

SYMBIOSIS NATIONAL APTITUDE TEST (SNAP) 2009

Instructions:

This test is divided into the following sections

Sections	Total Marks	No. of Questions
General English	40	40
Quantitative & Data Interpretation & Data Sufficiency	40	40
General Awareness	40	40
Analytical & Logical Reasoning	60	30
Total	180	150

* For every wrong answer, you will score 25% negative marks. You will be given 120 minutes to complete the test.

SECTION I GENERAL ENGLISH

For all questions in this sections, correct answer carry 1 mark each.

Directions for questions 1 and 2

Choose the correct option to fill the blank for correct grammatical use.

1. She is a close friend of _____.
(a) my (b) I
(c) me (d) mine
2. He took care of her _____ she was restored to health.
(a) when (b) before
(c) after (d) till
3. Choose the correct option: The man _____ his appearance completely since then.
(a) is changing (b) changed
(c) has changed (d) is changed
4. From the options below, choose the word with the incorrect spelling:
(a) Diarrhea (b) Diaper
(c) Dichotomy (d) Dias
5. Choose the word spelt correctly:
(a) superintendant (b) seive
(c) allotted (d) dissipate

Directions for questions nos. 6 - 9

Fill in the blanks with the correct pair of words:

6. He lives ____ Bangalore ____ 115, Richmond Road.
(a) at - in
(b) in - at
(c) at - on
(d) in - on
7. 'Aurally challenged' is a _____ for the _____.
(a) metaphor - blind
(b) euphemism - deaf
(c) simile - disabled
(d) synonym - dumb
8. If error is a _____, fault is _____.
(a) defect - a mistake
(b) mistake - a defect
(c) slip - an inaccuracy
(d) blunder - to blame

9. The man has _____ the rules of ethical conduct; he is _____ a beast.
(a) flaunted - literally
(b) ignored - basically
(c) broken - as
(d) flouted - virtually

Directions for questions nos. 10- 11

Which punctuation mark is missing in the following sentences?

- (a) inverted commas (b) semicolon
(c) comma (d) hyphen
10. Part of Australia is known to the natives as The Outback.
11. I know that you want to learn to drive Rima but you are too young.

Directions for questions nos. 12 - 13

Select as option the word closest in meaning to the given word:

12. Veracious
(a) False (b) Varied
(c) Image (d) Truthful
13. Perturb
(a) Stipulate (b) Turn around
(c) Disturb greatly (d) Compatible

Directions for questions nos. 14 - 15

Choose the option that is the closest in meaning to the phrases in bold:

14. He was a king who ruled his subjects **with a high hand**.
(a) sympathetically (b) oppressively
(c) democratically (d) generously
15. **I racked my brains** to solve this difficult problem.
(a) I read a large number of books.
(b) I consulted several people.
(c) I used my commonsense
(d) I subjected my mind to hard thinking.

Directions for questions nos. 16 - 17.

Select the most appropriate meanings of the underlined idiomatic phrase:

16. I was supposed to give a speech to my English class, but **I got cold feet** and I didn't go.
 (a) My English class-room makes my feet feel to cold.
 (b) My feet got cold so didn't go.
 (c) I got too nervous and I didn't go.
 (d) It was winter time and I had no socks for my feet.
17. Take care of what you say! **You will have to eat your words!**
 (a) You have no food to eat.
 (b) You will have to take back what you have said.
 (c) You are not good with your language.
 (d) None of the above.
18. Which two sentences convey the same idea?
 1. Shouldn't they have checked your tickets?
 2. I wonder if they should have checked your tickets.
 3. I want to know if they checked your tickets.
 4. They should have checked your tickets.
- (a) 2, 3 (b) 1, 2
 (c) 1, 4 (d) 2, 4

Directions for questions nos. 19 - 20.

Choose a single word which is opposed to the meaning contained in the sentence.

19. He was magnanimous and his benevolence made him give to charity.
 (a) mean (b) cruel
 (c) snobbish (d) tyrannical
20. Biannual is
 (a) once in two years (b) every year
 (c) twice a year (d) after every two years
21. Choose the odd one out:
 (a) temporal (b) ephemeral
 (c) transient (d) eternal
22. Choose the correct option:
 If 'inter' means between as in interstate, 'intra' as in intravenous means _____.
 (a) into (b) onto
 (c) within (d) without

23. Match the part of speech (in bold) to their usage (down)

1. Adjective 5. The fire engine came rushing **down** the hill.
 2. Preposition 6. He has seen the ups and **downs** of life.
 3. Noun 7. **Down** with the tyrant!
 4. Verb 8. The porter was hit by the **down** train.
- (a) 1-8, 2-5, 3-6, 4-7 (b) 1-6, 2-5, 3-8, 4-7
 (c) 1-5, 2-6, 3-7, 4-8 (d) 1-5, 2-7, 3-6, 4-8

Directions for question no. 24

Match the items in column I with those in column II. Choose the correct answer combination given below.

24. I II
 1. As deaf as 5. gall
 2. As bitter as 6. an eel
 3. As unpredictable as 7. a post
 4. AS slippery as 8. the weather

a	b	c	d
1-7	1-7	1-8	1-5
2-6	2-5	2-6	2-7
3-8	3-8	3-5	3-6
4-5	4-6	4-7	4-8

Directions for question no. 25

Match the parts of speech (in bold) to their usage.

25. ABOVE
 1. Adjective 5. Rain comes from **above**.
 2. adverb 6. His conduct is **above** suspicion.
 3. noun 7. Look **above** the mantel piece.
 4. preposition 8. The **above** information is for the public

(a)	(b)	(c)	(d)
1-8	1-7	1-8	1-6
2-7	2-6	2-5	2-8
3-5	3-5	3-6	3-5
4-6	4-8	4-7	4-7

Directions for questions nos. 26 - 27.

