is necessary;

D. if the data in both statements is not sufficient to answer the question

Q51. The total of the present ages of A, B, C and D is 96 years. What is B's present age?

Statements:

I. The average age of A, B and D is 20 years.

II. The average age of C and D is 25 years.

A) A

B) B

C) C

D) D

Q52. Deepak's marks in Hindi are 15 more than the *average* of his marks in Hindi, Economics, Sociology and Philosophy. What are his marks in Philosophy?

Statements:

I. The total of his marks in Hindi and Philosophy is 12.

II. The difference between the marks in Sociology and Economics is 120.

A) A

B) B

C) C

D) D

Q53. What was the cost price (CP) of the suitcase purchased by Richard?

Statements:

I. Richard got 20% concession on the labeled price.

II. Richard sold the suitcase for ₹2000 with 25% profit on the labeled price.

A) A

B) B

C) C

D) D

Q54. B alone can complete a work in 12 days. How many days will A, B and C together take to complete the work?

Statements:

I. A and B together can complete the work in 3 days.

II. B and C together can complete the work in 6 days.

A) A

B) B

C) C

D) D

Study the following two tables of data on Agriculture Import and Export of India during 1998-2001 and answer the following questions.

India's Export of Principal Agricultural Products

Products	1998-1999	% of Agri Export	1999-2000	% of Agri Export	2000-2001	% of Agri Export
1. Tea	538	8.9	412	7.3	433	7.2
2. Cofee	411	6.8	331	5.9	259	4.3
3. Cereals	1,495	24.8	724	12.9	744	12.4
4. Tobacco	181	3	233	4.2	191	3.2
5. Spices	388	6.4	408	7.3	354	5.9
6. Cashew	387	6.4	567	10.1	411	6.8
7. Sesame and Niger Seeds	78	1.3	86	1.5	131	2.2
8. Guargum Meal	173	2.9	188	3.4	132	2.2
9. Oil Meals	462	7.7	378	6.7	448	7.5
10. Fruits and Vegitables	184	3	209	3.7	248	4.1
11. Processed Fruits and Ve	69	1.1	86	1.5	122	2
12. Meat & Meat Preparatio	187	3.1	189	3.4	322	5.4
13. Marine Products	1,038	17.2	1,183	21.1	1,394	23.2
14. Others	446	7.4	614	11	815	13.6
Agri Exports	6,037	100	5608	100	6004	100
% of Agri to Total Exports	18.2		15.2		13.5	
Total Exports	33,218		36,822		44,560	

India's Agricultural Imports

Commodity	1998-1999	% of Agri Imports	1999-2000	% of Agri Imports	2000-2001	% of Agri Imports
1. Cereal	288	9.9	222	7.8	19	1
2. Pulses	169	5.8	82	2.9	109	5.9
3. Milk and Cream	3	0.1	25	0.9	2	0.1
4. Cashew nuts	230	7.9	276	9.7	211	11.3
5. Nuts and Fruits	159	5.5	136	4.8	175	9.4
6. Sugar	264	9	256	9	7	0.4
7. Oil seeds	2	0.1	4	0.1	2	0.1
8. Veg oils	1,804	61.8	1,857	65	1,334	71.8
Total Agri Imports	2,919	100	2,858	100	1,858	100
% of Agri to Total Imports	69		5.8		3.7	
Total Imports	42,389		49,671		50,536	

Q55. Which was the single largest contributor to the total agri exports in 2000-01? If the total agri exports were valued at US $6 billion, what is its contribution in dollar terms?

A) Cereal, US $1.49 billion

B) Marine Products, US $1.27 billion

C) Marine Products, US $1.39 billion

D) Cereal, US $1.03 billion

Q56. Which product has shown strong growth in exports during the 3-year period?

A) Meat and Meat Preparations

B) Fruits and Vegetables

C) Processed Fruits and Vegetables

D) None

Q57. Which was the dominant import commodity in 2000–2001 after the vegetable oil?

A) Pulses

B) Cereals

C) Cashew nuts

D) Nuts and Fruits

Q58. From the import data about Sugar and Cereals it can be said that

A) India has raised its domestic production of these commodities.

B) India's demand for these commodities has gone down.

C) India's gap in production and requirement of these commodities has gone down.

