

# SNAP Full Length Test 2

Test ID: 7 7 1 3 8 9

FLT-0007/10

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## Instructions

1. This booklet contains 20 pages including the blank ones. Immediately after opening the booklet, verify that all the pages are printed properly.
2. Use only a HB - pencil to darken circles on Answer OMR Sheet.
3. The break up of subject wise questions with their marking scheme are as follows:

Section	No. of Questions	No. of Questions	Total Questions	Total Marks
	Mark-1 each	Marks-2 each		
Quantitative & Data Interpretation & Data Sufficiency	30	5	35	40
General English	30	5	35	40
General Awareness, General Knowledge, Current Affairs, Business	30	5	35	40
Analytical & Logical Reasoning	—	30	30	60
<b>Total</b>	<b>90</b>	<b>45</b>	<b>135</b>	<b>180</b>

4. For every wrong answer, you will score 25% negative marks. You will be given 120 minutes to complete the test.
5. Do not attempt to copy nor allow or help others in copying. Any malpractice will invalidate your candidature.
6. Do not leave the hall at any point of time without handing over your Answer Sheet to the Invigilator.
7. You may take the question paper back with you.
8. Once you go out of the hall, re-entry is not permitted.

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**CAREER  
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## Quantitative and Data Interpretation & Sufficiency Section

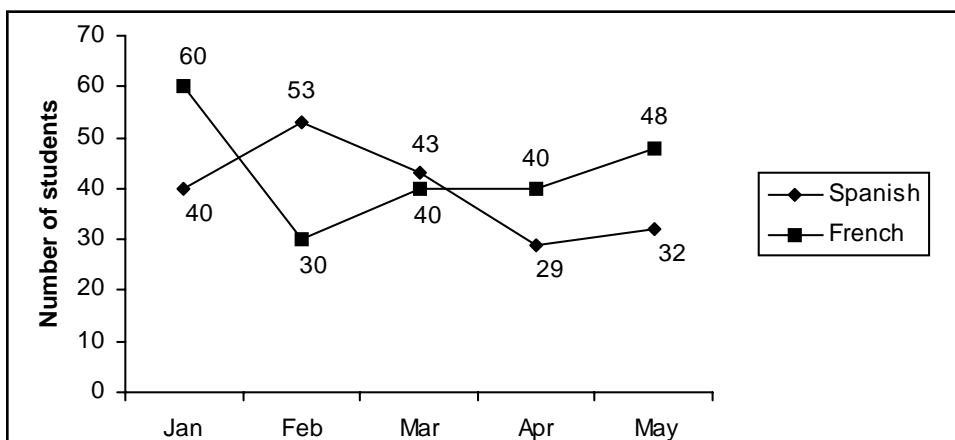
**Questions 1 to 5 carry 2 marks each.**

1. A bag contains 10 black socks, 10 brown socks and 10 blue socks. Ramesh picks 'm' number of socks to be absolutely sure that there are at least two socks of different colour and Ritesh picks 'n' number of socks to be absolutely sure that there are at least two socks of same colour. What is the minimum value of (m + n)?  
 a. 15                                      b. 18                                      c. 21                                      d. 19
2. What will be the 240<sup>th</sup> term of the series?  

$$\underbrace{b, b}_{2 \text{ terms}}, \underbrace{c, c, \dots, c}_{6 \text{ terms}}, \underbrace{d, d, \dots, d}_{12 \text{ terms}}, e, \dots$$
  
 a. h                                      b. j                                      c. i                                      d. k
3. In the following series 5, 8, 12, 18, 23, 30, 38 find the one number that is wrong.  
 a. 23                                      b. 30                                      c. 12                                      d. 18

**Directions for question 4:** Answer the question on the basis of the information given below.

The line graph shown below represents the number of students who studied 'Spanish' and 'French' in a course that runs every month from January to May. Based on the graph, answer the question that follow.



4. Given below are two statements based on the line-graph as shown above. Which of the following options holds true regarding both the statements made?  
**Statement I:** Between Spanish and French, the number of students who studied Spanish showed the maximum absolute percentage change in any of the given months with respect to the previous month.  
**Statement II:** The difference between the maximum and minimum value of 'Average number of students who studied Spanish and French in a month' was 15.5.  
 a. Only one of the statements is correct.                      b. Neither of the two statements is correct.  
 c. Both the statements are correct.                      d. More data is required to comment on statement I.
5. Out of 140 students in a class, 40 students have an average age of 15 years and 30 other students have an average age of 12 years. In rest of the 70 students, the minimum and the maximum age is 10 years and 20 years respectively. What is the maximum possible average age of the class?  
 a. 16 years                                      b. 16.78 years                                      c. 18 years                                      d. 7.5 years

**Questions 6 to 35 carry 1 mark each.**

**Directions for questions 6 and 7:** Bus A traveling at 60 km/hr leaves City 1 for City 2 at 6 P.M. Bus B traveling at 90 km/hr leaves City 2 for City 1 at 9 P.M. Bus C travelling at 50 km/hr leaves City 2 for City 1 at 10 P.M. Assume that all these buses start on the same day.

6. If the distance between City 1 and City 2 is 240 kms, then what is the time, when Bus A and Bus B meet?  
a. 9 : 40 P.M.                      b. 9 : 15 P.M.                      c. 9 : 24 P.M.                      d. 9 : 30 P.M.
7. If the distance between City 1 and City 2 is 300 kms, how far is Bus C from City 1 at the instant when Bus A reaches City 2?  
a. 225 kms                      b. 275 kms                      c. 200 kms                      d. 250 kms
8. This question consists of a question and two statements numbered I and II. Which of the following options holds true?

Ram has two younger brothers. Sum of ages of these three brothers is 18 years. All ages (in years) are integers. What is the age of Ram at present?

- I. The age (in years) at present of each brother is a prime number.  
II. Two years from now Ram's age (in years) would be a prime number.
- a. The data in Statement I alone is sufficient to answer the question, while the data in Statement II alone is not sufficient to answer the question.  
b. The data in Statement II alone is sufficient to answer the question, while the data in Statement I alone is not sufficient to answer the question.  
c. The data either in Statement I or Statement II alone is sufficient to answer the question.  
d. The data in both Statement I and II together is necessary to answer the question.

