

SNAP-2009
EXPLANATORY
ANSWERS

EXPLANATORY ANSWERS**QUANTITATIVE & DATA INTERPRETATION & DATA SUFFICIENCY**

1. Given the dice is rolled 3 times and sum of number appearing on dice = 15
Following are the possibilities

663
636
366
654
645
456
465
564
546
555

out of 10 cases, in 2 cases '4' appear on first die.

$$\therefore \text{Required probability} = \frac{2}{10} = \frac{1}{5}$$

Hence, [b].

2. Let speed of boat be 'b' and speed of steam be 's' when boat is going down stream, relative speed = b + s.
When boat is going upstream, relative speed = b - s

By given condition,

$$\frac{30}{b+s} = 2$$

$$\therefore b + s = 15$$

$$\frac{30}{b-s} = 6$$

$$b - s = 5$$

$$\therefore b = 10 \text{ and } s = 5$$

None of the given options match with above answer.

3. Five digit number is divisible by 4 if last digits are 12/24/32 or 52 (total 4)
Remaining three digits can be filled in $3! = 6$ ways.

$$\therefore \text{Number of numbers divisible by 4} = 6 \times 4 = 24$$

Using five digits, total and numbers that can be formed are $5! = 120$

$$\therefore \text{Required probability} = \frac{24}{120} = \frac{1}{5}$$

Hence, [a].

4. Given, mean = 23
Number of observations = 20
Sum of deviations = 70

$$\therefore \text{Mean of these deviations} = 23 + \frac{70}{20} = 26.5$$

Hence, [d].

5. Given the weight of alloy is 50 gms.
 It contains 80% of gold i.e., 40 gms of gold. Remaining 10 gm is silver. If gold is 90%, silver is 10% or 10% corresponds to 10 gm.
 \therefore 90% gold correspond to 90 gm.
 \therefore For increasing percentage of gold to 90%
 50 gms of gold need to be added.
 Hence, [a].
6. Given income of two persons in ratio 7 : 3
 Let income of first one be 7x
 Income of second one is 3x
 By given condition

$$\frac{7x-300}{3x-300} = \frac{5}{2}$$

$$14x - 600 = 15x - 1500$$

$$x = 900$$

$$\therefore \text{Income of first one} = 7 \times 900$$

$$= 6300$$
 Hence, [c].
7. Initial price = 24
 Final price = 27
 Percent increase in price = $\frac{27-24}{24} \times 100 = \frac{1}{8} \times 100\%$
 Price increases by $\frac{1}{8}$, so consumption become $\frac{8}{9}$ i.e., consumption reduces by $\frac{1}{9}$
 \therefore Percent decrease in consumption = $\frac{1}{9} \times 100$
 $= 11.11\%$
 Hence, [d].
8. Given, there are 10 stations on a railway line
 \therefore Total number of routes can be given as ${}^{10}C_2$
 For every route there can be single ticket on way as return ticket.
 \therefore Number of tickets = $2 \times {}^{10}C_2 = 90$
 Hence, [b].
9. Given circumference increases by 5%
 Here, radius also increases by 5%
 Since $c \propto r$
 $c \rightarrow$ circumference
 $r \rightarrow$ radius
 Initial radius = 1.05 r
 Final area = $\pi \cdot r^2$
 $= 1.1025 \times \pi r^2$
 Thus area increases by 10.25%
 Hence, [b].

SNAP

10. Given word ABACUS
 AAU are vowels (Total 3)
 BCS are consonants. (Total 3)

Arrangement such that vowels are together is given by $\frac{4! \times 3!}{2!}$

(∴ Vowels are considered as 1 unit, so total units = 4, so 4! ways vowels can be arranged themselves in 3! ways repetition of A, hence divided by 2!.)
 Hence, [d].