Choose the segment with the error. If there is not error, choose 'd'

26. Idli and Sambar make the breakfast
 (a) (b)
in the South.
 (c) (d)

(a) if the first sentence is correct
(b) if the second sentence is correct
(c) if both sentences are correct
(d) if both sentences are wrong.

29. 1. Can you imagine his forgetting his own birthday?
2. Can you imagine him forgetting his own birthday?

30. 1. Recently I read about a unique wedding that took place in the newspaper.
2. Recently I read in the newspaper about unique wedding that took place.

31. Complete the given sentence by choosing the correct phrase.
You cannot succeed unless
(a) you do not work hard.
(b) you shall not work hard.
(c) you will work hard.
(d) you work hard.

32. Re-arrange the scrambled segments in logical order to make a complete sentence.
1. to places where more opportunities are available
2. and so there is great demand for English'
3. for professional and economic growth
4. because it takes one outside one's own community
5. English is the language of opportunities
(a) 1, 2, 5, 3, 4 (b) 5, 4, 1, 3, 2
(c) 3, 1, 4, 2, 5 (d) 2, 1, 3, 5, 4

33. Choose the best construction:
(a) If you would have taken care you wouldn't have got typhoid.
(b) If you took care you wouldn't have got typhoid.
(c) If you take care you wouldn't have got typhoid.
(d) If you had taken care you wouldn't have got typhoid.

34. At times, we are all _____ to be mistaken.
(a) apt (b) likely
(c) considered (d) able

35. He hardly cares, _____?
(a) does he (b) doesn't he
(c) will be (d) won't he

36. As proud as a peacock.
(a) Metaphor (b) Simile
(c) Apostrophe (d) Epigram

37. Death lays his icy hand on kings.
(a) Personification (b) Exclamation
(c) Simile (d) Anticlimax

The process of change need not be traumatic. We couldn't have done any better because we didn't know how to. But

we should realize that was then and this is now! We can choose to choose again. It's up to us. It's our movie!

38. The "Frozen Feelings" being talked about are about,
 (a) negative childhood experiences.
 (b) childhood learning patterns.
 (c) inability to learn as an adult
 (d) none of the above.
39. A 'glitch' is
 (a) a ditch
 (b) uneasy emotions
 (c) sudden malfunction or breakdown
 (d) learning patterns.
40. Identify the correct statement, based on the paragraph.
 (a) The process of change needs to be traumatic.
 (b) We feel childish and we behave childishly.
 (c) Both sentences are incorrect.
 (d) Both the sentences are correct.

SECTION II QUANTITATIVE AND DATA INTERPRETATION & SUFFICIENCY

For all questions in this section, correct answers carry 1 mark each.

41. A dice is rolled three times and sum of three numbers appearing on the uppermost face is 15. The chance that the first roll was a four is
 (a) $\frac{2}{5}$ (b) $\frac{1}{5}$
 (c) $\frac{1}{6}$ (d) None of these.
42. A boat covers a distance of 30 kms downstream in 2 hours while it takes 6 hours to cover the same distance upstream. What is the speed of the boat in kms per hour?
 (a) 5 (b) 7.5
 (c) 13 (d) 18
43. A five digit number is formed by using the digits 1, 2, 3, 4, and 5 without repetitions. What is the probability that the number is divisible by 4?
 (a) $\frac{1}{5}$ (b) $\frac{5}{6}$
 (c) $\frac{4}{5}$ (d) None of these
44. If the algebraic sum of deviations of 20 observations measured from 23 is 70, mean of these observations would be
 (a) 24 (b) 25
 (c) 26 (d) None of these
45. An alloy of gold and silver weighs 50 gms. It contains 80% gold. How much gold should be added to the alloy so that percentage of gold is increased to 90?
 (a) 50 gms (b) 60 gms
 (c) 30 gms (d) 40 gms
46. Weekly incomes of two persons are in the ratio of 7 : 3 and their weekly expenses are in the ratio of 5 : 2. If each of them saves Rs. 300 per week, then the weekly income of the first person is
 (a) Rs. 7500 (b) Rs. 4500
 (c) Rs. 6300 (d) Rs. 5400
47. Wheat is now being sold at Rs. 27 per kg. During last month its cost was Rs. 24 per kg. Find by how much per cent a family reduces its consumption so as to keep the expenditure fixed.
 (a) 10.2% (b) 12.1%
 (c) 12.3% (d) 11.1%
48. There are 10 stations on a railway line. The number of different journey tickets that are required by the authorities is
 (a) 92 (b) 90
 (c) 91 (d) None of these
49. The radius of a circle is so increased that its circumference increased by 5%. The area of the circle then increases by
 (a) 12.5% (b) 10.25%
 (c) 10.5% (d) 11.25%
50. In how many ways can the letters of the word ABACUS be rearranged such that the vowels always appear together?
 (a) $6! / 2!$ (b) $3! * 3!$
 (c) $(3! * 3!)/2!$ (d) $(4! * 3!)/2!$

51. In 4 years, Rs. 6000 amounts to Rs. 8000. In what time at the same rate will Rs. 525 amount to Rs. 700?

(a) 2 years (b) 3 years
(c) 4 years (d) 5 years

Directions for Question Nos. 52-54

At the start of a game of cards, J and B together had four times as much money as T, while T and B together had three times as much as J.

At the end of the evening, J and B together had three times as much money as T, while T and B together had twice as much as J. B lost Rs. 200.

