

SNAP 2012 Question Paper

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

SNAP 2012 – INSTRUCTIONS TO CANDIDATES

1. No clarification on the Question Paper will be entertained.
2. There are 60 MCQs; attempt all.
3. Each question carries 1 mark; total marks = 150.
4. Negative marking: -0.25 mark for each wrong answer.
5. Darken only one correct option on the OMR sheet with black/blue ballpoint pen.
6. Multiple or incorrect marking methods will be treated as wrong.
7. Do not write anything on the OMR except required details.
8. Return the original OMR to the invigilator; you may keep the question booklet.
9. Use of unfair means will result in cancellation; impersonation is a criminal offence.
10. No electronic devices allowed inside the test hall.
11. Do not leave before the end of the test.

1. At a college football game, $\frac{4}{5}$ of the *lower-deck* seats were sold. The lower deck contains $\frac{1}{4}$ of all stadium seats. Overall, $\frac{2}{3}$ of all stadium seats were sold. What fraction of the *unsold* seats in the stadium lay in the lower deck?

- (a) $\frac{3}{20}$
- (b) $\frac{1}{6}$
- (c) $\frac{1}{5}$
- (d) $\frac{1}{3}$

2. A country follows a progressive taxation system under which the income tax rates applicable varies for different slabs of income. Total tax is computed by calculating the tax for each slab and adding them up. The rates applicable are as follows :

Annual income	Tax rate
0 - 50,000	0%
50,001 - 60,000	10%
60,001 - 1,50,000	20%
> 1,50,000	30%

Table 1: Tax Rate Table Based on Annual Income

If annual income is ₹1,70,000, what is the total tax payable?

- (a) ₹51,000
- (b) ₹17,000
- (c) ₹34,000
- (d) ₹25,000

3. A private telephone company serving a small community makes a profit of ₹12 per subscriber, if it has 725 subscribers. It decides to reduce the rate by a fixed sum for each subscriber over 725, thereby reducing the profit by 1 paise per subscriber. Thus, there will be

profit of ₹11.99 on each of the 726 subscribers, ₹11.98 on each of the 727 subscribers etc.
The number of subscribers which will give the company, the maximum profit, is:

- (a) 961
 - (b) 962
 - (c) 963
 - (d) None of these
-

4. A milkman buys milk contained in 10 vessels of equal size. If he sells his milk at ₹5 per litre, he loses ₹200; if he sells it at ₹6 per litre, he would gain ₹150 on the whole. Find the number of litres contained in each vessel.

- (a) 20 litres
 - (b) 30 litres
 - (c) 25 litres
 - (d) 35 litres
-

5. A firm of readymade garments makes both men's and women's shirts. Its average profit is 6% of the sales. Average profit in men's shirts is 8% of the sales and women's shirts comprise 60% of the output. The average profit per sale rupee in women's shirts is:

- (a) 0.0466
 - (b) 0.0666
 - (c) 0.0166
 - (d) None of these
-

Q6. In an express train, the numbers of passengers travelling in A.C. Sleeper Class, First Class and Sleeper Class are in the ratio 1 : 2 : 3, and the fares of these classes are in the ratio 5 : 4 : 2. If the total income from the train is ₹54000, find the income from the A.C. Sleeper Class.

- (a) ₹8000
 - (b) ₹12000
 - (c) ₹10000
 - (d) None of these
-

Q7. A dealer buys three kinds of dry fruits at ₹100, ₹80 and ₹60 per kg in the weight ratio 12 : 15 : 20. Selling the first two together gives him 20% profit; overall he has no gain no loss. Find the percentage loss on the third kind.

- (a) 40%
 - (b) 20%
 - (c) 30%
 - (d) 50%
-

Q8. Rahul starts a business with ₹8000. After 6 months, Sanjay joins with some capital. If their profits after one year are equal, find Sanjay's investment.

- (a) ₹17,500
 - (b) ₹18,000
 - (c) ₹16,000
 - (d) ₹16,500
-

Q9. A watch is bought for ₹1950 in cash and sold for ₹2200 on one-year credit. If the interest rate is 10% p.a., find the trader's gain/loss.

- (a) Gains ₹5
 - (b) Gains ₹50
 - (c) Loses ₹30
 - (d) Gains ₹30
-

Q10. An article is listed at ₹65. A customer bought this article for ₹56.16 and got two successive discounts, the first being 10%. What was the other discount rate allowed by the shopkeeper?

- (a) 3%
- (b) 4%
- (c) 6%
- (d) 2%

Q11. A company has 50,000 preferred shares with dividend 20% and 20,000 common shares; par value of each share is ₹10. The total profit is ₹1,80,000, of which ₹30,000 is kept in reserve and the rest distributed to shareholders. Find the dividend percent paid to common shareholders.

- (a) 20%
- (b) 24%
- (c) 25%
- (d) 30%

Q12. A man buys apples at a certain price per dozen and sells them at *eight times that price per hundred*. What is his gain or loss percent?

- (a) 4% loss
- (b) $8\frac{1}{4}$ loss
- (c) 4% gain
- (d) $6\frac{1}{4}$ % gain

Q13. By selling 12 notebooks, the seller earns a profit equal to the *selling price* of 2 notebooks. What is his percentage profit?

- (a) 25%

- (b) 20%
 - (c) $16\frac{2}{3}\%$
 - (d) Data inadequate
-

Q14. A manufacturer can sell all he produces at ₹60 each. It costs ₹40 in materials and labour to produce each item and overhead expenses are ₹3000 per week. How many units should be produced and sold to make a profit of at least ₹1000 per week?

- (a) 300
 - (b) 250
 - (c) 400
 - (d) 200
-

Q15. An aeroplane first flew with a speed of 440 km/h and covered some distance. It still had to cover 770 km less than what it had already covered, and it flew this remainder at 660 km/h. The average speed for the entire flight was 500 km/h. Find the total distance.

- (a) 3250 km
 - (b) 2750 km
 - (c) 4400 km
 - (d) 1375 km
-

Q16. Train A running at 60 km/h leaves Mumbai for Delhi at 6 p.m. Train B running at 90 km/h also leaves for Delhi at 9 p.m. Train C leaves Delhi for Mumbai at 9 p.m. If all three trains meet at the same time between Mumbai and Delhi (distance = 1260 km), find the speed of Train C.

- (a) 60 km/h
- (b) 90 km/h

- (c) 120 km/h
 - (d) 135 km/h
-

Q17. A contractor undertakes to build a wall in 50 days. He employs 50 people for the same. However, after 25 days he finds that only 40% of the work is complete. How many more men need to be employed to complete the work in time?

- A) 25
 - B) 30
 - C) 35
 - D) 20
-

Q20. A man in a train notices that he can count 21 telephone posts in one minute. If they are known to be 50 metres apart, then at what speed is the train travelling?