11. Given that Rs.6000 amounts to Rs.8000 in 4 years.
 ∴ Interest = Rs.2000

$$I = \frac{PNR}{100}$$

I = interest

P = principal

N = number of years

R = rate of interest

$$2000 = \frac{6000 \times 4 \times R}{100}$$

$$\frac{200}{24} = R$$

$$R = \frac{25}{3} \%$$

Now Rs.525 amounts to Rs.700

Interest = Rs.175

$$175 = \frac{525 \times N \times 25}{100 \times 3}$$

N = 4 years

Hence, [c].



Answers to questions 12 to 14:

Given, at the beginning of the game

$$J + B = 4T$$

$$T + B = 3J$$

$$3J - B = T$$

$$J + B = 4T$$

$$\text{Adding } 4J = 5T$$

$$J_1 = \frac{5}{4} T_1$$

Now,

$$\frac{5}{4} T + B = 4T$$

$$B = 4T - \frac{5}{4} T$$

$$B_1 = \frac{11}{4} T_1$$

Again given, at the end of the game

$$J + B = 3T$$

$$3T - B = J$$

$$T + B = 2J$$

$$4T = 3J$$

$$J_2 = \frac{4}{3} T_2$$

$$B = 3T - \frac{4}{3} T$$

$$B_2 = \frac{5}{3} T_2$$

Again from given condition

$$B_1 - B_2 = 200$$

$$\frac{11}{4} T_1 - \frac{5}{3} T_2 = 200$$

$$33T_1 - 20T_2 = 2400 \quad \dots (1)$$

Now, since this is the game of cards, total money lost = total money won.

$$J_1 + B_1 + T_1 = J_2 + B_2 + T_2$$

$$\frac{5}{4} T_1 + \frac{11}{4} T_1 + T_1 = \frac{4}{3} T_2 + \frac{5}{3} T_2 + T_2$$

$$5T_1 = 4T_2$$

$$\therefore 25T_1 = 20T_2 \quad \text{substituting in (1)}$$

$$\therefore 33T_1 - 25T_1 = 2400$$

$$T_1 = 300$$

$$J_1 = \frac{5}{4} \times 300 = 375$$

$$B_1 = \frac{11}{4} \times 300 = 825$$

12. \therefore Fraction of amount T had in beginning

$$= \frac{300}{300+375+825} = \frac{1}{5}$$

Hence, [d].

13. $J_1 = 375$

$$T_2 = \frac{5}{4} \times 300 = 375$$

$$J_2 = \frac{4}{3} \times 375$$

$$J_2 = 500$$

$$\text{Amount won} = 125$$

SNAP

Total amount = 1500

$$\therefore \text{Required fraction} = \frac{125}{1500} = \frac{1}{12}$$

Hence, [a].

14. $B_1 = \frac{11}{4} \times T_1 = \frac{11}{4} \times 300$

= Rs.825

Hence, [c].

15. Evaluate the statements

I. Since a and b both are negative, a – b can be positive or negative depending on whether a > b or a < b. Since a is positive and c is negative, a – c is negative.

So statement (I) may or may not be correct.

II. If a < b and c > 0, $\frac{a}{c} < \frac{b}{c}$. This statement is correct.

III. Since both a and b are negative, $\frac{a}{b} > 0$. Since a is negative and c is positive, $\frac{a}{c} < 0$. Hence statement (III) is incorrect. Hence, [b].

16. Diagonal of square = $4\sqrt{2}$ cm

$$\therefore \text{Side of square} = 4 \text{ cm}$$

$$\text{Area} = 4 \times 4 = 16 \text{ sq. m}$$

$$\text{Area of another square} = 2 \times 16$$

$$= 32 \text{ sq. cm}$$

$$\therefore \text{Side} = \sqrt{32} = 4\sqrt{2}$$

$$\therefore \text{Diagonal} = 4\sqrt{2} \times \sqrt{2}$$

$$= 8 \text{ cm}$$

Hence, [a].