**Directions for questions 9 and 10:** Answer the following questions based on the table given below:  
Given below is a table showing details about the percentage of copper in 10 different alloys namely A, B, C, D, E, F, G, H, I and J. Every mixture is formed by using any two of the given alloys.

Percentage of Copper in different alloys			
<b>A</b>	0.24	<b>F</b>	1.4
<b>B</b>	0.35	<b>G</b>	1.12
<b>C</b>	0.7	<b>H</b>	0.4
<b>D</b>	12	<b>I</b>	0.4
<b>E</b>	10	<b>J</b>	30

9. What is the ratio of A and C in a mixture which has the same percentage of copper as that in alloy H?  
a. 1:5                      b. 15 : 8                      c. 3:5                      d. 2:17
10. Alloy A can be mixed with how many alloys such that the mixture has same percentage of copper as that in alloy F?  
a. 5                      b. 3                      c. 4                      d. 2
11. The cost of levelling and turfing a square field at Rs. 4 per square meter is Rs. 8100. Find the cost of fencing it across its boundaries at the rate of 20 paise per decimeter.  
a. Rs. 360                      b. Rs. 36                      c. Rs. 180                      d. Data insufficient.

12. The top of a building subtends an angle of  $30^\circ$  degree on a man walking along a straight line on the ground at 5 m/s at  $t = 0$  s. If the height of the building is 100 m, then find the time taken by the man to reach the building. (Assume that man's direction of motion is always the same and is towards the building at  $t = 0$  s and the height of the man is negligible)
- a.  $t = 14.64$  s      b.  $t = 34.64$  s      c.  $t = 36.60$  s      d. None of these

**Directions for questions 13 to 16:** Answer the questions on the basis of the information given below. The following table provides information about the number of sports played by students of six different classes viz. P, Q, R, S, T and U. The first column gives the percentage of students in each class who do no play any sport. The second column gives the percentage of students who play 'either 1 sport or no sport at all' and the third column gives the number of students who play more than one sport.

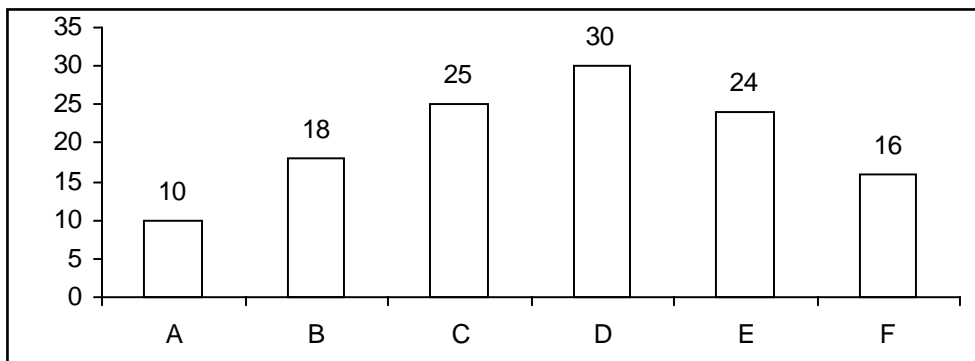
Class	I	II	III
P	40	40	120
Q	20	25	150
R	40	50	60
S	50	75	200
T	20	40	180
U	5	25	270

13. How many students in class T play exactly one sport?  
a. 40      b. 50      c. 70      d. 60
14. Which class has the second lowest number of students who play exactly one sport?  
a. Q      b. R      c. P      d. None of these
15. A class with second highest number of students playing at least one sport is  
a. Q      b. T      c. U      d. None of these
16. The total number of students in all these classes who play no sport are  
a. 544      b. 646      c. 682      d. None of these
17. In a vessel, 500 ml of A and 400 ml of B are mixed. After some time, 90 ml of the mixture is removed and is replaced by 90 ml of A. After some more time, 100 ml of the mixture is removed and is replaced by 100 ml of B. What is the ratio of A to B in the final mixture?  
a. 1 : 1      b. 8 : 7      c. 3 : 2      d. 2 : 3
18. The length of a rectangle is 20% more than its breadth such that the area and the breadth of the rectangle are both integers. The length of the rectangle will always be a multiple of  
a. 3      b. 4      c. 5      d. 7
19. From the first 6 natural numbers, 2 numbers are randomly chosen and arranged to form a two-digit number. Out of all the two-digit numbers thus formed, the numbers that are divisible by 4 are said to be in set S. A number is randomly selected out of set S. What is the probability that this number is divisible by 3?  
a.  $\frac{1}{4}$       b.  $\frac{3}{8}$       c.  $\frac{2}{7}$       d.  $\frac{1}{3}$
20. Which investment gives a better return, assuming that the face value of the shares is Rs.10?  
A: 7 % stock at 112, subject to 25% income tax  
B: 8 % stock at 110 , subject to 30% income tax  
a. A      b. B      c. Both A and B      d. None of these