52. What fraction of the total money did T have at the beginning of the game?

(a) $\frac{1}{3}$ (b) $\frac{1}{8}$
(c) $\frac{2}{9}$ (d) $\frac{1}{5}$

53. What fraction of the total money did J win/lose?

(a) Won $\frac{1}{12}$ (b) Lost $\frac{1}{6}$
(c) Lost $\frac{1}{3}$ (d) Won $\frac{1}{5}$

54. What amount did B start with?

(a) Rs. 575 (b) Rs. 375
(c) Rs. 825 (d) Rs. 275

55. If a and b are negative, and c is positive, which of the following statement/s is/are true?

(I) $a - b < a - c$
(II) if $a < b$, then $a/c < b/c$
(III) $1/b < 1/c$
(a) I only (b) II only
(c) III only (d) II and III only

56. The diagonal of a square is $4\sqrt{2}$ cm. The diagonal of another square whose area is double that of the first square is—

(a) 8 cm (b) $8\sqrt{2}$ cm
(c) $4\sqrt{2}$ cm (d) 16 cm

57. The maximum length of a pencil that can be kept in a rectangular box of dimensions 8 cm \times 6 cm \times 2 cm, is—

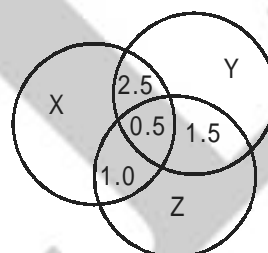
(a) $2\sqrt{13}$ cm (b) $2\sqrt{14}$ cm
(c) $2\sqrt{26}$ cm (d) $10\sqrt{2}$ cm

Directions for Question Nos. 58 to 59: based on the information given below

The Venn diagram given below shows the estimated readership of 3 daily newspapers (X, Y & Z) in a city. The total readership and advertising cost for each of these papers is as below

Newspaper	Readership (lakhs)	Advertising cost (Rs. per sq. cm)
X	8.7	6000
Y	9.1	6500
Z	5.6	5000

The total population of the city is estimated to be 14 million. The common readership (in lakhs) is indicated in the given venn diagram



58. The number of people (in lakhs) who read at least one newspaper is:

(a) 4.7 (b) 11.9
(c) 17.4 (d) 23.4

59. The number of people (in lakhs) who read only one newspaper is:

(a) 4.7 (b) 11.9
(c) 17.4 (d) 23.4

60. Sonali invests 15% of her monthly salary in insurance policies. She spends 55% of her monthly salary in shopping and on household expenses. She saves the remaining amount of Rs. 12,750. What is Sonali's monthly income?

(a) Rs. 42,500 (b) Rs. 38,800
(c) Rs. 40,000 (d) Rs. 35,500

61. How many kgs of tea worth Rs. 25 per kg must be blended with 30 kgs of tea worth Rs. 30 per kg so that by selling the blended variety at Rs. 30 per kg there should be a gain of 10%?

(a) 36 kgs (b) 40 kgs
(c) 32 kgs (d) 42 kgs

62. In an examination, out of 80 students 85% of the girls and 70% of the boys passed. How many boys appeared in the examination if total pass percentage was 75%?

(a) 370 (b) 340
(c) 320 (d) 360

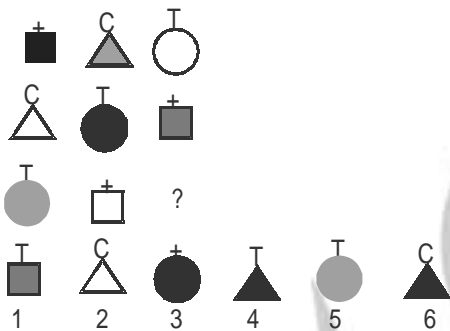
63. 300 gms of salt solution has 40% salt in it. How much salt should be added to make it 50% in the solution?
 (a) 40 gms (b) 60 gms
 (c) 70 gms (d) 80 gms

64. What number should replace the question mark in the image below?

6	12	?
48	96	192

- (a) 18 (b) 20
 (c) 22 (d) 24

65. What image from bottom row should replace the question mark?



- (a) 4 (b) 6
 (c) 1 (d) None

66. A five-digit number divisible by 3 is to be formed using numerical 0, 1, 2, 3, 4 and 5 without repetition. The total number of ways this can be done is:

- (a) 122 (b) 210
 (c) 216 (d) 217

67. A contract is to be completed in 50 days and 105 men were set to work, each working 8 hours a day. After 25 days, $\frac{2}{5}$ th of the work is finished. How many additional men be employed so that the work may be completed on time, each man now working 9 hours a day?

- (a) 34 (b) 36
 (c) 35 (d) 37

68. A can build up a structure in 8 days and B can break it in 3 days. A has worked for 4 days and then B joined to work with A for another 2 days only. In how many days will A alone build up the remaining part of the structure?

- (a) 10 days (b) 9 days
 (c) 12 days (d) None of these

69. The first two terms of a geometric progression add up to 12. The sum of the third and the fourth terms is 48. If the terms of the geometric progression are alternately positive and negative, then the first term is

- (a) -2 (b) -4
 (c) -12 (d) 8

70. The mean of the numbers a, b, 8, 5, 10 is 6 and the variance is 6.80. Then which one of the following gives possible values of a and b?

- (a) a = 0, b = 7 (b) a = 5, b = 2
 (c) a = 3, b = 4 (d) a = 2, b = 4

71. An agent sells goods of value of Rs. 15,000. The commission which he receives at the ratio of 12 1/2% is

- (a) Rs. 1875 (b) Rs. 2125
 (c) Rs. 2000 (d) Rs. 2700

72. $\sqrt{110.25} \times \sqrt{0.01} + \sqrt{0.0025} - \sqrt{420.25}$ equals to:

- (a) 0.75 (b) 0.50
 (c) 0.64 (d) 0.73

Directions for Question Nos. 73-75

The table below shows the number of people who responded to a survey about their favourite style of music. Use this information to answer the following questions to the nearest whole percentage.