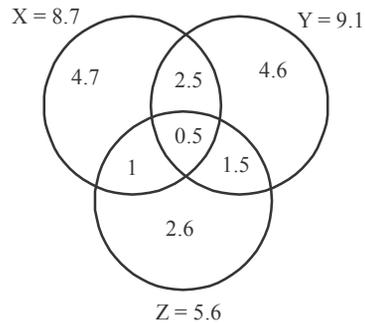
17. Given dimensions of rectangular box area 8 cm × 6 cm × 2 cm

Maximum length of pencil that can be kept in box is same as diagonal of box.

$$\therefore \text{Length} = \sqrt{8^2 + 6^2 + 2^2} = \sqrt{104} = 2\sqrt{26} \text{ cm}$$

Hence, [c].

18. Given

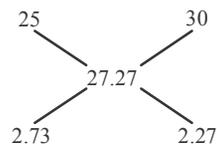


People who read atleast one newspaper
 $= 4.7 + 2.5 + 0.5 + 1 + 1.5 + 2.6 + 4.6$
 $= 17.4$
 Hence, [c].

19. People who read only one newspaper
 $= 4.7 + 4.6 + 2.6$
 $= 11.9$
 Hence, [b].

20. Sonali spends total 70% of her salary 30% of salary remains.
 Given that 30% of salary equals Rs.12,750
 \therefore Total monthly income = Rs.42,500
 Hence, [a].

21. From given problem



Since 30 is the selling price with 10% gain cost price = 27.27 Rs. given quantity of 30 kg variety = 30 kg

$$\frac{2.73}{2.27} = \frac{x}{30}$$

$x = 36$ kg.

\therefore Quantity of Rs.25 per kg variety = 36 kg

Hence, [a].

22. This question is ambiguous.

23. Given 300 gm of salt solution contains 40% salt

\therefore 120 gm of salt is present to make 50% of salt in solution. 60 gm of salt needs to be added.

Hence, [b].

SNAP

24. Given,
 $48 - 48 \times 2 - 48 \times 4$
 $\therefore 6 - 6 \times 2 - 6 \times 4 = 24$
 Hence, [d].
25. It can be observed visually that triangle is missing in the series, as also C is missing,
 Hence number 6 is the answer.
 Hence, [b].
26. A number divisible by 3 is to be formed digits 0, 1, 2, 3, 4, 5
 A number is divisible by 3 if sum of digits is divisible by 3
 So this is possible in two cases
 Case I:
 Digits used are 1, 2, 3, 4, 5: Sum = 15
 Numer of numbers formed = $5! = 120$
 Case II:
 Digits used are 0, 1, 2, 4, 5
 Sum = 12
 Number of numbers formed = $4 \times 4 \times 3 \times 2 \times 1$
 $= 96$
 Since 0 cannot be used at extreme left position
 \therefore Total number of ways = $120 + 96$
 $= 216$
 Hence, [c].
27. $\frac{M_1 D_1}{W_1} = \frac{M_2 D_2}{W_2}$
 M – Men
 D – Days
 W – Work done
 From given data $\frac{105 \times 25 \times 8}{\frac{2}{5}} = \frac{(105 + x) \times 25 \times 9}{\frac{3}{5}}$
 $\therefore x = 35$ men
 Hence, [c].
28. Suppose total work = 24 units
 \therefore A builds 3 units per day
 \therefore B builds -8 units per day (destruction)
 In first two days, total work done by A and B = $2(3 - 8) = -6$ units. Effectively after B leaves, A will have to start from scratch.
 So A will take 8 more days to build the structure.
 Hence, [d].
29. Let the first term be 'a' and common ratio be 'r' given that $a + ar = 12$
 and $ar^2 + ar^3 = 48$
 $a(1 + r) = 12$
 $ar^2(1 + r) = 48$

$$\frac{1}{r^2} = \frac{1}{4}$$

$$r = \pm 2$$

Take $r = 2$, $a = 4$

and put $r = -2$, $a = -12$

Since alternate terms are negative, $r = -2$ and $a = -12$.

Hence, [c].