21. From a set of first 10 natural numbers, 4 numbers are selected such that exactly three numbers are prime. In how many ways this can be done?  
a. 18                      b. 12                      c. 30                      d. 24
22. Two inlet taps A and B can fill a tank in 6 hours and 8 hours respectively, whereas an outlet tap C can empty the tank in 4 hours. If the inlet taps are left open for 2 hours before opening the tap C, then after what time (total) is the tank completely filled?  
a. 24 hours                      b. 17 hours                      c. 12 hours                      d. 19 hours
23. Study the question and the statements given below. Decide whether any information provided in the statement(s) is redundant and/or can be dispensed with to find the values of 'a' and 'b'. 'a' and 'b' are two integers.
- I.  $(a+b)^2 = 4$  ;  
II.  $a^2 + b^2 = 34$  ;  
III.  $a > 4$
- a. Either I or III                      b. Only I                      c. Any one of them                      d. None of them
24. A, B and C started a business by investing  $\frac{1}{3}$ rd,  $\frac{1}{2}$  and  $\frac{1}{6}$ th of the capital respectively. After  $\frac{1}{4}$ th of the total time B withdrew his capital completely and after  $\frac{1}{3}$ rd of the total time A withdrew his capital completely, C kept his capital intact for the full period. The ratio in which total profit is to be divided amongst A, B and C is  
a. 8 : 9 : 6                      b. 1 : 1 : 2                      c. 9 : 8 : 6                      d. 8 : 9 : 12
25. Gautam paid Rs. 152 for buying 18 pens. The price of one 'lid pen' is Rs. 9 and that of 'fountain pen' is Rs. 7. While preparing the bill the shopkeeper had exchanged the price of the two varieties of pens and handed over the bill to Gautam. What was the amount the shopkeeper charged in comparison to the actual price of the pens?  
a. Rs. 16 more                      b. Rs. 16 less                      c. Rs. 20 more                      d. Rs. 20 less
26. A pressure cooker having marked price Rs. 4200 is sold to a retailer at successive discounts of 25% and 15 %. The retailer wants a profit of 20% of his cost price after allowing a discount of 10% to the customer. At what price should he list the pressure cooker?  
a. Rs. 3200                      b. Rs. 3570                      c. Rs. 2400                      d. Rs. 2320
27. Water is supplied to 20 empty identical smaller cylindrical tanks from a larger cylindrical tank having (radius = 10 m and height = 28 m) which is initially fully filled. The water that can be supplied is just enough to fill all 20 smaller tanks. What is the value of cube of the radius of the smaller tank, if its radius is twice of its height?  
a.  $280 \text{ m}^3$                       b.  $140 \text{ m}^3$                       c.  $300 \text{ m}^3$                       d. None of these
28. The ratio of number of red balls to the number of green balls with Ramesh is 4: 7. The ratio of number of green balls to the number of red balls with Ajay is 3: 5. Which of the following can be the total number of red and green balls with Ramesh and Ajay?  
a. 22                      b. 40                      c. 35                      d. 20

29. The ratio of milk and water in a solution is 2 : 3. 40 L of this solution is taken out and is replaced by water. The total quantity of water in the solution becomes 100 L. What is the volume of the original solution?  
 a. 80 L                      b. 100 L                      c. 140 L                      d. 90 L
30. 40 percent of the population in a city are females. Out of the females, 20% are children whereas the rest are adults. Out of the males 75% are adults whereas the rest are children. The difference between the total number of adults and children as a percentage of the total population of the city is  
 a. 23%                      b. 77%                      c. 45%                      d. 54%
31. In how many ways the letters of the word PEAPEIQQ can be arranged so that all the vowels are together?  
 a. 300                      b. 420                      c. 400                      d. 360

**Directions for Questions 32 to 35:** Study the chart carefully and answer the questions that follow. The chart shows the percentage of passed students in the six sections of a class. Assume that each student belonged to exactly one section.



32. If there are equal number of students in each section, then in which section the number of students passed is 20% more than that of the number of students who passed in section C?  
 a. D                      b. A                      c. E                      d. None of these
33. What is the minimum possible number of students in the class, if there are only six sections in the class?  
 a. 64                      b. 300                      c. 124                      d. 600
34. Which of the following statements is definitely true?  
 a. The number of students who passed in section C is less than the number of students who passed in section D.  
 b. If there are minimum possible number of students in each of the sections, then the number of students who passed in section C is more than the number of students who passed in section D.  
 c. If there are minimum possible number of students in each of the sections, then the number of students who passed in section C is less than the number of students who passed in section F.  
 d. None of these.
35. If it is known that there were 50, 150, 36, 20, 250, 150 students in section A, B, C, D, E and F respectively, then what is the total number of students who failed altogether?  
 a. 525                      b. 131                      c. 255                      d. 178

## General English Section

**Questions 36 to 40 carry 2 marks each.**

**Directions for questions 36 to 40:** In each of the following questions, there is a certain relation between two given words on one side of :: and one word is given on another side of : : \_\_\_\_\_. Choose the suitable word to be put on the other side from the given alternatives.

36. Ostentatious : Pretentious :: Authentic : ?  
a. Perturbed                      b. Unfeigned                      c. Pompous                      d. Valiant
37. Garrulous : Silent :: Audacious : ?  
a. Timid                      b. Vulgar                      c. Tedious                      d. Rash
38. Humidity : Perspiration :: Cold : ?  
a. Hypochondria                      b. Heat wave                      c. Condensation                      d. Hypothermia
39. Vinification : Fermentation :: ? : Fertilization  
a. Pollination                      b. Conversion                      c. Oxidation                      d. Fission
40. Corrosion : Oxygen :: Abrasion : ?  
a. Movement                      b. Air                      c. Friction                      d. Heat

**Questions 41 to 70 carry 1 mark each.**

41. When the concept of culture first emerged in eighteenth- and nineteenth-century Europe; it connoted a process of cultivation or improvement, as in agriculture or horticulture. In the nineteenth century, it came to refer first to the betterment or refinement of the individual, especially through education, and then to the fulfillment of national aspirations or ideals. In the mid-nineteenth century, some scientists used the term "culture" to refer to a universal human capacity. In the twentieth century, "culture" emerged as a concept central to anthropology, encompassing all human phenomena that are not purely results of human genetics.

From the above passage, it is clear that the author believes that:

- a. culture is rooted in agriculture.  
b. humans are forever evolving.  
c. man is central to all cultural development.  
d. everything is dependent on man.

**Directions for questions 42 to 44:** Read the passage and answer within its context.

The average facade temperature of the globe has augmented more than 1 degree Fahrenheit since 1900 and the speed of warming has been almost three folds the century long average since 1970. This increase in earth's average temperature is called Global warming. More or less all specialists studying the climate record of the earth have the same opinion now that human actions, mainly the discharge of green house gases from smokestacks, vehicles, and burning forests, are perhaps the leading power driving the fashion.