Age	15-20	21-30	31+
Classical	6	4	17
Pop	7	5	5
Rock	6	12	14
Jazz	1	4	11
Blues	2	3	15
Hip-Hop	9	3	4
Ambient	2	2	2
	33	33	68

73. What percentage of respondents under 31 indicated that Blues is their favourite style of music?

- (a) 7.1 (b) 7.6
 (c) 8.3 (d) 14.1

74. What percentage of respondents aged 21-30 indicated a favourite style other than Rock music?

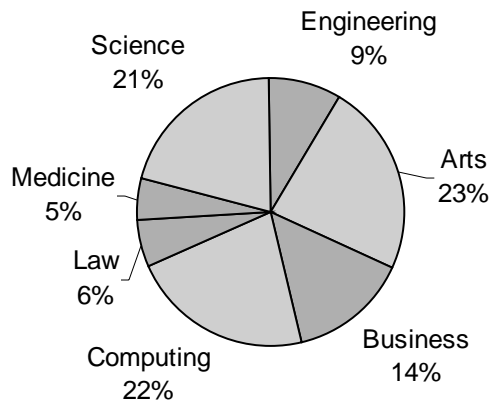
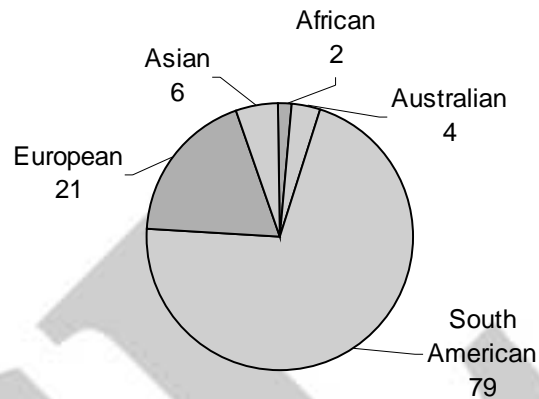
- (a) 64% (b) 60%
 (c) 75% (d) 36%

75. What percentage of the total sample indicated that Jazz is their favourite style of music?

- (a) 6% (b) 8%
 (c) 22% (d) 12%

Directions to Questions Nos. 76-80

The Pie charts below show the percentage of students in each faculty at North West University and the number of non-US students in the Arts faculty. These percentages have been rounded to the nearest whole number. There are a total of 1049 students in Arts faculty. Use this information to answer the following questions

**Students by Faculty****Arts Students (Non-US)**

76. What percentage of students in the Arts faculty are non-US students?
 (a) 14% (b) 9%
 (c) 30% (d) 11%
77. How many students are there in the Engineering faculty?
 (a) 420 (b) 410
 (c) 390 (d) 440
78. How many students are there at the University?
 (a) 4650 (b) 4560
 (c) 4640 (d) 4450
79. If six percent of Science students are Asian, how many Asian students are studying Science?
 (a) 48 (b) 66
 (c) 120 (d) 57
80. There are 34 European medical students. What percentage of the faculty does this represent?
 (a) 14% (b) 18%
 (c) 16% (d) 15%

SECTION III GENERAL AWARENESS

For all questions in this sections, correct answer carry 1 mark each.

81. Dendrochronology is
 (a) The method of scientific dating based on the analysis of tree-ring growth patterns.
 (b) A core sample from the accumulation of snow and ice over many years that have recrystallized and have trapped air bubbles, from previous.
 (c) is the study of glaciers, or more generally ice and natural phenomena that involve ice.
 (d) the scientific study of landforms and the processes that shape them.
82. Which company launched the first mobile phone operation in India?
 (a) Bharat Aritel (b) Essar
 (c) Max Touch (d) Modi Telstra
83. Which is the longest running English language TV cartoon in history, first launched by Warner Brothers in 1969 exclusively for television, and is now a popular fare on the Cartoon Network?
 (a) Scooby Doo (b) Tom and Jerry
 (c) Popeye (d) Johnny Bravo
84. The expansion of BIFR, in the context of the Indian Industry is:
 (a) Board of Industrial and Financial Reconstruction.
 (b) Bureau for Industrial and Financial Reconstruction.
 (c) Board of Investment and Financial Reconstruction.
 (d) Bureau for Investment and Financial Reconstruction.