D) India's population consuming these commodities has gone down.

Q59. In some circles concerns were expressed that liberalization of imports, resulting from lifting of quantitative restrictions on agri products, would lead to surge of agri imports affecting the Indian farmers. What does the data depict?

A) The concerns were justified because India continued to import agri commodities.

B) The concerns were not justified because the value of agri imports in aggregate terms has come down during the period.

C) The concerns were justified because vegetable oil and pulses formed a major component of the imports.

D) The concerns were not justified because the total exports in aggregate terms were higher than the total imports in aggregate terms.

Q60. Over the period under study both percentages of the total agri-exports to the total exports and that of the total agri-imports to the total imports show a downward trend. This indicates that

A) India should not get into export of agri products and concentrate on other sectors.

B) India should find ways and means of increasing imports.

C) India should restrict its imports and exports only to a limited number of commodities and products.

D) India should work on strategies to enhance exports and reduce imports.

Q61. Nalini, her brother, her daughter and her son are tennis players and are playing a game of doubles. Their positions on the court are as follows: Nalini's brother is directly across the net from her daughter. Her son is diagonally across the net from the worst player's sibling. The best player and the worst player are on the same side of the net. Who is the best player?

A) Nalini

B) Nalini's brother

C) Nalini's daughter

D) None of these

Q62. In a certain code language 'PROMOTION' is written as 'QSP89'. How will you write 'DEMOTION'?

A) DE98

B) EF98

C) EF89

D) EG89

Q63. Study this matrix. In this game there are two players. The first player can split the matrix vertically into two equal halves and choose one half for further play. The next move on this half is by the other player who will split it only horizontally and choose one half for further play. The game continues likewise (vertical by Player–1, horizontal by Player–2). The last number left is Player–1's gain. If *you* start, retain the

right half and, after your opponent's move, you again retain the right half, then how should your opponent play to minimize your gain?

$$\begin{bmatrix} 6 & 2 & 5 & 1 \\ 3 & 1 & 4 & 7 \\ 4 & 1 & 9 & 5 \\ 3 & 1 & 2 & 4 \end{bmatrix}$$

A) Retain upper, retain lower

B) Retain upper, retain upper

C) Retain lower, retain upper

D) Retain lower, retain lower

Q64. What is the next letter in the series: U, F, Q, J, M, N ?

A) I

B) T

C) O

D) M

Q65. Sonal defines a number as 'connected by 6' if it is divisible by 6, or if the sum of its digits is 6, or if 6 is one of its digits. Other numbers are 'not connected by 6'. From 1 to 60 (both inclusive), how many integers are *not* connected with 6?

A) 18

B) 43

C) 22

D) 42

Q66. Leena, Nitin, Arun and Mohan must cross a lake in a 2-person canoe. There are 3 forward trips (two people) and 2 return trips (one person). Constraints: (i) Leena

cannot paddle when someone else is in the canoe with her (so she can paddle only when alone). (ii) Nitin cannot paddle when anyone other than Arun is with him (he may paddle with Arun, or alone). (iii) Each person must paddle continuously for at least one trip. Who paddled twice?

A) Leena

B) Nitin

C) Mohan

D) Arun

Q67. A, B, C, D, E, F and G are the members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls. A and D are brothers and A is a doctor. E is an engineer married to one of the brothers and has two children. B is married to D and G is their child. Who is C?

A) G's Father

B) F's Father

C) E's Daughter

D) A's Son

Q68. If every alternative letter of the English alphabet from B onwards (including B) is written in lower case and the remaining letters are capitalized, how will the first month of the second half of the year be written?

A) AuGuSt

B) JuLy

C) jUly

D) AugUSt

Q69. A rich merchant says: "If I divide my gold coins into two unequal numbers, then 48 times the difference between them equals the difference of their squares." How many coins does he have?

A) 96

B) 53

C) 43

D) None of these

Q70. An enterprising businessman earns an income of ₹1 on the first day of his business. On every subsequent day, he earns an income which is just double of that made on the previous day. On the 10th day of business, his income is

A) ₹2^9

B) ₹2^{10}

C) ₹10^2

D) ₹10

Q71. Three boys steal a basket of apples (fewer than 100). In the night each boy wakes up in turn. Each time, he finds that if he first takes one apple for himself, the remaining can be divided into three equal parts. He then *takes one apple* and *bags one–third of the rest*, hides them, and goes back to sleep. All three boys do this in sequence. In the morning the remaining apples again total "1 more than a multiple of 3". How many apples did they steal?