30. Given mean of
 $a, b, 8, 5, 10 = 6$
 \therefore Sum of $a, b, 8, 5, 10$
 i.e., $a + b + 8 + 5 + 10 = 30$
 $\therefore a + b = 7$
 Given variance of 5 numbers = 6.8

$$\therefore \frac{x_1^2 + x_2^2 + (-2)^2 + (1)^2 + 4^2}{5} = 6.8$$

x_1 and x_2 are differences between number and mean (6)

$$\therefore x_1^2 + x_2^2 = 13$$

Checking from options

$$(6 - 3)^2 + (6 - 2)^2 = 9 + 4 = 13$$

Hence, [c].

31. Given that the agent sells goods of value Rs.15000 at the commission of 12.5%
 \therefore Commission received = 0.125×15000
 = Rs.1875
 Hence, [a].

32. $\sqrt{110.25} \times \sqrt{0.01} \div \sqrt{0.00025} = \sqrt{420.25}$
 $\approx \frac{10.5 \times 0.01}{0.016} = 20.5$
 ≈ 46
 None of the options match answer.

33. Percentage of respondents under 31 who indicate Blues as their favourite style = $\frac{5}{66} \times 100 = 7.57 \approx 7.6\%$
 Hence, [b].

34. Percentage of respondents aged 21-30 indicated style other than Rock music = $\frac{21}{33} \times 100 = 63.63 \approx 64\%$
 Hence, [a].

35. Percentage of total sample that indicated that Jazz is favourite style of music
 = $\frac{16}{134} \times 100 \approx 12\%$. Hence, [d].

SNAP

36. Percentage of students in arts faculty that are non us students = $\frac{112}{1049} \times 100 \approx 11\%$

Hence, [d].

37. Number of students in engineering faculty

$$= \frac{1049}{23} \times 9 = 410$$

Hence, [b].

38. Number of students in university = $\frac{1049}{23} \times 100$

$$= 4560$$

Hence, [b].

39. Number of Asian students studying science

$$= \frac{1049}{23} \times 21 \times \frac{6}{100}$$

$$\approx 57$$

Hence, [b].

40. Number of medical students = $\frac{1049}{23} \times 5$

$$\therefore \text{Required percentage} = \frac{34}{\frac{1049}{23} \times 5} \times 100 = 15\%$$

Hence, [d].

ANALYTICAL & LOGICAL REASONING

41. Given that finally all of them had 24 tractor

A	B	C	
24	24	24	
12	12	48	→ (by third condition)
6	42	24	→ (by second condition)
39	21	12	→ (by third condition)

Hence, [b].

42. Only [a] can be validly concluded from the passage as it tells us which skills are required for developing a career as a desktop publisher. The passage speaks about ‘many’ of the new jobs being created and not about ‘the majority’ of the new jobs being created, so [b] is eliminated. [c] can also be eliminated as the passage does not specify which skills are more important to get a job as a home health aide. Similarly, [d] can be ruled out as the passage only states that ‘most’ of the fastest growing jobs will require a college degree and not all. Hence, [a].

43. Statement [d] cannot be validly concluded from the passage. The passage states that if crop protection products are not used, then crop yields per acre will drop by more than 50 per cent. But, it cannot be inferred from the passage that this is the only reason for a drop in crop yield per acre. The drop can occur despite using protection products. Hence, [d].