85. What is Ekistics?
 (a) The water sports related study
 (b) The science of Body Mass
 (c) The art of card tricks
 (d) The science of human settlements.
86. What is Red Herring in an IPO?
 (a) Prospectus
 (b) Submission of Form
 (c) Funds Generated during IPO
 (d) Minimum Offer per Share
87. Eight O'clock Coffee, a US based coffee marketer, is a group company of
 (a) Tata (b) ITC
 (c) Britannia (d) Unilever
88. Bio-diesel is extracted from the following plant:
 (a) Hibiscus (b) Aloe Vera
 (c) Jatropha (d) Chamomile
89. Which woman tennis player won the maximum number of Grand Slam singles titles in the history of tennis?
 (a) Steffi Graf (b) Martina Navratilova
 (c) Billi Jean King (d) Margaret Court
90. What is the nickname of New York city?
 (a) Big Sweet Lime (b) Big Apple
 (c) Big Grape (d) None of the above
91. Which was the first Indian company to be listed on NASDAQ?
 (a) TCS (b) Wipro
 (c) Infosys (d) Cognizant
92. 'TAREGNA' a village in Bihar was in the news because of
 (a) Rahul Gandhi's election campaign
 (b) Viewing of the solar eclipse
 (c) A visit by Hillary Clinton
 (d) The Naxal massacre of tribals
93. The driver for Formula One's Force India Team is
 (a) Mark Webber (b) Adrian Sutil
 (c) Felipe Massa (d) Jensen Button
94. (MDRT) - Million Dollar Round Table consists of
 (a) World's richest industrialists
 (b) World's most powerful golfers
 (c) Global Association of Life Insurance professionals
 (d) World's richest sports persons
95. Who declares the "Credit Policy" of India?
 (a) The Finance Ministry
 (b) Reserve Bank of India
 (c) The commerce Ministry
 (d) The Indian Bank's Association (IBA)
96. Name of the body which regulates the Stock Exchange in India is
 (a) CBI (b) CID
 (c) SHCIL (d) SEBI
97. Rafflesia arnoldii is its botanical name and it holds a world record in the plant world. What's the record?
 (a) Tallest cacti
 (b) Largest bloom
 (c) Longest surviving tree
 (d) Smallest plant
98. Temujin was a famous historical character of the world, but we know him by a different name. Which one?
 (a) Babur (b) Genghis Khan
 (c) Kublai Khan (d) Emperor Nero
99. What is *Short Selling* in stock market lingo?
 (a) Selling the shares which you do not own.
 (b) Selling a share after owning it for a short period of time
 (c) Selling all the shares in your booty which are not productive.
 (d) Selling of shares which are quoted for a short period of time.
100. Mahatma Gandhi was nominated for Nobel Peace prize for the first time in the year 1937 and last time in the year 1948. How many times in between these two years was he nominated?
 (a) 1 (b) 3
 (c) 2 (d) 0
101. Which organization instituted the Nobel Prize in Economics?
 (a) Svenska Handelsbanken
 (b) International Monetary Fund
 (c) Economics Department of Oxford University
 (d) Sveriges Riksbank
102. Film stars have been endorsing Lux beauty soap since ages. Who was the first actress of Bollywood to do so?
 (a) Madhubala
 (b) Leela Naidu
 (c) Suraiya
 (d) Leela Chitnis

103. India's interstate cricket tournament is named after Kumar Shri Ranjitsinhji Vibhaji Jadeja or in short Ranji, the great cricket legend. He played his cricket in England and also played for English national team. Which country he used play for in the league cricket of England?
(a) Sussex (b) Essex
(c) Somerset (d) Surrey
104. As a practice, all major states' capitals have offices of Reserve Bank of India with only one exception. Which city of India has an office of RBI without being a state capital?
(a) Pune (b) Allahabad
(c) Baroda (d) Nagpur
105. This distinguished Indian was born on 28th December 1937 in Surat. He has completed the Advanced Management Program at Harvard Business School, USA. He turned down a job offer from IBM to join his family business and today he is one of the top business leaders of India. Name the tycoon.
(a) Ratan Tata (b) Anil Ambani
(c) Azim Premji (d) Anand Mahindra
106. It's known to be used in Egypt in 3000 BC, but its name had been derived from old French expression. It is made from the fermentation of ethanol in a process that yields its key ingredient, ethanoic acid. What is it?
(a) Tabasco Sauce (b) Phenol
(c) Vinegar (d) Soya sauce
107. The name of this Japanese company literally means "three diamonds". Which one?
(a) Sanyo (b) Mutsuhito
(c) Mitsubishi (d) Suzuki
108. Who were the first twins to play test cricket?
(a) Merv and Kim Hughes
(b) Ian and Greg Chappel
(c) Surinder and Mohinder Amarnath
(d) Steve and Mark Waugh
109. Which country has the largest rail network in the world?
(a) India (b) China
(c) U.S.A. (d) U.K.
110. Who won the 2009 French open tennis ladies title?
(a) Svetlana Kuznetsova
(b) Kristina Mladenovic
(c) Maria Sharapova
(d) Venus Williams
111. Who invented the microchip?
(a) Robert Noyce and Jack Kilby
(b) Larry Page and Sergey Brin
(c) Sabeer Bhatia
(d) Gordon Moore & Robert Noyce
112. Which is the largest landlocked country in the world?
(a) Switzerland (b) China
(c) Kazakhstan (d) Mongolia
113. Which country makes Panama hats?
(a) Ecuador (b) Panama
(c) Cuba (d) Bolivia
114. Who was the Prime Minister of India when the 42nd Amendment Bill bringing in the changes in the Constitution was passed?
(a) Rajiv Gandhi (b) V. P. Singh
(c) Indira Gandhi (d) Morarji Desai
115. Which one of the following planets lost its planet status recently?
(a) Moon (b) Neptune
(c) Pluto (d) Saturn
116. One barrel of oil is approximately equivalent to how many litres?
(a) 200 (b) 150
(c) 120 (d) 160
117. Five year plans in India are finally approved by the:
(a) Union Cabinet
(b) President on the advice of prime minister
(c) National Development Council
(d) Planning commission
118. Many a times we read in the newspapers about Southern Cone of South America which includes Argentina, Chile, Paraguay, Uruguay and Peru. Which is the most spoken language of this geographical area?
(a) Portuguese (b) Spanish
(c) French (d) English
119. Which one of the following is not a member of the organization of petroleum exporting countries (OPEC)?
(a) Algeria (b) Brazil
(c) Ecuador (d) Nigeria
120. Who invented 'computer laptop'?
(a) Arthur Wynna – USA
(b) Q. Daimler – Germany
(c) Sinclair – Britain
(d) None of the above

SECTION IV ANALYTICAL AND LOGICAL REASONING

For all the questions in this section, correct answer carries 2 marks each

121. There are 3 societies A, B, C having some tractors each.
A gives B and C as many tractors as they already have.
After some days B gives A and C as many tractors as they have.
After some days C gives A and B as many tractors as they have.
Finally each has 24 tractors. What is the original No. of tractors each had in the beginning?
- (a) A-29, B-21, C-12 (b) A-39, B-21, C-12
(c) A-21, B-12, C-29 (d) A-21, B-12, C-39

122. Although most of the fastest growing jobs in today's economy will require a college degree, many of the new jobs being created-from home health aide to desktop publisher-require knowledge other than that gained from earning a degree. For workers in those jobs, good basic skills in reading, communication, and mathematics play an important role in getting a job and developing a career.