- (a) 45 km/h
 - (b) 60 km/h
 - (c) 63 km/h
 - (d) 65 km/h
-

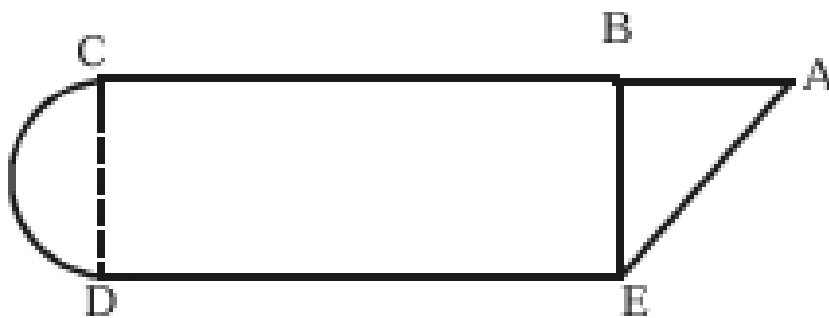
Q21. A man buys a certain quantity of apples, mangoes and bananas. If the mangoes were to cost the same as apples, he would have to forego the bananas to buy the same number of mangoes as he had bought earlier (for the same total amount). The amount spent by him on mangoes and bananas together is 50% more than the amount spent on apples. The total amount spent is ₹140. The number of mangoes bought is the same as the number of bananas. If he wishes to buy the same number of apples as well, how much additional amount would he have to spend?

- (a) 56
- (b) 140

- (c) 28
(d) 42

Q22. In a special racing event, the person who enclosed the maximum area would be the winner and would get ₹100 every square metre of area covered by him/her. Jonsson, who successfully completed the race and was the eventual winner, enclosed the area shown in the figure below. What is the prize money won?

Note: The arc from C to D makes a complete semi-circle. Given: $AB = 3$ m, $BC = 10$ m, $CD = BE = 2$ m.



- (a) ₹2914
(b) ₹2457
(c) ₹2614
(d) ₹2500

Q23. A lawn is in the form of an isosceles triangle. The cost of turfing on it came to ₹1,200 at ₹4 per m^2 . If the base be 40 m long, find the length of each side.

- (a) 25 m
(b) 24 m
(c) 26 m
(d) None of these

Q24. A survey on a sample of 25 new cars checked for three options—air-conditioning (A), radio (R), and power windows (P). Data: 15 had A; 2 had A&P but no R; 12 had R; 6 had A&R but no P; 11 had P; 4 had R&P (total); 3 had all three. How many cars had none of the options?

- (a) 4
- (b) 3
- (c) 1
- (d) 2

Q25. Large (L), medium (M) and small (S) ships bring water. Given: $4L = 7S$; and $3M$ carry the same as $2L + 1S$. A fleet of $15L, 7M, 14S$ made 36 journeys and brought a certain quantity of water. How many journeys would $12L, 14M, 21S$ need to bring the same quantity?

- (a) 32
- (b) 25
- (c) 29
- (d) 49

Q26. The age of the father 5 years ago was 5 times the age of his son. At present the father's age is 3 times that of his son. What is the present age of the father?

- (a) 33 years
- (b) 30 years
- (c) 45 years
- (d) None of these

Q27. The probability that a contractor will get a plumbing contract is $\frac{2}{3}$ and the probability that he will not get an electric contract is $\frac{5}{9}$. If the probability of getting at least one contract is $\frac{4}{5}$, what is the probability that he will get both?

- (a) $31/45$
 - (b) $8/45$
 - (c) $14/45$
 - (d) None of these
-

Q28. A candidate is selected for interview for three posts. For the first post there are 5 candidates, for the second there are 8 and for the third there are 7. What are the chances for his getting at least one post?

- (a) $\frac{1}{35}$
 - (b) $\frac{3}{5}$
 - (c) $\frac{2}{5}$
 - (d) $\frac{4}{5}$
-

Q29. The number of ways in which a committee of 3 ladies and 4 gentlemen can be appointed out of 8 ladies and 7 gentlemen, if Mrs. X refuses to serve in a committee of which Mr. Y is a member, is

- (a) 1,540
 - (b) 1,960
 - (c) 3,240
 - (d) None of these
-

Q30. A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five women enter. Now the number of men and women is equal. In the beginning, how many passengers entered the bus?

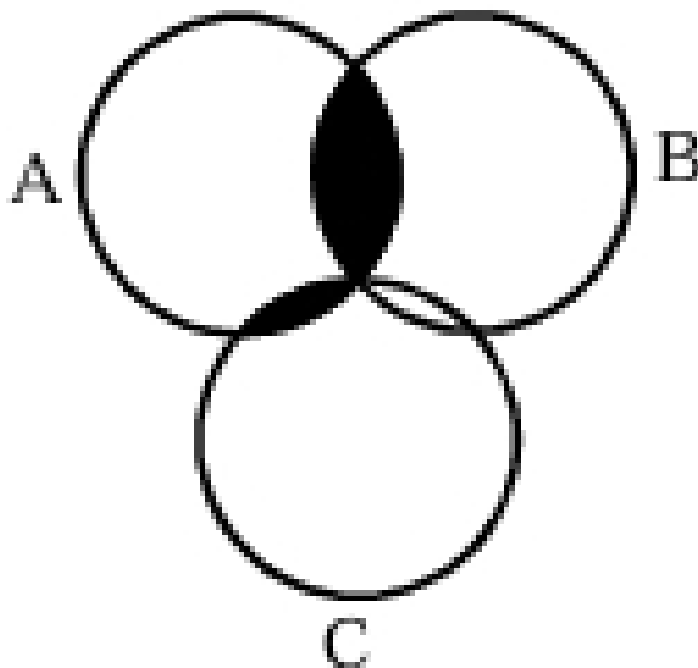
- (a) 15
- (b) 30

- (c) 36
- (d) 45

Q31. Balls are arranged in rows to form an equilateral triangle (1 in the first row, 2 in the second, and so on). If 669 more balls are added, all the balls can be arranged in a square and each side of the square contains 8 balls fewer than the number of balls on a side of the triangle. What was the initial number of balls?

- (a) 1600
- (b) 1500
- (c) 1540
- (d) 1690

Q32. The shaded region in the following Venn Diagram represents:



- (a) $A \cup (B \cup C)$
- (b) $A \cup (B \cap C)$
- (c) $A \cap (B \cup C)$

(d) None of these

Details of Leading Openers' Performance in 20 One-day cricket matches					
2*Openers	2*Total Runs	2*Highest Runs	No. of matches with runs		
			100 or more	50-99	0's
A	994	141	5	3	1
B	751	130	1	8	2
C	414	52	-	2	2
D	653	94	-	4	1
E	772	85	-	7	-

Table 2: Performance of Leading Openers in One-day Matches

Q33. What is the difference between the average runs of top two openers in terms of *highest runs*, if matches having 0's were ignored?