A) 67

B) 79

C) 85

D) None of the above

Choose from these four diagrams the one that best illustrates the relationship among three given classes
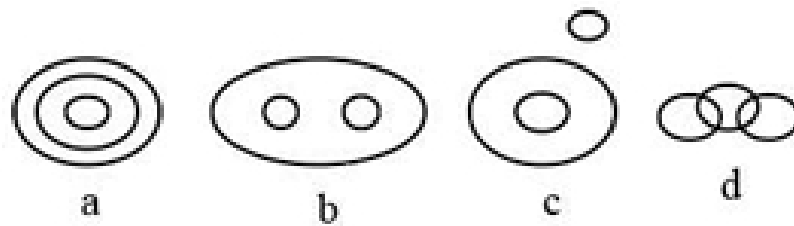
Q72. Choose from these four diagrams the one that best illustrates the relationship among three given classes: Chilli, Salt, Vegetables.

A) Diagram a

B) Diagram b

C) Diagram c

D) Diagram d

Q73. Choose from these four diagrams the one that best illustrates the relationship among three given classes: Student of Law, Students of Science, Men.

A) Diagram a

B) Diagram b

C) Diagram c

D) Diagram d

Study the following example and answer the questions.

An electronic device rearranges numbers step-by-step in a particular order according to a set of rules. The device stops when the final result is obtained. In this case the device stops at Step V.

Input: 85 16 36 04 19 97 63 09

Step I - 97 85 16 36 04 19 63 09

Step II - 97 85 63 16 36 04 19 09

Step III - 97 85 63 36 16 04 19 09

Step IV - 97 85 63 36 19 16 04 09

Step V - 97 85 63 36 19 16 09 04

Q74. Study the device rule from the example and determine *Step III* for the input below. Input: 09 25 16 30 32 18 17 06

A) 32 09 25 16 30 18 17 06

B) 32 30 09 25 16 19 17 06

C) 32 30 09 25 16 18 17 06

D) 32 30 25 09 16 18 17 06

Q75. What is the last step for the input below under the same device rule? Input: 16 09 25 27 06 05

A) Step II

B) Step III

C) Step IV

D) None of the above

Q76. What is the output of Step V for the input below? Input: 25 08 35 11 88 67 23

A) 88 67 35 25 23 11 08

B) 88 67 35 25 23 08 11

C) 08 11 23 25 35 67 88

D) None of the above

Q77. Which one of the following would be last step for the input below? Input: 03 31 43 22 11 09

A) Step II

B) Step III

C) Step IV

D) None of the above

Q78. If the output of Step IV is as given below, what was the input? Step IV: 92 86 71 69 15 19 06 63 58

A) 86 92 69 71 15 19 06 63 58

B) 15 86 19 92 06 69 63 58 71

C) 15 19 06 63 58 86 92 69 71

D) None of the above

Q79. Read the following information and answer the question. P # Q means P is the **father** of Q;   P + Q means P is the **mother** of Q;   P - Q means P is the **brother** of Q;   P * Q means P is the **sister** of Q.

If $A + B \# C - D$, then A is D's ___ ?

A) Sister

B) Grandfather

C) Grandmother

D) Father

Q80. Which of the following shows that A is the Aunt of E? (Use the same code: # = father, + = mother, − = brother, * = sister.)

A) $A - B + C\#D * E$

B) $A * B\#C * D - E$

C) $A\#B * C + D - E$

D) $A + B - C * D\#E$

Read the following passage and answer (c) how climatic changes led to the founding of the earliest the 7 questions following the same.

As the climate in the Middle East changed beginning around 7000 B.C.E., conditions emerged that were conducive to a more complex and advanced form Question of civilization in both Egypt and Mesopotamia. The process began when the swampy valleys of the Nile in Egypt and of the Tigris and Euphrates Rivers in Mesopotamia became driver, producing reverine lands that were both habitable and fertile, and attracting settlers armed with the newly developed techniques of agriculture. This migration was further encouraged by the gradual transformation of the once-hospitable grasslands of these regions into deserts. Human population became increasingly concentrated into pockets of settlement scattered along the banks of the great rivers.