From the information given above it can be validly concluded that, in today's economy,

- (a) skills in reading, communication, and mathematics play an important role in developing a career as a desktop publisher.
(b) the majority of the new jobs being created require knowledge other than that gained from earning a college degree.
(c) a job as a home health aide will rely more on communication skills than on basic skills in reading and mathematics.
(d) if a job is one of the fastest growing jobs, it will require a college degree.
123. According to the National Agricultural Aviation Society (NAAS), without the use of crop protection products to control insects, weeds, and diseases, crop yields per acre will drop by more than 50 percent. The first aerial application of insecticide occurred in 1921, and it was a huge success. By contrast, in today's economy all aircraft that are classified as aerial applicators do more than just apply insecticide; today, they also spread seed and apply fertilizer.

From the information given above it CANNOT be validly concluded that

- (a) according to the NAAS, if crop yields per acre never drop by more than 50 percent, then crop protection products have been used to control insects, weeds, and diseases
(b) in today's economy, any aircraft that cannot be used to apply fertilizer cannot be classified as an aerial applicator
(c) in today's economy, if an aerial applicator is used, then it will be able to spread seed and to apply fertilizer.
(d) according to the NAAS, if crop yields per acre drop by more than 50 percent, then crop protection products have not been used to control insects, weeds, and diseases.

124. Lou observes that if flight 409 is cancelled, then the manager could not possibly arrive in time for the meeting. But the flight was not cancelled. Therefore, Lou concludes, the manager will certainly be on time. Evelyn replies that even if Lou's premises are true, his argument is fallacious. And therefore, she adds the manager will not arrive on time after all.

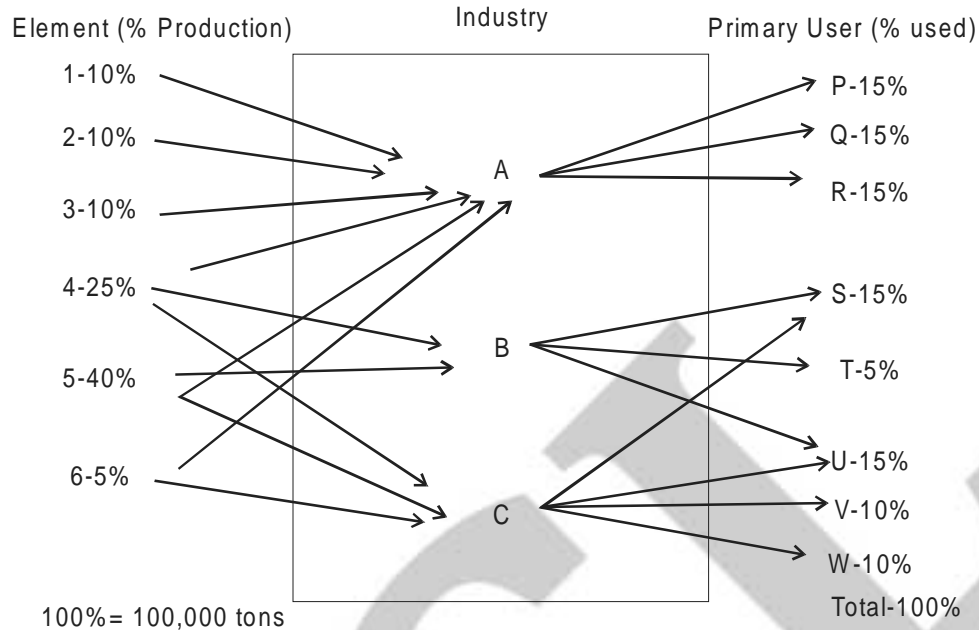
Which of the following is the strongest thing that we can properly say about this discussion?

- (a) Evelyn is mistaken in thinking Lou's argument to be fallacious, and so her own conclusion is unwarranted.
(b) Evelyn is right about Lou's argument, but nevertheless her own conclusion is unwarranted.
(c) Since Evelyn is right about Lou's argument, her own conclusion is well supported.
(d) Since Evelyn is mistaken about Lou's argument, her own conclusion must be false.
125. Cars are safer than planes. Fifty percent of plane accidents result in death, while only one percent of car accidents result in death.

Which of the following, if true, would most seriously weaken the argument above?

- (a) Planes are inspected more often than cars.
(b) The number of car accidents is several hundred thousand times higher than the number of plane accidents.
(c) Pilots never fly under the influence of alcohol, while car drivers often do.
(d) Plane accidents are usually the fault of air traffic controllers, not pilots.

Directions for question Nos. 126-128. Refer to the chart below showing annual production and answer the questions that follow.



126. Which industry/industries contribute/contributes to company S?
 (a) Industry A and B only (b) B and C only
 (c) A and C only (d) B only
127. Industry B processes what percentage of the total production of listed elements?
 (a) 25% (b) 65% (c) 40% (d) Cannot be determined
128. Of the listed elements processed by the Industry A, how many tons are produced annually?
 (a) 30,000 (b) 50,000 (c) 1,00,000 (d) 55,000

Directions for question 129-132

In each of the following questions there are two blanks marked I and II. The words to fill in these blanks are given against I as (A, B, C, D) and II as (P, Q, R, S) respectively. The right words to fill in these blanks are given as four alternatives. The words on either side of the sign (::) have a similar relationship. That alternative which signifies this relationship is your answer.