- (a) 11.1
 - (b) 13.7
 - (c) 4.7
 - (d) None of these
-

Q34. If matches having zero runs and the one with highest runs is ignored, what will be the average runs for opener C?

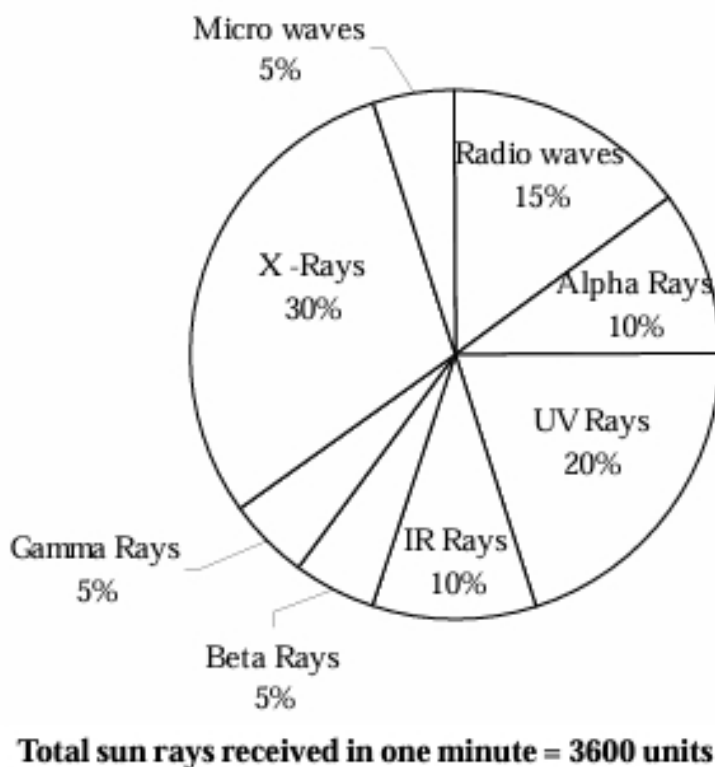
- (a) 20.7
 - (b) 21.79
 - (c) 21.29
 - (d) 21.17
-

Q35. By how much does the difference between the two highest total runs differ from the difference between the two lowest total runs?

- (a) More by 4
 - (b) More by 18
 - (c) Lower by 18
 - (d) None of these
-

Q36. Which of the given pairs of openers have ratio 5 : 2 in their highest runs?

- (a) A and B
 - (b) B and C
 - (c) A and D
 - (d) D and C
-



Q37. If the human body can withstand a maximum of 9720 units of IR rays when exposed to the sun continuously, then what is the maximum time in minutes that any person could stand in the sun without crossing the threshold limit of IR rays?

- (a) 23
 - (b) 19
 - (c) 27
 - (d) 29
-

Q38. The amount of Beta rays in 10 minutes of the sun's rays is how many times the amount of IR rays in 3 minutes of the sun's rays?

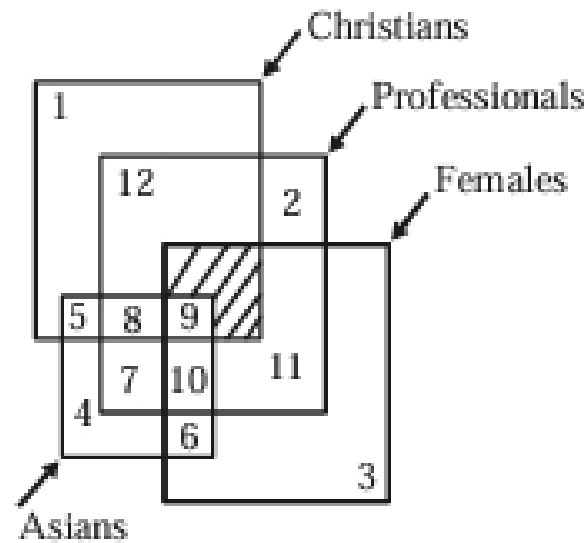
- (a) 1.44
 - (b) 1.33
 - (c) 1.66
 - (d) 1.55
-

Q39. How many minutes of exposure to the sun in a day would be enough to ensure that the body receives enough Vitamin D, given that the body requires 40 units of Vitamin D every day and that 30 units of Beta rays generate one unit of Vitamin D?

- (a) $5\frac{1}{3}$
 - (b) $5\frac{2}{3}$
 - (c) $6\frac{1}{3}$
 - (d) $6\frac{2}{3}$
-

Q40. The amount of Alpha rays received in two minutes is how much more/less than the amount of Radio waves received in four minutes?

- (a) 1320 units more
 - (b) 1200 units less
 - (c) 1440 units less
 - (d) 1600 units more
-



Q41. Asian Non-Christian females who are Professionals are represented by (based on the 4-set diagram with sets: Christians (C), Professionals (P), Females (F), Asians (A)).

- (a) 3
- (b) 10
- (c) 8
- (d) 11

Q42. Asian females who are neither professional nor Christians are denoted by

- (a) 6
- (b) 9
- (c) 10
- (d) 3

Q43. Non-Asian professional Christian male are represented by

- (a) 10
- (b) 11

(c) 12

(d) 9

Q44. Christian females who are non-professional and Asian are represented by

(a) 5

(b) 10

(c) 9

(d) None of these

Q45. INSIPID : PIQUANT :: (Select the pair that shows the same relationship as the capitalized pair)

(a) relish : spice

(b) tasty : bland

(c) sweet : dessert

(d) flat : spicy

Q46. In a certain code, TERMINAL is written as SDQLJQBM. How is CREDIBLE written in that code?