44. There can be reasons other than flight cancellation because of which the manager may not be able to arrive on time. So, Lou's argument is fallacious. However, this doesn't mean that the manager will definitely be late. So, Evelyn's conclusion is also unwarranted. Hence, [b].
45. Only option [b], which talks about absolute numbers, most seriously weakens the argument that cars are safer than planes. If [b] is true, the deaths resulting from car accidents would be more than those resulting from plane accidents. Hence, [b].
46. From figure,
Industries B and C contribute to company C.
Hence, [b].
47. This data is not available from given figure.
Hence, [d].
48. 100% of listed elements are processed by industry A which corresponds to 100000 tons. Hence, [c].
49. From the given options, a similar relationship between the word pairs on either side of the sign (::) can be formed only by using 'ascend' in the first blank and 'decrease' in the second blank. When one ascends, the height they are at increases and when one descends the height they are at decreases. Hence, [b].
50. From the given options, a similar relationship between the word pairs on either side of the sign (::) can be formed only by using 'ancient' in the first blank and 'young' in the second blank. The words in each pair display an antonymous relationship. Hence, [a].
51. From the given options, a similar relationship between the word pairs on either side of the sign (::) can be formed only by using 'whole' in the first blank and 'school' in the second blank. The words in each pair display a part-whole relationship. Hence, [b].
52. 'Summit' and 'Apex' are synonyms, so the words in the blanks should also be synonyms. In the given options only 'beautiful' and 'pretty' are synonyms. Hence, [a].
53. Given,
beautiful = 573041208
butter = 504479
∴ future = 204097 matching letter by letter
Hence, [b].
54. Given that the month ends on wednesday but number of days in that month has not been mentioned. So number of mondays cannot be specified. Hence, [d].
55. $17 \times \frac{12}{2} = 102$
 $15 \times \frac{10}{2} = 75$
Hence, [b].
56. $12 \times (14 \times 2) = 336$
 $15 \times (16 \times 2) = 480$
Hence, [b].
57. Given F and B are in some boat from given condition G cannot be in some boat as B. Hence, [1].

SNAP

58. Given E, F are in some boat from given condition A has to be with E. Hence, C, D, B must be in of her boat. Hence, [d].
59. From figure, the structure is invested while the dots retain their place. Hence, [c].
60. From figure it can be seen that there number of horizontal and vertical lines are reducing by 1. Hence, [c].
61. GMSY, IOVA, KQWC, ?
 $G + 2 = I$
 $I + 2 = K$
 $K + 2 = M$
 The corresponding elements move ahead by the letters
 Similarly,
 $M + 2 = O$
 $O + 2 = Q$
 $Q + 2 = S$
 $S + 2 = U$
 $U + 2 = W$
 $W + 2 = Y$
 $Y + 2 = A$
 $A + 2 = C$
 $C + 2 = E$
 MSYE is the new code
 Hence, [a].
62. For Mohan both STD and Local Calls are distributed as 30% handline
 40% GSM and
 30% Airtel
 \therefore Bill for STD calls = $9 \times 2 + 12 \times 1.5 + 9 \times 1.5$
 = 49.5
 Bill for local calls = $30 \times 2 + 40 \times 1 + 30 \times 1$
 = 130
 \therefore Total bill = $49.5 + 130 = \text{Rs.}179.5 + 99$ (rental)
 For Rohan, the distribution is as follows
 30% GSM
 40% Landline
 30% Airtel
 \therefore Bill for STD calls = $5.4 \times 1.5 + 7.2 \times 2 + 5.4 \times 1.5$
 = 30.6
 Bill for local calls = $36 \times 1 + 48 \times 2 + 36 \times 1$
 = 168
 \therefore Total bill = $30.6 + 168 = \text{Rs.}198.6 + 99$ (rental)
 Rohan spent more amount. Hence, [b].
63. From data given, change for local SMS = Rs.1.5
 \therefore For 38 local sms, charge = $38 \times 1.5 = \text{Rs.}57$
 In accordance to scheme
 Charge = $35 + 38 \times 0.6$
 = Rs.57.8

hence the person sending only 38 local sms a month is not benefitted.
Hence, [a].

64. From given options,

$$1) \text{ Bill} = 30 \times 1.5 + 55 \times 2 \\ = \text{Rs.}155 + 99 \text{ (rental)}$$

$$2) \text{ Bill} = 16 \times 1.5 + 76 \times 2 \\ = \text{Rs.}176 + 99 \text{ (rental)}$$

$$3) \text{ Bill} = 10 \times 1.5 + 10 \times 2.5 + 10 \times 2.5 + 30 \times 2 \\ = 125 + 99 \text{ (rental)}$$

$$4) \text{ Bill} = 8 \times 1.5 + 4 \times 3 + 7 \times 3.5 + 55 \times 2 \\ = 146.5 + 99 \text{ (rental)}$$

A bill exceeding Rs.199 is possible in all four cases, no option matches.