129. I : Increase :: Descent : II
 I – A) Grow B) Ascend C) Rise D) Price
 II – P) Reduce Q) Down R) Decrease S) Mountain
 (a) AR (b) RB (c) CP (d) DQ
130. Modern : I :: II : Old
 I – A) Ancient B) Death C) Famous D) Civilization
 II – P) Industrialisation Q) Young R) Fashion S) Western
 (a) AQ (b) AS (c) BP (d) CR
131. Part : I :: Class : II
 I – A) Section B) Whole C) School D) Students
 II – P) Student Q) School R) Teachers S) Rooms
 (a) AR (b) BQ (c) CP (d) DS
132. Summit : Apex :: I : II
 I – A) beautiful B) Picture C) Attractive D) Enchanting
 II – P) Comfortable Q) Pretty R) Healthy S) Brave
 (a) AQ (b) BP (c) DS (d) CR

133. If in a certain code, BEAUTIFUL is coded as 573041208, BUTTER as 504479, how is FUTURE coded in that code?
 (a) 201497 (b) 204097
 (c) 704092 (d) 204079
134. How many Mondays are there in a particular month of a particular year if the month ends on Wednesday?
 (a) 4 (b) 5
 (c) 3 (d) Cannot be specified.

Directions for question Nos. 135-136

There are two rows of numbers in each question. The upper row is complete and in the lower row one number is missing. Find a suitable number to fill the blank space so that the symmetry with the upper row is maintained.

135.

17	102	12
15	?	10

 (a) 211 (b) 75
 (c) 125 (d) 117
136.

12	336	14
15	?	16

 (a) 220 (b) 480
 (c) 125 (d) 450

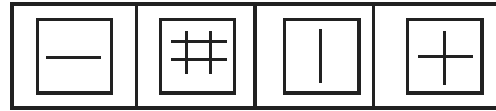
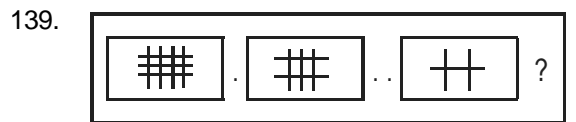
Directions for question Nos. 137-138

Seven people A, B, C, D, E, F, G are planning to enjoy boating. There are only two boats, and the following conditions are to be kept in mind.

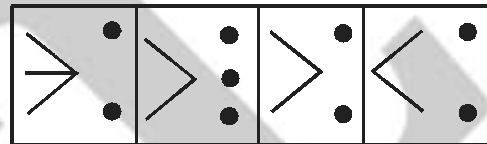
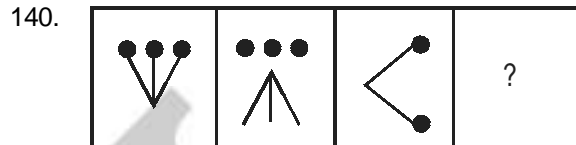
- (I) A will go in the same boat in which E is to go.
 (II) F cannot go in the boat in which C is, unless D is also accompanying
 (III) Neither B nor C can be given boat in which G is.
 (IV) The maximum number of persons in one boat can be four only.
137. If F and B are in one boat, which of the following statements is true?
 (a) G is in the other boat
 (b) D is in the other boat
 (c) C is in the other boat
 (d) E is with F and B in one boat
138. If E gets the boat with F, which of the following is the complete and accurate list of the people who must be sitting in other boat?
 (a) F and E (b) G and A
 (c) D and A (d) C, D and B

Directions for question Nos. 139-140

A series of figures has been shown on the left. Find the figure in the place of ? from the figures on the right.



(a) (b) (c) (d)



(a) (b) (c) (d)

141. Complete the following series.
 (GMSY, IOVA, KQWC, ?)
 (a) MSYE (b) NSYE
 (c) MYTE (d) MSYF

Directions for question Nos. 142-145

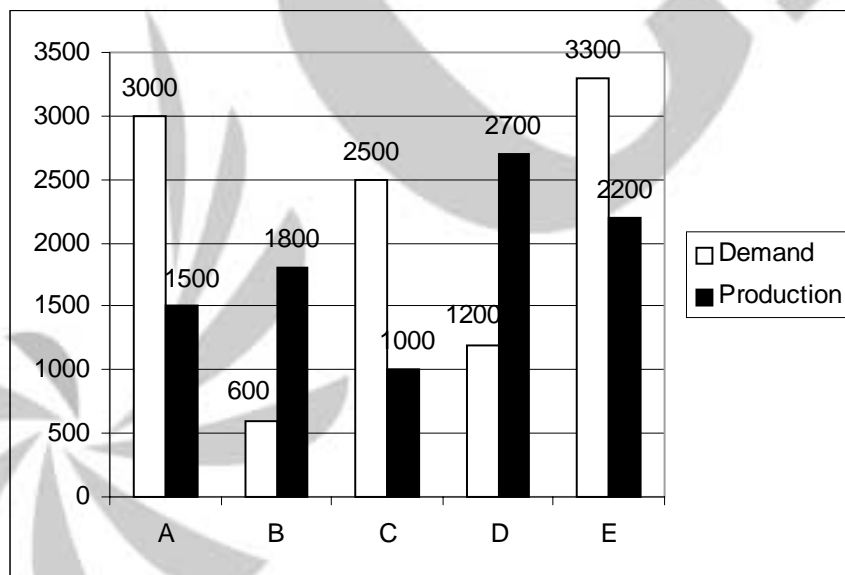
Following is a new plan called 'Airtel One', introduced by Airtel (GSM service Provider) for its post-paid customers.