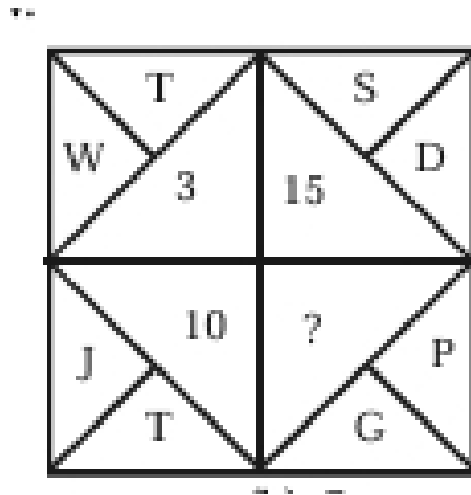
(a) BQDCJCMF

(b) BQDCHAKD

(c) DSFEJCMF

(d) DSFEHAKD

Q47. Find out the missing letter/number in place of the question mark in the figure below



- (a) 11
- (b) 5
- (c) 9
- (d) 13

Q48. Find the missing number (?) in the third row of the table:

1	2	3	2	10	12
2	5	12	10	16	13
1	2	1	?	10	24

- (a) 5
- (b) 11
- (c) 13
- (d) 8

-
- Seeta, Rajinder and Surinder are children of Mr. and Mrs. Aggarwal.
 - Renu, Raja and Sunil are children of Mr and Mrs. Malhotra.
 - Sunil and Seeta are a married couple and Ashok and Sanjay are their children.
 - Geeta and Rakesh are children of Mr. and Mrs. Gupta.

- Geeta is married to Surinder and has three children named Rita, Sonu and Raju.

Q49. How is Rajinder related to Ashok? (Use the family information given above.)

- (a) Father-in-law
 - (b) Brother-in-law
 - (c) Cousin
 - (d) Maternal Uncle
-

Q50. What is Sanjay's surname?

- (a) Gupta
 - (b) Malhotra
 - (c) Aggarwal
 - (d) Surinder
-

Q51. Renu is Sanjay's

- (a) Sister-in-law
 - (b) Sister
 - (c) Cousin
 - (d) Aunty
-

Q52. Mohan is the son of Arun's father's sister. Prakash is the son of Reva, who is the mother of Vikas and grandmother of Arun. Pranab is the father of Neela and the grandfather of Mohan. Reva is the wife of Pranab. How is the wife of Vikas related to Neela?

- (a) Sister
- (b) Sister-in-law
- (c) Niece

(d) None of these

I. A cube has six sides, each of which has a different colour :

black, blue, brown, green, red and white.

II. The red side is opposite the black.

III. The green side is between the red and the black.

IV. The blue side is adjacent to the white.

V. The brown side is adjacent to the blue.

VI. The red side is the bottom face.

Q53. Which *four* colours are adjacent to Green?

(a) black, blue, brown, red

(b) black, blue, brown, white

(c) black, blue, red, white

(d) black, brown, red, white

Q54. Which of the following can be deduced from (I), (II) and (VI)?

(a) Black is on the top

(b) Blue is on the top

(c) Brown is on the top

(d) Brown is opposite to black

Q55. Which statement among (I)–(VI) adds *no new* information beyond the rest?

(a) II

(b) III

(c) V

(d) VI

Q56. If the Red side is exchanged with the Green side and the Blue is swapped with Black, then which of the following is false?

- (a) Red is opposite to Black
 - (b) White is adjacent to Brown
 - (c) Green is opposite to Brown
 - (d) White is opposite to Blue
-

Ankit is decorating his room and trying to arrange six paintings on the east and west walls in his room. The paintings are each multicolour representations of one of the letters of the alphabets E, H, M, O, R, T. Ankit does not want the three letters on each wall to make any common English word. Also, the colours of the O and E do not look good next to each other, nor do the T and O go well together

Q57. If Ankit puts E, H and M on the *east* wall, which of the following must be true?

- (a) R and M cannot face each other
 - (b) O cannot be in the centre of the west wall
 - (c) E cannot be in the centre of the east wall
 - (d) T and M cannot face each other
-

Q58. If he decides to celebrate by making the sequence around the room spell *MOTHER*, starting at the leftmost on the east wall and then going around the room, which of the following will be false?

- (a) O is opposite to E
 - (b) H is next to E
 - (c) T is next to O
 - (d) T is opposite to R
-

Q59. Which of the following is *not* possible (respecting the O–E and O–T adjacency bans)?

- (a) T and O to be opposite to each other
 - (b) T, H and E to be on the same wall
 - (c) H, M and R to be on the same wall
 - (d) M and O to be opposite to each other
-

Q60. Now replace M by another O (so the multiset is $\{E, H, O, O, R, T\}$). Which of the following *must be false*?

- (a) O's can be on opposite walls in the middle
 - (b) Either R or H will be next to an O
 - (c) Either R or H will be next to either T or E
 - (d) T will be opposite to either O or E
-

P, Q, R, S, T, V, W and X are captains of eight different cricket teams, namely Australia, New Zealand, India, Pakistan, Sri Lanka, England, West Indies and South Africa, but not necessarily in the same order. All of them are seated around a circular table and are facing the centre.

P sits third to the left of the Sri Lankan captain. Only two people sit between T and W. Neither T nor W is an immediate neighbour of P. Neither T and W is the captain of Sri Lanka. The captain of South Africa sits second to the right of S. S is not an immediate neighbour of P. S is not the Sri Lankan captain and P is not the captain of South Africa. The Australian captain sits third to the left of V. The Australian and Sri Lankan captains are not immediate neighbours. Only one person sits between S and the Indian captain. Captains of Pakistan and New Zealand are immediate neighbours. S is not the captain of New Zealand's team. Only one person sits between Q and the captain of England. The captain of England is an immediate neighbour of X. W and Q are not immediate neighbours.

61. How many people sit between T and the captain of England when counted in clockwise direction from T?

- (a) None
 - (b) One
 - (c) Two
 - (d) Four
-

62. Who is the captain of the Australian team?

- (a) P
 - (b) V
 - (c) W
 - (d) T
-

63. Which of the following would come in place of question mark based upon the given seating arrangement?

VS XR TV RP ?

- (a) SW
 - (b) WX
 - (c) QW
 - (d) QX
-

64. Which of the following is true with respect to the given arrangement?

- (a) R is the captain of South Africa
 - (b) W is an immediate neighbour of V
 - (c) The captain of Australia and England are immediate neighbours
 - (d) Four people sit between W and Q
-

65. Four girls (G_1, G_2, G_3, G_4) and three boys (B_1, B_2, B_3) are to sit for a dinner such that no two boys should sit together nor two girls. If they are successively sitting, what is the position of B_2 and G_3 ?

- (a) 5th and 6th
 - (b) 4th and 5th
 - (c) 3rd and 4th
 - (d) 2nd and 3rd
-

66. Five students participated in the scholarship examination. "Sudha scored higher than Puja. Kavita scored lower than Suma but higher than Sudha. Mamta scored between Puja and Sudha." Who scored lowest in the examination?

- (a) Puja
 - (b) Kavita
 - (c) Mamta
 - (d) Sudha
-

67. Persons X, Y, Z and Q live in red, green, yellow or blue coloured houses placed in a sequence on a street. Z lives in a yellow house. The green house is adjacent to the blue house. X does not live adjacent to Z. The yellow house is in between the green and red houses. The colour of the house X lives in is:

- (a) green
 - (b) blue
 - (c) red
 - (d) cannot be determined
-

- Facts, which deal with pieces of information that one has heard, seen or read, and which are open to discovery or verification (the answer option indicates such a statement with an 'F').