65. Total bill procured has not been given hence the required duration cannot be determined. Hence, [d].

66. Difference between average demand and average production

$$= \frac{1}{5} [(3000 + 600 + 2500 + 2700 + 3300) - (1500 + 1800 + 1000 + 2700 + 2200)]$$

$$= 280$$

Hence, [c].

$$67. \frac{\text{Production of D}}{\text{Production of B}} = \frac{27}{15} = 1.8$$

Hence, [a].

68. Paper cost is 10% of total cost

$$\frac{10}{100} = \frac{x}{360}$$

$$x = 36$$

Hence, [b].

69. Given, 2% of cost is Rs.2000

∴ 100% of cost is Rs.100000

Total number of copies = 12500

$$\therefore \text{Cost price of one copy} = \frac{100000}{12500} = \text{Rs.}8$$

Profit percent = 5

∴ Selling price = Rs.8.40

Hence, [d].

70. As per the given codes 'tree' is called 'sky', so a 'fruit' will grow on the 'sky'. Hence, [d].

GENERALENGLISH

71. 'My' is a possessive pronoun and needs to be followed by a noun, so option [a] is eliminated. Among the pronouns – I, me and mine – only 'mine', which shows possession, fits in the blank grammatically and contextually. Hence, [d].

SNAP

72. Only 'till', which means 'up to the time of' or 'until', fits in the blank grammatically and contextually. Technically, even 'before' can fit but it doesn't make as much logical sense as 'till' does. Hence, [d].
73. The sentence indicates that the current appearance is completely different from the past appearance, so 'has changed' is correct. The present perfect tense indicates that the change is complete. Hence, [c].
74. The correct spelling for the word in option [d] is 'dais'. 'Dias' is a proper noun, hence not considered. Hence, [d].
75. Only option [d] is spelt correctly. The correct spellings for the other options are – 'superintendent', 'sieve' and 'allotted'. Hence, [d].
76. The correct sentence is 'He lives in Bengaluru at 115, Richmond Road'. The correct preposition of location for cities, countries etc. is 'in' and for specific addresses is 'at'. Hence, [b].
77. Aurally challenged is a 'euphemism' for the 'deaf', i.e. a less offensive way of saying one is deaf. Hence, [b].
78. 'Error' means 'a mistake' and 'fault' means 'a defect or imperfection'. Hence, [b].
79. The sentence seems to be likening man to a beast as he has shown that he has no regard whatsoever for rules of ethical conduct. All the words given for the first blank fit in the sentence both grammatically and contextually, but only 'virtually', which means 'for the most part' or 'just about', fits in the second blank grammatically and contextually. Hence, [d].
80. The correct way of writing the sentence is – Part of Australia is known to the natives as "The Outback". Hence, [a].
81. The correct way of writing the sentence is – I know that you want to learn to drive, Rima, but you are too young. Hence, [c].
82. 'Veracious' means 'truthful'. Hence, [d].
83. 'Perturb' means 'to disturb or disquiet greatly in mind' or 'agitate'. Hence, [c].
84. 'With a high hand' means 'in an arrogant or dictatorial manner', so 'oppressive' which means 'tyrannical' is the closest word. Hence, [b].
85. 'Rack' means 'to strain in mental efforts'. Hence, [d].
86. The idiom 'get cold feet' means 'a loss or lack of courage or confidence'. Hence, [c].
87. The idiom 'to eat one's words' means 'to retract one's statement, especially with humility'. Hence, [b].
88. Sentences 1 and 4 convey the same idea. 1 is a rhetorical question, which implies that they should have checked the tickets, and 4 is an assertion. Hence, [c].
89. 'Magnimous' means 'generous' and 'benevolence' means 'desire to do good to others', so 'mean' which means 'stingy' is opposite to the meaning contained in the sentence. Hence, [a].
90. 'Biannual' means 'occurring twice a year'. Hence, [c].
91. 'Temporal', 'ephemeral' and 'transient' all mean 'short lived' or 'temporary', so 'eternal' which means 'lasting forever' is the odd one out. Hence, [d].
92. The prefix 'intra' stands for 'within'. Hence, [c].