These rivers profoundly shaped the way of life along their banks. In Mesopotamia, the management of water in conditions of unpredictable drought, flood and storm became the central economic and social challenge. Villagers began early to build simple earthworks, dikes, canals, and ditches to control the waters and reduce the opposing dangers of drought during the dry season (usually the spring) and flooding at harvest time.

Such efforts required a degree of cooperation among large numbers of people that had not previously existed. The individual village, containing only a dozen or so houses and families, was economically vulnerable; but when several villages, probably under the direction of a council of elders, learned to share their human resources in the building of a coordinated network of water-control systems, the safety, stability, and prosperity of all improved. In this new cooperation, the seeds of the great Mesopotamian civilizations were being sown.

Technological and mathematical invention, too, were stimulated by life along rivers. Such devices as the noria (a primitive waterwheel) and the Archimedean screw (a device for raising water from the low riverbanks to the high ground where it was needed), two forerunners of many more varied and complex machines, were first developed here for use in irrigation systems. Similarly, the earliest methods of measurement and computation and the first developments in geometry were stimulated by the need to keep track of land holdings and boundaries in fields that were periodically inundated.

The rivers served as high roads of the earliest commerce. Traders used boats made of boundles of rushes to transport grains, fruits, nuts, fibers, and textiles from one village to another, transforming the rivers into the central spines of nascent commercial kingdoms. Trade expanded surprisingly widely; we have evidence suggesting that, even before the establishment of the first Egyptian dynasty, goods were being exchanged between villagers in Egypt and others as far away as Iran.

Similar developments were occuring at much the same time along the great river valleys in other parts of the world - for example, along the Indus in India and the Hwang Ho in China. The history of early civilization has been shaped to a remarkable degree by the relation of humans and rivers.

Q81. This passage basically explains

A) the similarities and differences among several ancient societies

B) the influence of river settlements on the growth of early civilizations

C) how climatic changes led to the founding of the earliest recorded cities

D) the development of primitive technologies in the ancient Middle East

---

Q82. According to the passage, the increasing aridity of formerly fertile grasslands in Egypt and Mesopotamia caused the settlement patterns in those regions to become ___.

A) less nomadic

B) less stable

C) more concentrated

D) more sparse

Q83. The passage implies that the earliest geometry was practiced primarily by ___.

A) farm workers

B) land owners

C) traders and merchants

D) mechanical artisans

Q84. The passage indicates that the social effects of the unpredictability of water supplies in Mesopotamia was ___.

A) to encourage cooperation in the creation of water management systems

B) to drive farmers to settle in fertile grasslands far from the uncontrollable rivers

C) to cause warfare over water rights among rival villages

D) None of the above

Q85. The passage refers to the earliest trade routes in the Middle East as ___.

A) between various centrally ruled commercial kingdoms

B) between linked villages in Egypt with others in Iran

C) between connected villages that were scattered along the banks of the same river

D) between the inhabitants of small villages and the dynastic kings who ruled them

---

Q86. The passage implies that the emergence of complex civilizations in the Middle East was dependent upon the previous development of ___.

A) a system of centralized government

B) symbolic systems for writing and mathematical computation

C) a method of storing and transferring wealth

D) basic techniques of agriculture

Q87. By referring to emerging civilizations in India and China the author wants to emphasize the ___.

A) relatively advanced position enjoyed by the Middle East in comparison to other regions

B) rapidity with which social systems developed in the Middle East spread to other places

C) crucial role played by rivers in the development of human cultures around the world

D) importance of water transportation in the growth of early trade

---

Q88. Askance means:

A) side glance

B) quizzical expression

C) request

D) curious look

Q89. Virtuoso means:

A) skilled performer

B) amateur

C) good person

D) professional

Q90. Nuance: Subtle

A) Pun: Sarcastic

B) Fib: Honest

C) Inquiry: Discreet

D) Hint: Indirect

Q91. Arena: Conflict

A) Mirage: Reality

B) Forum: Discussion

C) Asylum: Pursuit

D) Utopia: Place

Q92. Hierarchy: Ranked

A) Equation: Solved

B) Critique: Biased

C) Chronology: Sequential

D) Infinity: Fixed

Come with me to Kiebra: the largest shantytown in sub-Saharan Africa. More than 500,000 people live in this vast illegal section of Nairobi, in mud huts on mud streets, with no fresh water or sanitation. Walk down Kiebra's sodden pathways and you will see a great deal of hunger, poverty and disease. But you'll also find health clinics, beauty salons, grocery stores, bars, restaurants, tailors, clothiers, churches, and schools. In the midst of squalor and open sewage, business is booming.