- Inferences, which are conclusions drawn about the unknown, on the basis of the known (the answer option indicates such a statement with an 'I').
- Judgments, which are opinions that imply approval or disapproval of persons, objects, situations and occurrences in the past, the present or the future (the answer option indicates such a statement with a 'J')

68. Select the answer option that best describes the set of four statements.

1. So much of our day-to-day focus seems to be on getting things done, trudging our way through the tasks of living - it can feel like a treadmill that gets you nowhere; where is the childlike joy?
2. We are not doing the things that make us happy; that which brings us joy; the things that we cannot wait to do because we enjoy them so much.
3. This is the stuff that joyful living is made of - identifying your calling and committing yourself wholeheartedly to it.
4. When this happens, each moment becomes a celebration of you; there is a rush of energy that comes with feeling completely immersed in doing what you love most.

- (a) IIJJ
- (b) IFIJ
- (c) JFJJ
- (d) JJJJ

69. Select the answer option that best describes the set of four statements.

1. Given the poor quality of service in the public sector, the HIV/AIDS affected should be switching to private initiatives that supply anti-retroviral drugs (ARVs) at a low cost.
2. The government has been supplying free drugs since 2004, and 35000 have benefited up to now even though the size of the affected population is 150 times this number.
3. The recent initiatives of networks and companies like AIDS Care Network, Emcure, Reliance-Cipla-CII, could lead to availability of much-needed drugs to a larger number of affected people.
4. But how ironic it is that we should face a perennial shortage of drugs when India is one of the world's largest suppliers of generic drugs to the developing countries.

- (a) FFIJ
- (b) IFIJ
- (c) JFIJ
- (d) IFJJ

70. Select the answer option that best describes the set of four statements.

1. According to all statistical indications, the Sarva Shiksha Abhiyan has managed to keep pace with its ambitious goals.
2. The Mid-day Meal Scheme has been a significant incentive for the poor to send their little ones to school, thus establishing the vital link between healthy bodies and healthy minds.
3. Only about 13 million children in the age group of 6 to 14 years are out of school.
4. The goal of universalisation of elementary education has to be a pre-requisite for the evolution and development of our country.

- (a) IFEJ
- (b) IJJJ
- (c) IJFJ
- (d) IJFI

Read the following Passage and answer the questions below:

The bird egg is a self-contained life-support system for the developing bird embryo. All the nutrients, minerals, energy sources and water utilized by the embryo during its incubation are already present in the freshly laid egg, so that the egg requires only warming by the parents and periodic turning to prevent the adhesion of the embryo to the shell membranes. Still, the egg lacks one crucial requirement: oxygen, which drives the metabolic machinery of the embryonic cells so that they can execute the complex maneuvers of development. How does the egg breathe, taking up oxygen from the surrounding atmosphere and discharging carbon dioxide, the waste product of respiration?

Gas exchange is usually associated with the periodic inhalation of a fluid medium (air or water), which carries oxygen to the capillaries of the lungs or the gills and removes carbon dioxide from the respiratory organ with each exhalation. The lungs or the gills are driven by muscles whose rate of pumping is determined by metabolic demand and controlled by the nervous system. Yet the eggs of birds and other organisms (such as insects, spiders, amphibians and reptiles) show no respiratory movements, and there are no air currents within the egg that could transport oxygen to the capillaries of the growing embryo. Instead the egg “breathes” by diffusion through thousands of microscopic pores in the shell.

Gas moves through the pores by the passive process of diffusion: the tendency for a high concentration of a molecule to run downhill to an area of lower concentration. Diffusion takes place because of the kinetic energy of gas molecules and does not require the direct expenditure of metabolic energy by the embryo: the lower concentration of oxygen inside the egg brings new oxygen through the pores from the outside, and the molecules are free to diffuse in and out in a direction determined by concentration. The air within the egg is humid, and water molecules can also diffuse out. Animals have evolved many specialized adaptations for conserving water, but bird eggs seem designed to lose it at a controlled rate. Most of the energy needed for embryonic development is taken from the fat stores of the yolk, and for every gram of fat burned an almost equal mass of metabolic water is generated. Therefore, the relative water content of the egg will increase during incubation unless water is lost. If the relative water content at hatching is to equal that of the freshly laid egg, about 15 percent of the initial mass of the egg must be lost as water. As breeders of domestic fowl well know, this amount of water loss is essential for successful hatching.

Q71. The passage is primarily concerned with

- (a) explaining difficulties involved in cultivating domestic fowl.
- (b) explaining the origin of passive diffusion as a method of respiration.
- (c) explaining the processes of gas and water diffusion in eggs.
- (d) distinguishing between passive diffusion and active respiration.

Q72. A necessary ingredient in the eggshell's suitability for gas exchange is its

- (a) opacity
- (b) fragility
- (c) permeability
- (d) adhesiveness

Q73. The passage contains information that would answer which of the following questions about fowl-breeding?

- I. What function does turning the fertilized egg serve in the hatching process?
- II. Why must the egg shed water during the hatching process?
- III. What occurs when the amount of water loss during hatching exceeds 15 percent of the egg's initial mass?

- (a) II only
- (b) I only
- (c) I and II only
- (d) II and III only

Q74. The passage would be most likely to appear in

- (a) a pamphlet designed to introduce novice breeders of domestic fowl to the advantages of current techniques.
- (b) an agricultural research report focused on the history of fowl-breeding practices in the United States.
- (c) a Congressional report urging the appropriation of funds for research into needed improvements in egg-hatching.
- (d) a scientific journal article highlighting biochemical and physical principles underlying common phenomena.

Q75. According to the passage, which of the following statements is true of the extent of water loss by the egg during the hatching process?

- (a) It exceeds the initial mass of the egg by 15 percent.
- (b) It is regulated by a specialized adaptation for conserving water.
- (c) It should compensate for the egg's entire water gain during incubation.
- (d) It should amount to 15 percent of the egg's water gain during incubation.