93. As an adjective, 'down' implies 'of or relating to a train(s) from a more important place or one regarded as higher.' Thus, 'down' is used as an adjective in 8. As a preposition, 'down' implies 'in a descending direction'. Thus, 'down' is a preposition in 5. As a noun, 'down' means 'a downward movement or descent'. So, it is used as a noun in 6. When 'down' is used as a verb, it means 'to throw down or subdue'. So, 'down' is a verb in 7. Thus, the correct order is 1-8, 2-5, 3-6, 4-7. Hence, [a].
94. Only option [b] has the correct combination. Hence, [b].
95. The easiest match than can be made is 1-8. In 8 'above' describes the information. This narrows down the options to [a] and [c]. The only possible noun usage is in 5, though it makes sense only if 'above' is taken to mean 'heaven'. Both 6 and 7 use 'above' as a preposition. So, actually there is no perfect answer. As [a] contains three correct matches, it can be marked as the answer. Hence, [a].
96. The error is in part [b] of the sentence. 'Make up breakfast' would be appropriate. Hence, [b].
97. There is no error in the sentence. Hence, [d].
98. The underlined word is used correctly only in sentence [d]. The correct sentences for the remaining options are – [a] Whose car are you planning to borrow? [b] Who's planning to have a birthday party? [c] He is the person whom you met at the junction. Hence, [d].
99. Only sentence one is correct. The possessive pronoun should precede a gerund. Note: the object of 'imagine' is 'getting his own birthday' no 'him'. Others ways of framing this sentence could be 'Can you imagine if he forgot his own birthday?' or 'Can you imagine that he forgot his own birthday?'. Hence, [a].
100. Sentence 1 is clearly incorrect as it seems to suggest that the wedding took place in the newspaper. Since the directions for the question do not specify if errors of punctuation have to be considered for deciding whether the sentence is correct or not, we will consider sentence 2 to be correct. In case errors of punctuation were to be considered, the correct sentence would have required a comma after 'recently'. Hence, [b].
101. 'Unless' means 'except under the circumstances that', so only option [d] completes the sentence grammatically and contextually. Hence, [d].
102. The sentence can start only with 5 as it introduces the subject of the sentence. Only option [b] begins the sequence with 5. Hence, [b].
103. This is a conditional sentence as it starts with the 'if' clause. The correct form of writing such sentences is –If + past perfect + would/might/could have. So, only sentence [d] is correct. Hence, [d].
104. 'Likely', which suggests only a 'possibility' of being mistaken at some point of time, fits in the blank grammatically and contextually. Hence, [b].
105. This is a negative sentence, so a positive question tag should be used. Between [a] and [c], [a] is correct as it maintains the tense of the sentence. Hence, [a].
106. 'As proud as a peacock' is a simile. Although a metaphor is also used for comparison, it does not use the words 'like' or 'as'. Hence, [b].
107. The figure of speech used in this sentence is personification. This is a figure of speech in which an inanimate object or abstract idea is given human qualities or abilities. In the given sentence, 'death' is given the human attribute of possessing icy hands. Hence, [a].
108. According to the second paragraph of the passage, the frozen feelings being talked about refer to negative childhood experiences. Hence, [a].
109. 'Glitch' means 'a defect or a malfunction in a machine or plan'. Hence, [c].

110. The first line of the last paragraph states that the process of change need not be traumatic, so [a] is clearly incorrect. [b] which is taken from the third paragraph is correct. [Note: [b] is stated in the paragraph in a context. It is not always true, according to the author. But, as the question is unclear, [b] can be marked as the answer.] Hence, [b].