The gases append to the planet's normal greenhouse effect, permitting sunlight in, but stopping some of the ensuing heat from radiating back to space. Based on the study on past climate shifts, notes of current situations, and computer simulations, many climate scientists say that lacking of big curbs in greenhouse gas discharges, the 21st century might see temperatures rise of about 3 to 8 degrees, climate patterns piercingly shift, ice sheets contract and seas rise several feet. With the probable exemption of one more world war, a huge asteroid, or a fatal plague, global warming may be the only most danger to our planet earth. As said, the major cause of global warming is the emission of green house gases like carbon dioxide, methane, nitrous oxide etc into the atmosphere. The major source of carbon dioxide is the power plants. These power plants emit large amounts of carbon dioxide produced from burning of fossil fuels for the purpose of electricity generation. About twenty percent of carbon dioxide emitted in the atmosphere comes from burning of gasoline in the engines of the vehicles. This is true for most of the developed countries. Buildings, both commercial and residential represent a larger source of global warming pollution than cars and trucks.

Building of these structures requires a lot of fuel to be burnt which emits a large amount of carbon dioxide in the atmosphere. Methane is more than 20 times as effectual as CO<sub>2</sub> at entrapping heat in the atmosphere. Methane is obtained from resources such as rice paddies, bovine flatulence, bacteria in bogs and fossil fuel manufacture. When fields are flooded, anaerobic situation build up and the organic matter in the soil decays, releasing methane to the atmosphere. The main sources of nitrous oxide include nylon and nitric acid production, cars with catalytic converters, the use of fertilizers in agriculture and the burning of organic matter. Another cause of global warming is deforestation that is caused by cutting and burning of forests for the purpose of residence and industrialization.

Scientists all over the world are making predictions about the ill effects of Global warming and connecting some of the events that have taken place in the past few decades as an alarm of global warming. The effect of global warming is increasing the average temperature of the earth. A rise in earth's temperatures can in turn root to other alterations in the ecology, including an increasing sea level and modifying the quantity and pattern of rainfall. These modifications may boost the occurrence and concentration of severe climate events, such as floods, famines, heat waves, tornados, and twisters. Other consequences may comprise of higher or lower agricultural outputs, glacier melting, lesser summer stream flows, genus extinctions and rise in the ranges of disease vectors. As an effect of global warming species like golden toad, harlequin frog of Costa Rica has already become extinct. There are number of species that have a threat of disappearing soon as an effect of global warming. As an effect of global warming various new diseases have emerged lately. These diseases are occurring frequently due to the increase in earth's average temperature since the bacteria can survive better in elevated temperatures and even multiply faster when the conditions are favorable. The global warming is extending the distribution of mosquitoes due to the increase in humidity levels and their frequent growth in warmer atmosphere. Various diseases due to ebola, hanta and machupo virus are expected due to warmer climates. The marine life is also very sensitive to the increase in temperatures. The effect of global warming will definitely be seen on some species in the water. A survey was made in which the marine life reacted significantly to the changes in water temperatures. It is expected



that many species will die off or become extinct due to the increase in the temperatures of the water, whereas various other species, which prefer warmer waters, will increase tremendously. Perhaps the most disturbing changes are expected in the coral reefs that are expected to die off as an effect of global warming. The global warming is expected to cause irreversible changes in the ecosystem and the behavior of animals.

42. The passage mentions all, except which one of the following as an effect of global warming?
- a. gases blocking the transmission of heat.
  - b. rise in temperature.
  - c. transformation in climate patterns.
  - d. huge asteroids.
43. The tone of the passage is:
- a. anxious
  - b. shocked
  - c. questioning
  - d. critical
44. Scientists are:
- a. Monitoring the level of global warming.
  - b. Linking the environmental changes to global warming.
  - c. Devising ways of preventing global warming.
  - d. Creating pollution free zones to lower the effect of global warming.

**Directions for questions 45 to 47:** Read the passage and answer within its context.

China and Russia remain two countries fascinated, influenced, and sometimes repelled by the experience of the other. Had the Soviet experience continued to be one of evolutionary democratisation as it was between 1986 and 1989, it would have had a very positive influence in China. Twenty years ago, the general secretary of the Chinese Communist party Zhao Ziyang told Mikhail Gorbachev that Soviet political reform was being followed with huge interest in his country and that the intelligentsia were demanding that China emulate the example of perestroika. Zhao himself, as his newly-available posthumously published reflections (Prisoner of the State: The Secret Journal of Zhao Ziyang, 2009) make clear, had personal sympathy with the goal of political reform and was opposed to the ruthless crackdown on the pro-democracy demonstrators. Visiting Chinese research institutes in 1988, I myself found enormous interest in the Soviet perestroika. I even heard party intellectuals say: "We need a Chinese Gorbachev."

Attitudes are very different now. In the conservative backlash that followed Tiananmen, Zhao lost the party leadership and before long was under house arrest (in which he remained until his death in 2005). And today not only opponents of political reform but also those who favour democratisation in China see the Soviet experience as a reason for caution. In Beijing this spring I met many intellectuals who favoured further reform, but their overwhelming emphasis was on "step-by-step" change. Any desire for far-reaching political reform is overlain by acute consciousness of what followed the 1989 democratisation of the Soviet Union-its rapid breakup.

It may be, however, that the Chinese have read too much into the Soviet experience. Han Chinese make up 90 per cent of the population of China whereas Russians constituted only 50 per cent of the inhabitants of the USSR. While further political liberalisation would-as in the Soviet case-raise expectations among national minorities and make the task of managing inter-ethnic conflict harder, a comprehensive Soviet-style collapse would be extremely unlikely in China.