Q76. ZOOM

- (a) Soothe
- (b) Plummet
- (c) Subjugate
- (d) Refute

Q77. PREDILECTION

- (a) Antipathy
- (b) Ignorance
- (c) Dissonance
- (d) Disharmony

Q78. DOCILE

- (a) Unmanageable
 - (b) Dutiful
 - (c) Submissive
 - (d) Painful
-

Q79. EQUIVOCAL

- (a) Mistaken
 - (b) Quaint
 - (c) Clear
 - (d) Universal
-

Q80. PROSAIC

- (a) Pensive
 - (b) Imaginative
 - (c) Rhetorical
 - (d) Pacified
-

Q81. LEVITY

- (a) Praise
 - (b) Blame
 - (c) Solemnity
 - (d) Frivolity
-

Q82. OBLOQUY

- (a) Praise
 - (b) Cruel
 - (c) Slander
 - (d) Dialogue
-

Q83. ELAN

- (a) Flair
 - (b) Spiritual
 - (c) Inspiration
 - (d) Boredom
-

Q84. GAUCHE

- (a) Vain
 - (b) Rich
 - (c) Polished
 - (d) Tactless
-

Q85. BROWBEAT

- (a) Ambitious
 - (b) Challenging
 - (c) Intimidate
 - (d) Tarnish
-

Q86. IMPOSTURE

- (a) Claim
 - (b) Status
 - (c) Destruction
 - (d) Deception
-

Q87. PROBOSCIS

- (a) Search
- (b) Probe

- (c) Snout
 - (d) Prove
-

Q88. PARLEY

- (a) Discuss
 - (b) Deliver
 - (c) Sweeten
 - (d) Race
-

Q89. Pipes are not a safer to cigarettes because, though pipe smokers do not inhale, they are still higher rates of lung and mouth cancers than non-smokers.

- (a) alternative - subject to
 - (b) answer - responsible for
 - (c) preference - free from
 - (d) rejoinder - involved in
-

Q90. Because of its tendency to most Indian art is Japanese art, where symbols have been minimized and meaning has been conveyed by using the method of the merest suggestion.

- (a) overdraw - similar to
 - (b) understate - reminiscent of
 - (c) imitate - superior to
 - (d) sentimentalism - supportive of
-

Q91. In the absence of native predators, to stop the spread of their population, the imported goats to such an inordinate degree that they over-grazed the countryside and the native vegetation.

- (a) thrived - threatened
 - (b) suffered - abandoned
 - (c) propagated - cultivated
 - (d) dwindled - eliminated
-

Q92. The analysis of anything but the coach's report was, but those of us who have learned to discount such dismal are optimistic.

- (a) malicious - benefits
 - (b) sanguinary - traps
 - (c) pessimistic - confusion
 - (d) pleasant - prognostications
-

Q93. Choose the order of the sentences marked A, B, C, D, and E to form a logical paragraph.

- A. 'It's a tricky business', says Allan H. Meltzer, an economist at Carnegie Mellon University and a former economic adviser to President Reagan.
- B. Some policy-makers are focused on staving off the opposite problem—deflation, or falling prices, as demand weakens to the point that goods pile up without buyers, sending prices down and reducing the incentive for businesses to invest.
- C. That could shrink demand further and perhaps even deliver the sort of downward spiral that pinned Japan in the weeds of stagnant growth during the 1990s.
- D. "There's no math model that tells us when to do it or how."
- E. But that, as most economists see it, is a worry for another day.

- (a) ABCED
 - (b) ACDEB
 - (c) BCDEA
 - (d) ADEBC
-

Q94. Choose the order of the sentences marked A, B, C, D, and E to form a logical paragraph.

- A. Early in August, as his jeep wound its way through the piles of burning tyres that angry protestors had used to barricade the road from Srinagar airport into the city, former Chief Minister Farooq Abdullah, turned to a journalist sitting next to him with a smile on his face.
- B. “So,” he said, “are you here to write another article about how I don’t know how to run a government?”
- C. Having emerged as the single largest party in the J&K Assembly, with 28 seats in a house of 87, the National Conference has the undeniable right to form and lead the government.
- D. To do so, however, it will need the support of the Congress, which has picked up 17 seats.
- E. More likely than not, Dr. Abdullah’s leadership – or that of Jammu and Kashmir National Conference President, his son Omar Abdullah – will soon be put to the test.

- (a) ABECD
- (b) ABDEC
- (c) ADEBC
- (d) ABCED

Q95. Choose the order of the sentences marked A, B, C, D, and E to form a logical paragraph.

- A. This is the time of the year when people go out and shop for their winter wear.
- B. But it seems economic recession has hit the fashion industry as well.
- C. We haven’t seen exclusive fashion shows from big designers this winter.
- D. Designer Sandeep Khosla agrees, “Every industry has been hit and fashion is no different.”
- E. Its effect could be seen on both couture and readymade segments.

- (a) ADBCE
- (b) ABCDE
- (c) AEDBC
- (d) BCDEA

Q96. Choose the order of the sentences marked A, B, C, D, and E to form a logical paragraph.

- A. And, in turn, corporate houses seek employees who will benefit their company and help the company grow.
- B. It is an exchange of value.
- C. Both sides are seeking to benefit.
- D. Since we are on the eager prospective employee side, we need to please and satisfy our potential employers.
- E. One seeks employment for personal gain, profit and success.

- (a) ABCED
- (b) BCDEA
- (c) EABCD
- (d) DEABC

Q97. One or more of the sentences (A, B, C, D) is/are incorrect considering standard English usage. Identify the incorrect sentence(s).

- A. The rightfully believing that his geniuses in poetry laid in personal utterances, Irish poet William Butler Yeats recognized that these personal utterances alone could not organize a body of a lyric poetry and drama into the organic structure he hoped to build.
- B. For one thing personal utterances is beset by danger of sentimentality, which leads poetry away from that reality that poetry would deal with various kinds of self-pity and self-deceptions.
- C. He thus has to technique by which the person could some how be objectified, be given the appearance of impersonal “truth” and yet retained- motive force of privately felt belief.
- D. The partial solution was the theory the mask.

- (a) B, C and D
- (b) A, C and D
- (c) A, B, C and D

(d) A and B

Q98. One or more of the sentences (A, B, C, D) is/are incorrect considering standard English usage. Identify the incorrect sentence(s).

A. In the long history of the world, only a few generations have been granted the role of defending freedom in its hour of maximum danger.

B. I do not believe that any of us would exchange places with any other people or any other generation.

C. The energy, the faith, the devotion which we bring to this endeavor will light our country and all who serve it.

D. The glow from that fire can truly light the world.

(a) B only

(b) A only

(c) C only

(d) No error

Q99. One or more of the sentences (A, B, C, D) is/are incorrect considering standard English usage. Identify the incorrect sentence(s).

A. As the growing economy makes increasing demands on infrastructure inputs, these problems could worsen in the coming year.

B. Therefore, addressing infrastructure gaps needs to doing our topmost priority next year.

C. The second risk lies in the global macroeconomic imbalances, reflected in the twin deficits of the US and rising surpluses of Asia.

D. The longer these imbalances have persisted, the greater has become the risk of disruptive correction.

(a) A only

(b) B only

(c) C only

(d) D only

Q100. One or more of the sentences (A, B, C, D) is/are incorrect considering standard English usage. Identify the incorrect sentence(s).