Indeed, Kiebra's underground economy is so vibrant that it has produced its own squatter millionaire, someone I have known for years. From his start a generation ago selling cigarettes and biscuits from the window of his hut, this Kenyan (he asked to remain unnamed) has assembled an empire that includes pharmacies, groceries, bars, beverage-distribution outlets, transportation and manufacturing firms, and even real estate.

Families flock to Kiebra for the same reason country folk have always migrated to the city in search of opportunity. In the city they find work but not a place to live. So they build illegally on land they don't own. There are a billion squatters in the world today, almost one in six people on the planet. And their numbers are on the rise. Current projections are that by 2030 there will be two billion squatters, and by 2050, three billion, better than one in three people on the planet. In itself, it is nothing to worry about, for squatting has long had a positive role in urban development. Many urban neighbourhoods in Europe and North America began as squatter outposts. London and Paris boasted huge swaths of mud and?stick homes, even during the glory years of the British and French monarchies. Squatters were a significant force in most U.S. cities too. It would no doubt surprise residents paying millions for co-op apartments on Manhatten's Upper east and West Sides to know that squatters occupied much

of the turf under their buildings until the start of the 20th century. .... from an article by Robert Neuwirth.

Q93. The author argues that Kiebra becoming the shantytown is not unusual because ___.

A) Kiebra has many poor people who have come to earn but have no land to live on.

B) Researchers have predicted that squatters will continue to grow in numbers.

C) Squatting has long had a positive role in urban development.

D) All of the above

Q94. The prosperity of Kiebra's underground economy is described by the author through ___.

A) The description of Kiebra

B) The description of his friend's businesses

C) The comparison with co-op apartments of Manhattan

D) The history of London and Paris

Q95. The author puts forward the thesis that ___.

A) Squatters will continue to rise in numbers in the coming years irrespective of whether they are from poor countries or not.

B) There is nothing wrong in squatting on the land of a stranger.

C) London & Paris too are shantytowns.

D) Even today squatters live under Manhattan's co-op apartments.

Q96. What is the most appropriate title for this passage?

A) Kiebra–Squatters' Paradise of Nairobi

B) Squatters of the World

C) Squatter Cities

D) Future of Squatters

Q97. The ____ managed to deceive the entire village.

A) renegade

B) sycophant

C) charlatan

D) actor

Q98. She ordered the taxi driver, Driver faster, _____?

A) won't you

B) will you

C) you must

D) can't you

Q99. Her written statements failed to be consistent ____ what she had said earlier.

A) on

B) with

C) in

D) to

Q100. Choose the antonym nearest in meaning to the word "Facetious".

A) serious

B) uneasy

C) pleasant

D) cross

Q101. Which one of the following alternatives is spelt correctly?

A) extacy

B) ecstasy

C) ecstacy

D) extasy

Q102. Choose the correct alternative that best explains the following idiom: "Writing on the wall."

A) graffiti

B) obvious truth

C) foreboding

D) prediction

Q103. Although many of the members were __ about the impending deal, others were __ about the benefits it would bring.

A) euphoric   ____   confident

B) optimistic   ____   dubious

C) angry   ____   skeptical

D) confused   ____   pleased

Q104. Select the lettered pair that best expresses a relationship similar to that expressed by the original pair: BROOK : RIVER

A) vein : artery

B) path : highway

C) yard : alley

D) pen : paper

Q105. 'But for cancer I would not have given up smoking'. 'But' in the sentence is ___.

A) an adverb

B) a preposition

C) an adjective

D) a verb

Q106. Here is my list oranges, potatoes, garbage bags and a tooth brush. After the word 'list' identify which one of the following is required.

A) colon

B) quotation marks

C) semicolon

D) none of these

Q107. Identify the grammatical error in the sentence below by choosing one alternative.
My main reason for learning pharmacy was that my brother was one.