45. The explanation for the Chinese lack of interest in a major political reform is:  
a. change in attitudes.  
b. change in leadership.  
c. acceptance of the leadership.  
d. learning from the Russian break-up.
46. The explanation for the Russian debacle is:  
a. the structure of its population.  
b. the liberal mindset of the Russians.  
c. the presence of minorities in Russia.  
d. the conflict in the ethnic groups.
47. The tone of the passage is:  
a. appreciative                      b. mocking                      c. analytical                      d. perceptive
48. The plural of Louse is  
a. Louses                      b. Lice                      c. Lices                      d. Lousi
49. Maria's looking \_\_\_\_\_ her spectacles.  
a. from                      b. for                      c. with                      d. into
50. Choose the word with correct spelling  
a. occurance                      b. twelvth                      c. conscientious                      d. millennium

**Directions for questions 51 to 53:** Read the passage and answer within its context.

Over the past two decades, economists have been rediscovering human behaviour-real, irrational, confusing human behaviour, that is, rather than the predictable actions of the "economic man" who used to be pressed into service whenever modelling was to be done. It's a field that has conquered not only the academies but also the bestseller lists and the policy seminars-and that, given the role played by human greed and ignorance in the recent financial crisis, seems either more pertinent or more ironic than ever. Now, two new books offer an opportunity to exercise a little applied scepticism concerning the science of human waywardness itself.

The first of these, *Superfreakonomics*, is Steven D Levitt and Stephen J Dubner's sequel to their 2005 hit, *Freakonomics*, which told a swashbuckling scientific tale about how the right data can explain even the murkiest behaviours. *Freakonomics* worked because its economist, Levitt-his co-author, Dubner, is a journalist-was a brilliant investigator of this "hidden side of everything," as the subtitle put it. And the sequel is equally diverting. Did you know, for instance, that "the total impact of TV on crime in the 1960s [as it was introduced across America for the first time] was an increase of 50 per cent in property crimes and 35 per cent in violent crimes?" The authors don't have an explanation for this disturbing statistic, but make a robust enough case for its accuracy to give this reviewer serious pause for thought. Similarly, while much of the section on climate change feels like old news, their debunking of the experimental evidence for altruism is a provoking assault on several sacred cows.

As some reviewers pointed out in 2005, Levitt's economic approach is actually a pretty orthodox one. "There is no such thing as freakonomics," wrote the American legal scholar Cass Sunstein in the *New Republic*. "Nor is there anything remotely freaky about Levitt's approach. In assuming that people are

51. The author makes a reference to the "economic man":  
a. In order to highlight the changes in man's temperament.  
b. In order to depict the characteristics of human behaviour.  
c. In order to emphasize the unpredictability of human conduct.  
d. In order to downplay the emphasis on human behaviour.

52. According to the author, the data on increase in property crime points to:  
1. the brilliance of the investigation.  
2. the authenticity of the report.  
3. the robust case for accuracy of data.  
4. the total impact of TV on crime.  
  
a. Only 4                      b. Only 3                      c. Both 3 and 4                      d. Both 1 and 4

53. It can be inferred:  
a. that offering incentives is conventional.  
b. that Levitt is mainstream in his approach.  
c. that humans should be presented something challenging.  
d. that incentives are predictable.

54. If the following segments of a sentence are to be rearranged in a logical order as A, B, C, D where would '3' be placed:  
(1) Every bicyclist has to overcome wind resistance.  
(2) Most recreational bicycles in which the rider sits up have very poor aerodynamics.  
(3) Bicycle racers are aware of the problem of wind resistance and over the years have developed techniques for reducing it.  
(4) While newer bicycles are being designed with better aerodynamics in mind, the human body is simply not well designed to slice through the air.  
  
a. A                      b. B                      c. C                      d. D

55. In the following sentence choose the erroneous segment/s  
  
The present education system / in India mainly comprises of primary, / secondary and senior  
A    B    C  
secondary education.  
  
a. error in segment A.& C  
b. error in segment A.  
c. error in segment C.  
d. error in segment B.

56. Between the following pair of phrases, choose the correct option.  
 (i) At one's beck and call  
 (ii) At ones beck and call
- a. The first phrase is erroneous.                      b. The second phrase is erroneous.  
 c. Both phrases are erroneous.                      d. Both phrases are correct.
57. Choose the sentence with the correct underlined part  
 a. Your ability to communicate clearly will affect your income immensely.  
 b. The affect of a parent's income on a child's future is well documented.  
 c. Exposure to the sun had the affect of toughening his skin.  
 d. The plan is now in affect.
58. Pick out the right sentences.  
 (1) We waited one and a half hour.  
 (2) I have done a mistake.  
 (3) Which is the biggest city of the world?  
 (4) I have told you all that I know.
- a. 1 & 2                      b. 3 & 4                      c. 2 & 3                      d. All
59. Choose the correct option from a pair of phrases  
 (i) Don't change horses at midstream  
 (ii) Don't change horses in midstream
- a. The first phrase is erroneous.                      b. The second phrase is erroneous.  
 c. Both phrases are erroneous.                      d. Both phrases are correct.
60. Choose the option which is nearly opposite in meaning to PERFUNCTORY:  
 a. precise                      b. permissible                      c. heedful                      d. lifelong
61. Which does not make a sensible word/ phrase when added to the word: EAT:  
 a. away                      b. out                      c. up                      d. down
62. The sentence given below is divided into three parts (A, B, C). Choose the one which is erroneous.
- I don't feel up to / going out tonight because / I had a longer day at work.
- A                                      B                                      C
- a. error in segment C  
 b. error in segment A.  
 c. error in segment A & C  
 d. error in segment B
63. Everybody knew about the newcomer's ordeal, they \_\_\_\_\_.  
 a. could hear about it.  
 b. were hearing the grapevine.  
 c. listening to the grapevine.  
 d. heard it through the grapevine.

64. Pick out the incorrect sentences.
1. The criminal has alluded the police for three years.
  2. Except Anu, everybody was there.
  3. I have been here for three days.
  4. It's getting to winter.

a. 1 & 2                      b. 3 & 4                      c. 2 & 3                      d. All

**Directions for questions 65 to 69:** Read the sentences given below and indicate which part(s) of the sentence (identified as (a), (b) and (c) contains the error(s). You may choose Option (d) if there is no error in the sentence.