GENERAL AWARENESS

111. Dendrochronology is the method of scientific dating based on the analysis of tree-ring growth patterns. Hence, [a].
112. Modi Telstra was the first mobile phone service provider in India. Hence, [d].
113. *Scooby Doo* is the longest running English language TV cartoon in history. Hence, [a].
114. In the context of the Indian industry, BIFR stands for Board for Industrial and Financial Reconstruction. Hence, [a].
115. The term ekistics is associated with the science of human settlements. Hence, [d].
116. The preliminary prospectus issued at the time of an IPO is known as the *Red Herring Prospectus*. Hence, [a].
117. The Eight O'clock Coffee Company is a subsidiary of Tata Global Beverages. Hence, [a].
118. *Jatropha* is one of the sources of biodiesel. Hence, [c].
119. Margaret Court holds the record for winning the maximum number of Grand Slam women's singles titles (24) in the history of tennis. Hence, [d].
120. New York is commonly referred to as 'The Big Apple'. Hence, [b].
121. In 1999, Infosys became the first Indian company to be listed on the NASDAQ. Hence, [c].
122. Taregna was in the news as it was adjudged to be the best place to view the longest total solar eclipse of the century, which occurred on 22 July, 2009. Hence, [b].
123. The driver for Formula One's Force India Team is Adrian Sutil. Hence, [b].
124. MDRT (Million Dollar Round Table) is an international independent association of the world's leading life insurance and financial services professionals. Hence, [c].
125. The Reserve Bank of India declares the credit policy of India. Hence, [b].
126. SEBI (Securities and Exchange Board of India) is the regulatory body of stock exchanges in India. Hence, [d].
127. *Rafflesia arnoldii* is known for producing the largest individual flower on earth. Hence, [b].
128. Temujin is also known as Genghis Khan. Hence, [b].
129. In the stock market lingo, short selling refers to the selling of the stock that the seller does not own. Hence, [a].
130. Mahatma Gandhi was nominated for the Nobel Peace Prize in 1937, 1938, 1939, 1947 and 1948. Hence, [b].

131. In 1968, Sveriges Riksbank (Sweden's central bank) established the prize in economic sciences in memory of Alfred Nobel, founder of the Nobel Prize. Hence, [d].
132. Leela Chitnis was the first actress of Bollywood to endorse Lux. Hence, [d].
133. Kumar Shri Ranjitsinghji played for Sussex. Hence, [a].
134. One of Reserve Bank of India's regional offices is located in Nagpur. Hence, [d].
135. The given paragraph is about Ratan Tata. Hence, [a].
136. The given paragraph is about vinegar. Hence, [c].
137. The name Mitsubishi translates to three diamonds. Hence, [c].
138. In the given options, only Steve and Mark Waugh are twins. Hence, [d].
139. United States of America has the largest rail network in the world. Hence, [c].
140. Svetlana Kuznetsova won the 2009 French Open women's singles title. Hence, [a].
141. The microchip was invented by Robert Noyce and Jack Kilby. Hence, [a].
142. Kazakhstan is the largest landlocked country in the world. Hence, [c].
143. Panama hats are produced in Ecuador. Hence, [a].
144. Indira Gandhi was the Prime Minister of India when the Forty-second Amendment of the Constitution of India, officially known as The Constitution (Forty-second Amendment) Act, 1976, was passed. Hence, [c].
145. Pluto has now been classified as a dwarf planet. Hence, [c].
146. One barrel of oil is approximately equivalent to 158.9873 litres. Hence, [d].
147. National Development Council is the final authority on Five Year Plans. Hence, [c].
148. Most of the countries in the Southern Cone of South America speak Spanish. Hence, [b].
149. Brazil is not a member country of OPEC. Hence, [b].
150. Adam Osborne is widely known as the inventor of the computer laptop. Hence, [d].