A. A day after a controversy broke out over medicines manufactured by the guru, the Health Ministry said that they would put the medicines to the test.

B. The government will not scrap the Delhi-Mumbai airport modernization plan.

C. In the district town, the children told the committee members that they were not consuming the meals served by the schools.

D. The committee would keep watch on the quality of grain.

(a) B only

(b) D only

(c) A only

(d) A only

Q101. I prefer The Hindu. (a)/ but my eldest (b)/ son reads (c)/ Times of India (d).

(a) I prefer The Hindu

(b) but my eldest

(c) son reads

(d) Times of India

Q102. He was wearing shabby (a)/ faded trouser (b)/ which he explained, were called jeans (c)/ and cost (d) a fortune.

(a) shabby

(b) faded trouser

(c) were called jeans

(d) cost a fortune

Q103. He has become (a)/ so weak that even (b)/ a two furlongs (c)/ walk makes him breathless (d).

- (a) has become
- (b) so weak that even
- (c) a two furlongs
- (d) breathless

Q104. A picture of one of the progenitors (a)/ of the founder (b)/ of the company hanged (c)/ on the wall (d).

- (a) progenitors
- (b) founder
- (c) hanged
- (d) on the wall

Q105. His secretary told me (a)/ that she was unable to tell us when (b)/ her boss would return back (c)/ from his work (d).

- (a) told me
- (b) when
- (c) return back
- (d) from his work

Q106. Identify the best way of writing the sentence: When one reads the Hindi literature of the twentieth century, you find a striking contrast between the writings of Munshi Premchand and later day writers of popular Hindi fiction.

- (a) When one reads the Hindi literature of the twentieth century, you find a striking contrast between the writings of Munshi Premchand and later day writers of popular Hindi fiction.

- (b) When one reads the Hindi literature of the twentieth century, he finds a striking contrast between the writings of Munshi Premchand and later day writers of popular Hindi fiction.
- (c) When you read the Hindi literature of the twentieth century, one finds a striking contrast between the writings of Munshi Premchand and later day writers of popular Hindi fiction.
- (d) If one reads the Hindi literature of the twentieth century, you find a striking contrast between the writings of Munshi Premchand and later day writers of popular Hindi fiction.
-

Q107. Identify the best way of writing the sentence: No officer had ought to be put into a situation where he has to choose between his love for his family and the responsibilities accompanying his duty.

- (a) No officer had ought to be put into a situation where he has to choose between his love for his family and the responsibilities accompanying his duty.
- (b) No officer should be put into a situation where he has to choose between his love for his family and the responsibilities accompanying his duty.
- (c) No officer should had to be put into a situation in which he has to choose between his love for his family and the responsibilities accompanying his duty.
- (d) No officer ought to be put into a situation in which he has to choose between his love for his family and the responsibilities accompanying his duty.
-

Q108. Identify the best way of writing the sentence: Entertainment being recognized as an important factor in improving mental and physical health and thereby reducing human misery and poverty.

- (a) Entertainment being recognized as an important factor in improving mental and physical health and thereby reducing human misery and poverty.
- (b) Recognition of it being an important factor in improving mental and physical health entertainment reduces human misery and poverty.
- (c) Recognizing entertainment as an important factor in improving mental and physical health and thereby reducing human misery and poverty.

(d) Entertainment is recognized as an important factor in improving mental and physical health and thereby reducing human misery and poverty.

Q109. Identify the best way of writing the sentence: Ever since the sting operation, there has been much opposition from they who maintain that it was an unauthorized act.

- (a) Ever since the sting operation, there has been much opposition from they who maintain that it was an unauthorized act.
 - (b) Ever since the sting operation, there has been much opposition from those who maintain that it was an unauthorized act.
 - (c) Ever since the sting operation, there has been much opposition from they who maintain that it had been an unauthorized act.
 - (d) Ever since the sting operation, there has been much opposition from those maintaining that it was an unauthorized act.
-

Q110. Identify the best way of writing the sentence: If we cooperate together by dividing up the booty, we shall be able to work together smoothly in the future.

- (a) If we cooperate by dividing up the booty, we shall be able to work together smoothly in the future.
 - (b) If we cooperate together by dividing up the booty, we shall be able to work together smoothly in the future.
 - (c) If we cooperate by dividing up the booty together, we shall be able to work together smoothly in the future.
 - (d) If we cooperate with each other by dividing the booty, we shall be able to work together smoothly in the future.
-

Q111. Recently, the Cabinet Committee on Economic Affairs hiked the cap on foreign investment in the broadcast sector to:

- (a) 74 per cent
 - (b) 49 per cent
 - (c) 26 per cent
 - (d) 60 per cent
-

Q112. India's first newspaper was:

- (a) Amrita Bazar Patrika
 - (b) Vande Mataram
 - (c) Bengal Gazette
 - (d) Rast Goftar
-

Q113. The biggest producer of diamond in the world is:

- (a) Russia
 - (b) South Africa
 - (c) Canada
 - (d) Botswana
-

Q114. When coat/blanket is beaten by the stick, the dust particles are removed. This is an example of:

- (a) Newton's first law of motion
 - (b) Newton's second law of motion
 - (c) Newton's third law of motion
 - (d) Newton's first law of gravitation
-

Q115. Shome Committee recently submitted its report to the Union Finance Minister. The report is related to:

- (a) Coal mine allocation
 - (b) GAAR
 - (c) Banking reform
 - (d) Privatisation of Railways
-

Q116. World's oldest peak, Guru Shikhar, is the highest peak of which of the following mountain ranges?

- (a) Purvanchal
 - (b) Aravali Range
 - (c) Satpura
 - (d) Shiwaliks
-

Q117. The winners of the Mixed Doubles title in the Wimbledon Tennis Championship 2012 are:

- (a) Frederik Nielsen and Elena Vesnina
 - (b) Jonathan Marray and Lisa Raymond
 - (c) Leander Paes and Elena Vesnina
 - (d) Mike Bryan and Lisa Raymond
-

Q118. Vembanad Lake is the longest lake in India. It is located in:

- (a) Kerala
 - (b) Tamil Nadu
 - (c) Odisha
 - (d) Maharashtra
-

Q119. In the Men's 7-a-side Football event at the London Paralympics 2012, which of the following countries won the gold medal?