65. Two of Charles Dickens' most famous characters, Oliver Twist and David Copperfield, were an orphan who fell upon hard luck as children, but found happiness later in life. No Error.
- a.                                      b.                                      c.                                      d.
66. Two current television trends, the home improvement show craze and the 'hot rod' automobile fad, seem to show a dissatisfaction with our domestic spaces and indicating a desire for something riskier and more exciting. No Error.
- a.                                      b.                                      c.                                      d.
67. When his daughter asked him hundreds of questions about the blue whale suspended in the American Museum of Natural History, the father exercised patients and answered every query. No Error.
- a.                                      b.                                      c.                                      d.
68. Saif knew that the other applicants weren't as good as him, so he wasn't surprised when the company offered him the lucrative position. No Error.
- a.                                      b.                                      c.                                      d.
69. In the author's latest novel, the hero traveled to Chennai where she finds a mysteriously deserted house and, through a series of misunderstandings, becomes embroiled in an international smuggling ring. No Error.
- a.                                      b.                                      c.                                      d.
70. Match the following idiomatic references to parts of the human anatomy.
- |              |   |
|--------------|---|
| (1) Teeth    | (5) thoroughly                              |
| (2) Neck     | (6) taking desperate risks                  |
| (3) Heart    | (7) to make someone very unhappy            |
| (4) Backbone | (8) to be completely and elaborately armed. |
- a. 1-6, 2-5, 3-7, 4-8                      b. 1-8, 2-5, 3-7, 4-6
- c. 1-8, 2-6, 3-7, 4-5                      d. 1-6, 2-8, 3-7, 4-5

## General Knowledge Section

**Questions 71 to 75 carry 2 marks each.**

71. Which of the following is not an affiliated institution of the World Bank?  
a. International Finance Corporation  
b. Multilateral Investment Guarantee Agency  
c. International Center for Settlement of Investment Disputes  
d. All of the above
72. Champaran city is in which of the following states?  
a. Jharkhand                      b. Bihar                      c. Rajasthan                      d. None of these
73. Which of the following taxes was invented by Maurice Laure?  
a. Fringe Benefit Tax                      b. Securities Transaction Tax  
c. Value Added Tax                      d. Income Tax
74. Which of the following represents the real GDP growth rate in 2008-2009 in the agriculture sector?  
a. 1.6%                      b. 2.6%                      c. 3.6%                      d. 4.65
75. RTGS is a fund transfer mechanism. What is the expansion of 'S' in 'RTGS'?  
a. Security                      b. Settlement                      c. System                      d. Synchronization

**Questions 76 to 105 carry 1 mark each.**

76. The year in which the first nationalization of banks took place was ...  
a. 1949                      b. 1969                      c. 1980                      d. None of these
77. Which article of Indian constitution is NOT associated with emergency provisions?  
a. Article 352                      b. Article 356                      c. Article 360                      d. Article 370
78. Which of the following sages you would associate with the conceptualization of the Sankhya Philosophy?  
a. Adi Shankaracharya                      b. Bharat Muni  
c. Kapil Muni                      d. Ramanujacharya
79. Which of the following represents the difference between the GMT and IST?  
a. + 5 hrs                      b. + 5.30 hrs                      c. + 6 hrs                      d. + 6.30 hrs
80. Who is the current chairman & managing director of National Aviation Company of India Limited?  
a. Arvind Jadhav                      b. Amod Sharma                      c. V. Tulasidas                      d. Vishwapati Tripathi
81. The earth axis is inclined to the \_\_\_\_ to the plane of the orbit.  
a. 33.5 degrees                      b. 46.5 degrees                      c. 52.8 degrees                      d. 66.5 degrees

82. TV18 is a venture of ...  
 a. Prannoy Roy      b. Raghav Bahl      c. Kunal Dasgupta      d. Subhash Chandra
83. Which of the following is NOT a term associated with chess?  
 a. Bishop      b. Castle      c. Stalemate      d. Chop
84. Tim Berners Lee and Robert Cailliau are associated with the foundation of ...  
 a. You tube      b. World Wide Web      c. Face book      d. Electronic mail
85. Can you identify the man who is considered as the man behind the famous ad –campaign of AMUL from the given options?  
 a. Bobby Kooka      b. Sylvester daCunha      c. Alyque Padamsee      d. None of these
86. Which country is the world's smallest island nation?  
 a. Nauru      b. Guam      c. Kiribati      d. Palau
87. Find the odd one out.  
 a. Sayyed Modi      b. Chetan Anand      c. Manuel Aaron      d. Abhinav Shyam Gupta
88. Where would you find Salim Ali bird sanctuary in India?  
 a. Karnataka      b. Goa      c. Jammu & Kashmir      d. Uttar Pradesh
89. Farad is the unit of measurement of ...  
 a. Potential difference      b. Luminous intensity      c. Magnetic flux      d. Capacitance
90. Who is the author of the famous work titled *Siddhartha*?  
 a. George Bernard Shaw      b. James Joyce  
 c. Thomas Hardy      d. Herman Hesse
91. DPA is the name of the news agency that belongs to...  
 a. Italy      b. Holland      c. Germany      d. France
92. Which of the following represents the year in which Speed Post was initiated?  
 a. 1982      b. 1984      c. 1986      d. 1988
93. You would associate Asa Griggs Candler with the foundation of ...  
 a. Coca Cola      b. Motorola      c. IBM      d. Philips
94. Rock cut temples of Mahabalipuram were built during the reign of ...  
 a. Chola dynasty      b. Pallava dynasty      c. Gupta dynasty      d. Chandela dynasty
95. Perl, Ruby and Python are ...  
 a. Operating systems      b. Programming languages  
 c. Video games      d. Mobile operating systems
96. 'Live the moment', is the tag line that you would associate with ...  
 a. Jazz      b. Ritz      c. i 20      d. Zen Estilo