A) dangling modifier

B) faulty parallelism

C) faulty reference by pronoun

D) the sentence is correct

Q108. For the following pair of sentences choose the correct option.
I. The team quickly took **their** positions on the field.
II. The team quickly took **its** position on the field.

A) the first sentence is wrong

B) the second sentence is wrong

C) both are correct

D) both are wrong

Q109. Choose the erroneous underlined segment or option 'd' if no error.

He carried <u>his clothes</u> (a) in <u>a black heavy</u> (b) <u>steel trunk</u> (c).

A) a

B) b

C) c

D) d

Q110. Choose the erroneous underlined segment or option 'd' if no error.

The <u>corpse</u> (a) <u>had been dead</u> (b) <u>for five days</u> (c).

A) a

B) b

C) c

D) d

Q111. Identify the odd one.

A) Ashoka was one of the greatest kings.

B) Ashoka was greater than many other kings.

C) Ashoka was the greatest king.

D) Very few kings were as great as Ashoka.

Q112. Identify the incorrect one.

A) The coach together with his team was praised.

B) Many a boy is tempted to sing.

C) The king with all his sons were imprisoned.

D) Neither James nor his lawyers were there.

Q113. Identify the sentence that gives the same meaning as the following.

He said, "Yes, I'll come and see you."

A) He accepted that he will come and see me.

B) He said that he will come and see me.

C) He agreed that he will come and see me.

D) He said that he would come and see me.

Q114. I had met him .... year ago

A) a

B) an

C) the

D) none

Q115. Can you see .... moon?

A) a

B) an

C) the

D) none

Q116. He is .... honourable man.

A) a

B) an

C) the

D) none

Q117. .... people with little patience rarely succeed.

A) a

B) an

C) the

D) none

Q118. Choose the correct arrangement of the following jumbled sentences of a paragraph to make it coherent.

The first sentence is: *Barely a year had elapsed before the Pritzker clan began to squabble.*

L. Under the plan he has until 2011 to distribute the assets among the heirs.

M. The family was no longer a cohesive whole, they wrote and therefore the business needed the kind of transparency a public corporation might have.

N. A year later the family agreed on a governing structure for the Pritzker Organisation, requiring Tom to open the books, hold annual meetings of family shareholders and issue regular financial reports.

O. In summer 2000, Tom's two brothers and a handful of his cousins sent a letter asking him to restructure the holdings.

A) N M O L

B) M L O N

C) O M N L

D) O N M L

Q119. "Time to bust some myths about the EPF Organisation, India's only social security fund manager for non-government workers, though what follows is not

published on a regular basis. Active membership is just about 5 percent, and only 17 percent of the members account for 84 percent of the balances. That's only Rs. 20000 each! Less than 7 percent have a deposit amount more than 5 lacs!"

Choose the statement closest to the idea expressed in this paragraph.

A) EPF is an efficiently managed organisation about which no one knows correctly.

B) EPF is an inefficient organisation.

C) EPF Organisation takes care of future fund requirements of investors adequately.

D) EPF Organisation does not have enough funds to take care of secure future.

Q120. "Two recent World Bank studies on India's rapidly depleting water resources have caused quite a stir. More interesting is how water seems to have become the new focus area for Bank assistance: at \$3.2 billion in 2005–08 from a mere \$700 million in 1999–04. Within water again, more money is going to rural water, large hydropower projects, and water resource management in poor states."

Choose the statement that summarises the above paragraph best.

A) India's water resources are depleting.

B) The two World Bank studies on India have caused a stir.

C) The World Bank assistance to India for developing water resources has increased more than 4 times for 2005–08 as compared to the prior period.

D) Poorer states of India require water resource management projects such as rural water, large hydropower projects.

Q121. The International Date Line is located

A) On the Equator

B) Along 0 degree Longitude

C) Along 180 degree Longitude

D) At Greenwich in UK

Q122. The Ramon Magsaysay Award is named after the former President of?

A) Thailand

B) Philippines

C) Indonesia

D) None of these

Q123. What level of noise is considered permissible in human habitats?