- (a) Ukraine
 - (b) Brazil
 - (c) Russia
 - (d) Germany
-

Q120. Gaddis tribe is found in:

- (a) Himachal Pradesh
 - (b) Sikkim
 - (c) Kerala
 - (d) Arunachal Pradesh
-

Q121. Recently, Kaushik Basu has been appointed as the:

- (a) India's permanent representative in UN
 - (b) Chief economist and senior vice president of IMF
 - (c) Secretary-General of the Commonwealth
 - (d) Chairman, Finance Commission of India
-

Q122. Recently, ICC Under-20 World Cup 2012 final was held in:

- (a) London
 - (b) Berlin
 - (c) Tokyo
 - (d) South Africa
-

Q123. Who was the Chairman of the Constituent Assembly's Minorities Committee?

- (a) B.R. Ambedkar
- (b) Alladi Krishnaswamy Iyer

- (c) Harendra Coomar Mookerjee
 - (d) A.V. Thakkar
-

Q124. Which of the following strait connects the Gulf of Aqaba with the Red Sea?

- (a) Strait of Baltiysk
 - (b) Strait of Messina
 - (c) Straits of Tiran
 - (d) Strait of Hormuz
-

Q125. Who among the following Hollywood directors is the first person to make a solo dive to the Pacific Ocean trench?

- (a) James Cameron
 - (b) Robert Wise
 - (c) Steven Soderbergh
 - (d) William Wyler
-

Q126. K.N. Tilak Kumar is the current president of:

- (a) AIIMS
 - (b) NCERT
 - (c) Indian Newspaper Society
 - (d) National Commission for Scheduled Castes
-

Q127. National Commission for Protection of Child Rights (NCPCR) is the statutory body that monitors the implementation of the Act across the country. Who among the following is the current chairman of NCPCR?

- (a) Shantha Sinha

- (b) Yashwant Jain
 - (c) Amod Kanth
 - (d) Nina Nayak
-

Q128. The recommendations of the Inter-Ministerial Group (IMG) headed by Zohra Chatterjee are regarding:

- (a) reforms in Stock Markets
 - (b) reform in banking sectors
 - (c) tax reform
 - (d) de-allocation of coal mines
-

Q129. Which of the following countries in the world is the biggest consumer of gold?

- (a) China
 - (b) United States
 - (c) India
 - (d) Russia
-

Q130. Who is the current Chairman of Securities and Exchange Board of India (SEBI)?

- (a) Prashant Sareen
 - (b) S.S.N. Moorthy
 - (c) U.K. Sinha
 - (d) P.K. Malhotra
-

Q131. Senkaku Islands is disputed between:

- (a) England and France
- (b) China and Vietnam

- (c) China and Japan
 - (d) Egypt and Israel
-

Q132. Which of these is the largest producer of nuclear energy in the world?

- (a) France
 - (b) USA
 - (c) India
 - (d) Russia
-

Q133. 'Struggle for Existence' is the autobiography of which of the following Indian woman leaders?

- (a) Mayawati
 - (b) J. Jayalalitha
 - (c) Sushma Swaraj
 - (d) Mamta Banerjee
-

Q134. Recently China successfully tested the new 14,000 km-range Intercontinental Ballistic Missile (ICBM). What is the name of the missile?

- (a) Dongfeng-41
 - (b) Varyag
 - (c) Brahmos
 - (d) Changez-2
-

Q135. Which of the following is a book written by Salman Rushdie?

- (a) Swimming Home
- (b) Joseph Anton

- (c) Bring Up the Bodies
 - (d) The Lighthouse
-

Q136. Which of the following states has the highest number of joint families?

- (a) Uttar Pradesh
 - (b) Rajasthan
 - (c) Bihar
 - (d) Haryana
-

Q137. Recently, FIFA has labelled a 10-month ban on Juventus coach Antonio Conte for not reporting match-fixing. Antonio belongs to:

- (a) Canada
 - (b) Germany
 - (c) Australia
 - (d) Italy
-

Q138. Current President of International Cricket Council is:

- (a) N. Srinivasan
 - (b) Alan Isaac
 - (c) Suresh Kalmadi
 - (d) Nasim Ashraf
-

Q139. Which of the following organisation(s) has/have been chosen for the Skoll Award, 2012 for Social Entrepreneurship by the Skoll Foundation in Oxford, England?

- (a) The National Association of Street Vendors of India (NASVI) and Nidan
- (b) Sulabh International Social Service Organisation

- (c) Sambhav and Rashtriya Swayamsevak Sangh
 - (d) Zed Tech Social Organisation
-

Q140. To promote institutional deliveries and to create awareness and responsibility towards health in pregnant women, which of the following States has introduced 'Surakshit Maa' and 'Swasth Maa' awards?

- (a) Bihar
 - (b) Haryana
 - (c) Madhya Pradesh
 - (d) New Delhi
-

Q141. Which of the following airport authorities won the prestigious international 'Jane's ATC Award' for the year 2012?

- (a) Louisville Regional Airport Authority (LRAA)
 - (b) Thunder Bay Airport Authority (TBAA)
 - (c) Airports Authority of India (AAI)
 - (d) Halifax International Airport Authority (HIAA)
-

Q142. Which of the following female actors has been awarded the 'best actress award' in 59th National Film Awards?

- (a) Leishangthem Tonhoingambi Devi
 - (b) Vidya Balan
 - (c) Ananya Chatterjee
 - (d) Arundhati Nag
-

Q143. Santos Trophy is associated with which of the following games?

- (a) Cricket
 - (b) Football
 - (c) Badminton
 - (d) Golf
-

Q144. 'Do or Die' is associated with which of the following movement?

- (a) Dandi March
 - (b) Non-Cooperation Movement
 - (c) Khilafat Movement
 - (d) Quit India Movement
-

Q145. Which of the following Retail Groups in India is the 50:50 partner of world's largest retailer Wal-Mart Stores Inc.?

- (a) Bharti Group
 - (b) Mahindra Group
 - (c) Sahara Group
 - (d) Vodafone Group
-

Q146. One recipient of the Swedish Right Livelihood Award 2012 belongs to Afghanistan. Name that recipient:

- (a) Sima Samar
 - (b) Hayrettin Karaca
 - (c) Gene Sharp
 - (d) Campaign Against Arms Trade
-

Q147. 'Dans le harem de Kadhafi' is a book written by:

- (a) Lewis Hamilton
 - (b) Annick Cojean
 - (c) Barack Obama
 - (d) Vladimir Putin
-

Q148. 12th Five Year Plan will be for the period of:

- (a) 2010–2015
 - (b) 2015–2020
 - (c) 2011–2016
 - (d) 2012–2017
-

Q149. According to the latest report of Forest Survey of India, which of the following states has the largest forest cover area in India?

- (a) Arunachal Pradesh
 - (b) Madhya Pradesh
 - (c) Maharashtra
 - (d) Andhra Pradesh
-

Q150. Aamir Khan is the national goodwill ambassador of which of the following organisations?

- (a) UNESCO
 - (b) UNICEF
 - (c) ILO
 - (d) WIPO
-