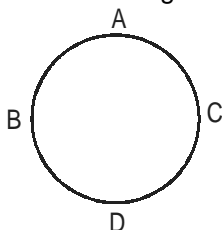
97. Who was the founder of Rashtriya Swayamsevak Sangh(RSS)?  
a. V.D Savarkar      b. K.B. Hedgewar      c. Kaka Kalekar      d. M.G. Ranade
98. The number of members of Asia Pacific Economic Co-operation (APEC) is...  
a. 17      b. 19      c. 15      d. 21
99. The punch line of DLF is ...  
a. Building India      b. Making tomorrow  
c. Transforming tomorrow      d. Creating tomorrow
100. Generali has tied up with \_\_\_\_\_ of India to form an insurance venture.  
a. AV Birla Group      b. Reliance Capital  
c. Videocon      d. Future Group
101. Which of the following countries is the topmost steel producing country of the world?  
a. China      b. US      c. Japan      d. Russia
102. The newly appointed President of the European Union Parliament is...  
a. Jose Manuel Barroso      b. Jerzy Buzek  
c. Eva –Britt Svensson      d. None of these
103. The year in which highest civilian award of India was awarded for the first time was...  
a. 1952      b. 1954      c. 1956      d. 1958
104. As per the revised estimates of CSO, which of the following represents the growth of the Indian economy in 2008-2009?  
a. 5.4%      b. 6.3%      c. 6.7%      d. 7.5%
105. Which of the following represents the venue of the first ministerial meet/conference of World Trade Organization (WTO) in 1996?  
a. Hong Kong      b. Geneva      c. Singapore      d. Uruguay



## Analytical & Logical Reasoning Section

Questions 106 to 135 carry two marks each.

106. In a joint family, Deepak is the only brother of Poonam who is the only daughter of Jaiprakash. Also, Parmila is the only sister of Dharmesh who has four sons. Sheetal is the mother of Ritesh. Dharmesh is the only son of his parents (both the parents of Dharmesh are alive) and Ritesh is the eldest son of Dharmesh. Parmila is the wife of Jaiprakash. How many members are there in the joint family?  
a. 7                                      b. 8                                      c. 10                                      d. 12
107. Four persons namely A, B, C and D are stationed on the circumference of the circle at equal distance from each other as shown in the figure given below. A and D are diametrically opposite to each other and the same holds true for B and C. From the given positions, A moves three-quarters of the circle in the anticlockwise direction, C moves two-quarters of the circle in the clockwise direction, D moves three-quarters of the circle in the anticlockwise direction and B moves one-quarter of the circle in the clockwise direction. Assuming that all the movements are along the circumference, which of the following options is true regarding the final positions of the four persons?



- a. A and C diametrically opposite to each other.  
b. A and C are at the same position.  
c. B and D are diametrically opposite to each other.  
d. A and D are at the same position.
108. Four persons named A, B, C and D like exactly one girl out of the four girls named W, X, Y and Z such that each person likes a different girl. Furthermore, it is known that A does not like W and Z. B does not like Y and Z. C does not like X and Y, whereas D does not like X and W. If it is known that B likes W, then whom does A like?  
a. X                                      b. Y                                      c. Z                                      d. Either X or Y.
109. Replace the question mark (?) with the right option.  
2, 36, 150, ?, 810.  
a. 360                                      b. 392                                      c. 288                                      d. 576

**Directions for questions 110 and 111:** Answer the questions on the basis of the information given below. Rajesh is at a point P. He walks 1 km towards north then 1 km towards east and then turning 45 degrees left walks for another 1 km. Finally Rajesh turns 90 degrees left and walks for another 1 km to reach his destination Q.

110. What is the direction of point P with respect to the point Q?  
a. North                                      b. South West                                      c. South East                                      d. South
111. What is the direct distance (in kms) between the points P and Q?  
a. 2.613                                      b. 2.415                                      c. 3.126                                      d. None of these

**Directions for questions 112 to 114:** Answer the questions on the basis of the information given below. There is a group of six persons viz. P, Q, R, S, T and U. Out of the 6 given persons, 2 are males. The ages (in years) of the six persons are 12, 8, 10, 14, 16 and 21 not necessarily in that order. The group contains exactly two persons from each of the three different countries A, B and C. Further, it is known that:

1. The average age of the two males is same as the average age of two of the four females.
  2. T is a male and is 6 years younger than the other male in the group.
  3. Both the males are from the same country.
  4. P is a female who is 8 years old and S is from the same country as P.
  5. The average age of the persons in the group who are from the country C is less than those who are from the country A.
  6. The average age of T and Q is same as that of P and R.
  7. Both Q and R are females.
112. Out of the six persons in the group, exactly which two are from the country A?  
a. P and S                      b. Q and T                      c. T and R                      d. Cannot be determined
  113. The age (in years) of U is  
a. 12                              b. 14                              c. 16                              d. Cannot be determined.
  114. If one of the mentioned persons from the country B is younger to a person from country A by more than 9 years, then what is the difference between the ages of the persons from country C?  
a. 6                              b. 13                              c. 2                              d. Cannot be determined.
  115. R is from  
a. Country A                      b. Country B                      c. Country C                      d. Cannot be determined.
  116. Given below are two equations:

(1) ☆☆☆☆ = ★★★★★

(2) ★★★ = □□○○○○○○

which of the following is true?

- a. ☆ = □○                      b. ☆ = □□○                      c. ☆ = □○○                      d. None of these

**Directions for questions 117 and 118:** Based on the information provided, answer the questions. There are 11 members in a family. A is the grandfather of I and J, who eventually are the sons of C and G. C is the son of B and brother of D, E and F. K is the daughter of H. E is the sister of F. H is the uncle of J.

117. How many female members are there in the family, if F is the son of B?  
a. 4                              b. 5                              c. 6                              d. Cannot be determined
118. Which of the following persons are definitely males?  
a. A and F                      b. A and J                      c. C and F                      d. All of these
119. In a certain language, 'Stairway to heaven' is written as 'je does partir'; 'Tears in heaven' as 'mes amis does'; and 'Back in black' as 'en route amis'. What words will be written for 'in' and 'heaven'?  
a. mes, does                      b. mes, amis                      c. amis, mes                      d. amis, does

120. Natural numbers from 1 to 8 are filled in the following grid (see figure) Each alphabet represents a distinct number. Also, no two consecutive numbers are placed in adjacent cells (for example, the cell A is adjacent to the cell E, B and G). What is the sum of numbers that must be placed in cell B and C?