A) Upto 50 decibels

B) Less than 40 decibels

C) Upto 30 decibels

D) Less than 20 decibels

Q124. The Indian city which has a natural harbour and is also one of the largest Indian ports is

A) Mumbai

B) Kolkata Haldia

C) Cochin

D) Vishakhapatnam

Q125. If saccharine, an artificial sweetener which is 70 times sweeter than sugar, is kept in the open, which one of these insects will it attract first?

A) ants

B) bees

C) house-flies

D) none of the above

Q126. When a Pepsi bottle is opened, the gas fizzes out because it obeys

A) Hess's Law

B) Henry's Law

C) Kohlrausch's Law

D) None of the above

Q127. Television signals from transmission towers are restricted to a limited area because

A) the signals become weak with distance

B) there is interference from other signals

C) of the Earth's curvature

D) the atmosphere absorbs the signals

Q128. Who is the author of *Food, Nutrition and Poverty in India*?

A) V.K.R.V. Rao

B) T.S. Eliot

C) Mark Twain

D) Evelyn Waugh

Q129. Internet is controlled by

A) The U.S.A

B) The U.K.

C) Switzerland

D) None of the above

Q130. Identify the incorrect statement.

A) A tsunami is a series of waves generated when water in a lake or the sea is rapidly displaced on a massive scale.

B) A tsunami is an after-effect of an earthquake on the seabed.

C) A tsunami has smaller amplitude (wave height) offshore and a very long wavelength.

D) None of the above

Q131. The largest chunk of revenue for the Union government comes from

A) Income Tax

B) Central Excise

C) Corporation Tax

D) Customs Duty

Q132. India test-fired three medium range surface-to-air missiles in Oct. 2005. Name the missile.

A) Trishul

B) Nag

C) Dhanush

D) Akash

Q133. How many calories are there in one litre of water?

A) 1000 calories

B) 100 calories

C) 1 calorie

D) None

Q134. The city closest to the epicenter of the devastating earthquake that hit Pakistan & India in October 2005 is

A) Srinagar

B) Balakot

C) Muzaffarabad

D) Islamabad

Q135. The CDMA mobile services from BSNL is

A) Tarang

B) Cell One

C) Idea

D) Orange

Q136. The highest ranking country for 2005–06 in "Global Competitiveness Report" of the World Economic Forum is

A) Finland

B) U.S.A

C) Singapore

D) U.K

Q137. Which two independent nations does the 17th Parallel separate?

A) North and South Korea

B) North and South Vietnam

C) East and West Germany

D) Mexico and Panama

Q138. In the "One by Six" rule of Income Tax, it is mandatory to file Income Tax Returns if you possess

A) television

B) gold

C) credit card

D) passport

Q139. The Kyoto Protocol pertains to

A) banning the hunting of whales

B) reducing greenhouse gas emissions

C) securing the release of circus animals

D) disallowing civilian airports for military use

Q140. The riots spreading across France in 2005 were caused by

A) Al Qaeda

B) French Nationalists

C) Racial tensions among Paris' Immigrants

D) France's position in European Union

Q141. One of the UK's leading telecom companies and sponsor of the England cricket team is

A) British Telecom

B) Airtel

C) AT&T

D) Vodafone

Q142. The price of any currency in the international market is determined by

A) The World Bank

B) The demand for goods and services provided by the country

C) The amount of gold that country has in reserve

D) The economic stability of that country

Q143. The "Whistle Blower Bill" was passed due to pressure created by the murder of

A) Madhumita Shukla

B) Satyendra Dubey

C) Naina Sharma

D) None of these

Q144. The alleged corruption scam of UN's $64 billion in Iraq disclosed in Nov, 2005 is related to

A) Iraq war crimes

B) Iraqi WMD

C) Saddam Hussein

D) Food-for-oil programme

Q145. The Reserve Bank of India Governor is

A) Bimal Jain

B) Y. V. Reddy

C) Deepal Parekh

D) Naresh Chandra

Q146. Which one is listed in the first place among the largest global corporations in 2005 by the Fortune magazine?

A) Exxon Mobile

B) Toyota Motors

C) General Motors

D) Walmart

Q147. Recently VAT was introduced in India. Choose the correct statement.

A) VAT has replaced Sales Tax in all states of India

B) VAT is charged in place of Sales Tax only in some states of India

C) VAT is charged in addition to Sales Tax in all states of India

D) VAT is charged in addition to Sales Tax in some states of India

---