Pulse Rate	60 secs		
Price of Plan	Rs. 99		
Free Airtime on Plan	Nil		
Incoming Calls (Rs)	Free		
Outgoing Calls (Rs.miture)	Airtel	GSM/CDMA	Landline
		(10 Digit)	/WLL
LOCAL RATES	Rs. 1	Rs. 1	Rs. 2
STD RATES			
50-200 KM	Rs. 1.50	Rs. 1.50	Rs. 2
200-500 KM	Rs. 1.50	Rs. 2.50	Rs. 2.50
500+ KM	Rs. 1.50	Rs. 3.00	Rs. 3.50
ISD			
USA, Canada, Europe (Fixed Line)	Rs. 7		
Gulf, Europe (Mobile)	Rs. 10		
SAARC			
Rest of the world	Rs. 40		
SMS			
Local	Rs. 1.50		
National	Rs. 2.00		
International	Rs. 5.00		
Value Added service (Rs)	Rs. 3.00 and Rs. 6.00 Depending on the service		
Monthly bill = Call Charges + SMS Charges			

142. If Mohan made STD calls (within 100 Kms) for 30 min and spent 100 min on local calls with 30% on landline, 40% on GSM and 30% on Airtel, and Rohan spend 18 min on STD within 150 Kms and spent 120 min on local calls with 30%, 40% and 30% on GSM, landline and Airtel respectively, then who spent more?
 (a) Mohan
 (b) Rohan
 (c) Both spent the same amount.
 (d) Cannot be determined.
143. A new SMS scheme was introduced @60p.local SMS, with an additional monthly charge of Rs. 35. Who will not benefit from the scheme? A person sending
 (a) 38 local SMS a month
 (b) 40 local SMS a month
 (c) 60 local SMS a month
 (d) 59 local SMS a month
144. A bill of Rs. 199/Month is definitely not possible when you make only
 (a) 30 calls to airtel STD (500 + Kms) and 55 local calls in a month
 (b) 16 calls to airtel on STD (150 Kms) and 76 local calls in a month
 (c) 10 STD calls (250 Kms) each to Airtel, GSM and landline respectively and 30 local calls in a month.
 (d) 8, 4 and 7 calls to Airtel, GSM and landline respectively on STD (500 + Kms) and 55 local calls in a month.
145. A person makes 12 minutes of ISD calls in a month. If 80% of his ISD bill came from calling the rest of the world, then the ISD calls for the minimum duration were made to which of the following group of countries?
 (a) USA, Canada, Europe (Fixed Line)
 (b) Gulf, Europe (Mobile), SAARC
 (c) Rest of the world
 (d) Cannot be determined.

Directions for questions 146-147

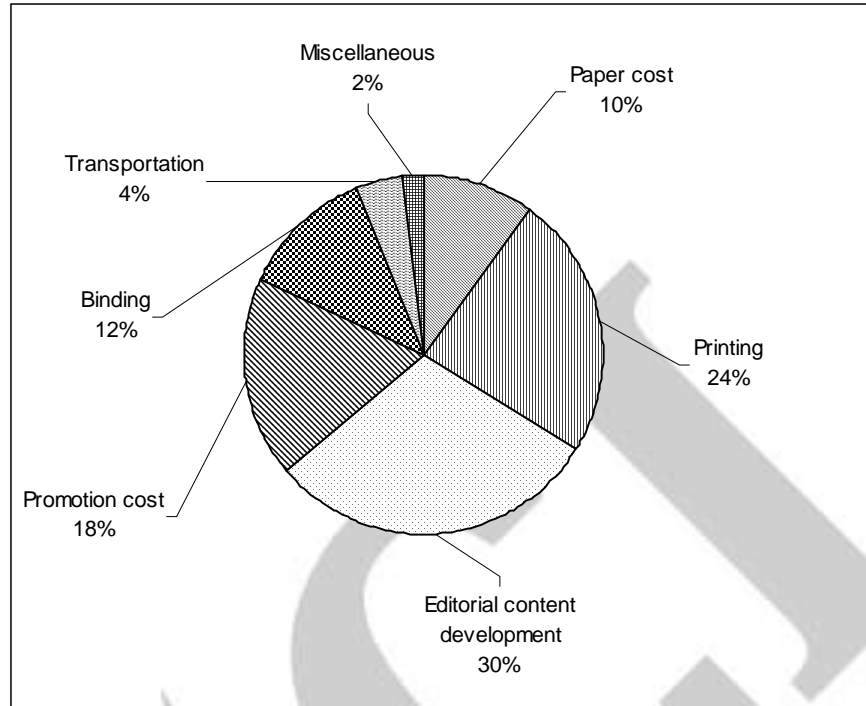
These questions are based on the graph which shows the demand and production statistics of 5 T.V. companies.



146. What is the difference between the average demand and the average production of the five companies taken together?
 (a) 1400 (b) 400 (c) 280 (d) 138
147. The production of the Company D is how many times of the production of the company A?
 (a) 1.8 (b) 1.5 (c) 2.5 (d) 1.11

Directions for question Nos. 148-149

The following questions are based on the pie-chart given below which gives the expenditure incurred in printing a magazine:



148. What is the angle for the sector representing paper cost?
 (a) 10 degrees (b) 36 degrees (c) 23.5 degrees (d) 45 degrees
149. For a given issue of the magazine, the 2% of the cost is Rs. 2,000 and the print-run is 12,500 copies. What should be the sale price if the publisher desires a profit of 5 percent?
 (a) Rs. 5 (b) Rs. 7.5 (c) Rs. 8 (d) Rs. 8.40
150. If 'water' is called 'food', 'food' is called 'tree', 'tree' is called 'sky', 'sky' is called 'wall', on which of the following does a 'fruit' grow?
 (a) Water (b) Food (c) Tree (d) Sky