	E	F	
A	B	C	D
	G	H	

- a. 8                      b. 9                      c. 11                      d. Cannot be determined
121. The average number of runs scored by the batsmen who batted in a cricket match for team A is 42. Had Naveen not batted for Team A, their average runs would have gone down by 6 runs. What is the maximum number of players who batted for Team A, given that no-one scored more than 100 runs?
- a. 8                      b. 9                      c. 10                      d. Cannot be determined
122. Four boxes are named A, B, C and D and in each box some amount of money is kept such that amount in each box is distinct and can be given by a positive integer. Total amount in the four boxes is Rs. 10. Amount in C is equal to that in D and A combined. Also, amount in A is not the least among the four. Amount in a box can be exactly determined for -
- a. No box                      b. Two boxes                      c. Only one box                      d. All the boxes
123. I need to distribute 13 identical balls between my four nephews such that each of them receives a distinct and non-zero number of balls. In how many ways can I do this?
- a. 64                      b. 36                      c. 3                      d. 72

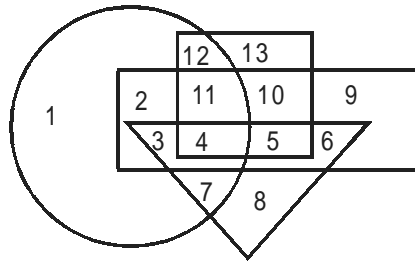
**Directions for questions 124 to 126.** Read the following about the grid given below and answer

- I. The cells in this grid contain first 10 natural numbers. Digit in each cell is distinct.
- II. Sum of the numbers in row 1 is greater than sum of the numbers in row 2 by 3.
- III. There is no prime number in row 1.
- IV. Sum of numbers in four particular columns (B, C, D and E) is the same.

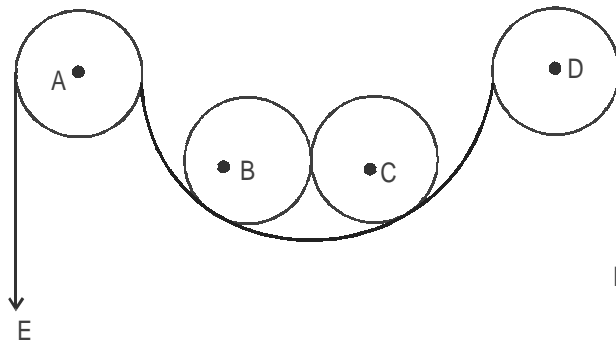
	A	B	C	D	E
1					
2					

124. What is the sum of the numbers in column A?
- a. 6                      b. 3                      c. 19                      d. 8
125. What is the sum of the numbers in column E?
- a. 11                      b. 12                      c. 13                      d. Cannot be determined
126. If the number in the grid '1-B' is 10 and if neither of the two numbers in column D is a perfect square or a perfect cube, then what is the absolute difference between the two numbers in column D?
- a. 1                      b. 3                      c. 7                      d. 8

**Directions for questions 127 to 129:** For the diagram below, the circle stands for 'physics', square stands for 'chemistry', triangle for 'mathematics' and rectangle for 'spanish'. All these subjects are taught in a class having certain number of students. The different regions of the diagram are numbered from 1 to 13. Study the diagram carefully and answer the questions :



127. How many distinct numbers indicate students who study exactly two subjects?  
a. 3                      b. 4                      c. 5                      d. 6
128. What number indicates students who study physics, mathematics and spanish but not chemistry?  
a. 3                      b. 4                      c. 5                      d. 6
129. How many distinct numbers indicate students who study exactly three subjects?  
a. 2                      b. 4                      c. 5                      d. 3
130. Following are the four pulleys pivoted at points A, B, C and D. There is also a rope passing through the circumference of the given pulleys. In what direction will the pulley C move if the rope is pulled from the point E?



- a. clockwise                      b. anti-clockwise                      c. will not move                      d. Cannot be determined

**Directions for question 131:** Read the arguments given below and then answer the question which follow them.

131. During the riots in India about 5000 people died in affected cities and about 6000 soldiers died while defending the border during the war. It can be said, keeping this in mind, that it is not more dangerous to be a soldier at the front than it is to be a common man in the city.

Which of the following would weaken the argument above?

- a. Expressing the difference between number of deaths among the common man and the soldiers as a percentage of the total number of deaths.  
b. Distinction between deaths caused by accidents and those caused by battle among soldiers.  
c. Comparison of death rates per thousand members of each group rather than comparing the total numbers of deaths.  
d. Comparison of deaths caused by road accidents with those of caused by war.

**Directions for questions 132 and 133:** In each question below, a statement is given followed by two courses of action. You have to assume everything in the statement to be true, then decide which of the suggested courses of action logically follows.

**Mark the answer as:**

- a. if only course of action I follows.
- b. if only course of action II follows.
- c. if neither course of action I nor II follow.
- d. if both the courses of action I and II follow.

132. **Statement:**

In a tragic incident, a terrorist enters the temple complex and sprays bullets on the devotees. 55 people get killed and 20 people injured in the incident.

**Course of Action:**

- I. The injured people should be immediately taken to the nearest hospital and given emergency treatment.
- II. An enquiry commission which examines the causes of the tragic accident should be immediately set up and it must be asked to submit its report within a stipulated period of time.

133. **Statement:**

Many deserving students don't get into a good B-school as they don't know English well.

**Course of Action:**

- I. The government should setup an independent body to regulate the MBA admissions.
- II. The government should setup new B-schools which use Hindi and other regional languages as their medium of instruction.

**Directions for questions 134 and 135:** The sentences in each question are followed by two statements (I & II). A conclusion should logically be derivable from both the sentences. For answers,

**Mark the answer as:**

- a. if only statement I is a conclusion
- b. if only statement II is a conclusion
- c. if both I and II are conclusions
- d. if neither statement I nor II is a conclusion

134. Some keys are locks.  
Some locks are nails.

- I. All keys are nails.
- II. Some keys may be nails.

135. Some cars are jeeps.  
Some vehicles are jeeps.

- I. Some vehicles may be cars.
- II. Some jeeps may be vehicles and cars.