Reasoning Ability

1. How many such pairs of letters are there in the word AEROBICS each of which has as many letters between them in the word (in both forward and backward directions) as they have been between them in the English alphabetical series?

(1) None (2) One (3) Two (4) Three (5) More than three

2. Which of the following groups of numbers should replace the blank spaces so that the group of numbers, given in **bold**, follow a logical pattern from the preceding and the following group of numbers?

8 _ 1   6 7 _   _ 5 3   2 _ 4

(1) 9, 2, 3, 4   (2) 2, 9, 4, 3   (3) 9, 2, 4, 3   (4) 3, 9, 2, 4   (5) 4, 9, 2, 3

3. Which of the following would fall in the same category of disasters as Earthquakes, Cyclones and Volcanic Eruptions?

(1) Global warming   (2) Floods   (3) Oil spill   (4) Accidents   (5) Nuclear explosions

4. What will come in the place of question mark (?) in the following series?

XWA   VTC   SPF   OKJ   ?

(1) JDN   (2) JEO   (3) LPN   (4) JDP   (5) IEO

5. If it is possible to make only one meaningful English word with the first, third, fourth and the seventh letters of the word 'EXHAUSTION', which would be the third letter of that word from the right? If more than one such word can be formed, give 'P' as the answer. If no such word can be formed, give 'Q' as your answer.

(1) P   (2) A   (3) H   (4) T   (5) Q

6. Which of the following figures represents the relation between 'Building', 'Men' and 'Tall'?

(1)

(2)

(3)

(4)

(5)

Directions (7-11) : Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and:

Give answer (1) if the data in Statement **I alone** are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (2) if the data in Statement **II alone** are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (3) if the data **either** in Statement I alone or in statement II alone are sufficient to answer the question.

Give answer (4) if the data given in both Statements I and II together are **not** sufficient to answer the question and

Give answer (5) if the data both Statements I and II **together** are necessary to answer the question.

7. In which month of the year did the construction of the building begin?

I. The construction engineer correctly remembers that the construction began before September but after May and the particular month did not have 31 days.

II. The builder correctly remembers that the construction began after February but before October and the fact that, that particular month did not have 31 days.

8. How many runs did Team X make?

I. The umpire of the match correctly mentions that had the batsman from team X scored two more runs, the team would have won the match by 28 runs.

II. The coach correctly mentions that the batsman from Team X missed his century by two runs.

9. Who among P, Q, R and S is the shortest?

I. S is not as tall as R but is taller than Q.

II. R is not the tallest.

10. What does 'ni' mean in the code language?

I. 'ni pa ca lo' means 'an honest bank employee' and 'sa lo ja pa' means 'employee of the bank'.

II. 'fi ni ca' means 'an honest officer' and 'to fi sa pa' means 'reputed officer of bank'.

11. Is Jay a sibling (brother or sister) of Rishi?

I. Jay's mother, Shalini is the only child of Rishi's grandfather.

II. Rishi's father has a daughter, Smita, of whom Jay is a brother.

Directions (12-14) : Study the following information carefully and answer the given questions:

In a seven storey building, having floors numbered one to seven, P, Q, R, S, T and V each live on a different floor. (The ground floor is numbered floor no. 1, the floor above it floor no. 2, and so on.) One of the floors in the building is vacant. P lives on the fifth floor. No floor below fifth floor is vacant; also no odd numbered floor is vacant. Only S lives between T and V. T does not live on an odd numbered floor. T does not live on a floor immediately above or immediately below R's floor. Q does not live on the bottom most floor.

12. Who lives on the topmost floor?

(1) Q   (2) S   (3) R   (4) V   (5) No one as it is vacant

13. On which of the following floors does R live?

(1) Seventh   (2) Sixth   (3) Third   (4) Second   (5) First

14. Which of the following floors is vacant?

(1) Seventh   (2) Sixth   (3) Third   (4) Second   (5) First

15. If in a certain code 'good speech by finance minister' is written as 'by 5 finance 4 good 3 minister 2 speech 1'. How will 'excited about holiday in Europe' be written in that code?

(1) about 1 excited 2 Europe 3 holiday 4 in 5

(2) in 5 holiday 4 Europe 3 excited 2 about 1

(3) about 5 Europe 4 excited 3 holiday 2 in 1

(4) Europe 5 excited 4 about 3 in 2 holiday 1

(5) Europe 1 excited 2 about 3 in 4 holiday 5

Directions (16-20) : Study the following information carefully and answer the given questions.

In a sports event, different games are scheduled to be held on seven days, starting on Monday and ending on Sunday. Two games are scheduled to be held on Saturday as well as on Sunday and one game on each of the remaining five days. The games to be held in these seven days are : Basketball, football, boxing, sprinting, swimming, shooting, weightlifting, wrestling and cycling but not necessarily in the same order.

Shooting is scheduled to be held on Thursday. Boxing and cycling are scheduled to be held on the same day. Wrestling is scheduled to be held three days before basketball, i.e. two sports are scheduled between wrestling and basketball. Wrestling is **not** scheduled to be held on Wednesday. Weightlifting is scheduled immediately after the day boxing is scheduled. Football is scheduled immediately after the day wrestling is scheduled . Swimming is **not** scheduled on Monday.

16. Which of the following games is scheduled to be held on Friday?

(1) Basketball   (2) Wrestling   (3) Swimming   (4) Weightlifting   (5) Sprinting

17. Which of the following games is scheduled to be held on Sunday?
(1) Football   (2) Wrestling   (3) Basketball   (4) Cycling   (5) Swimming

18. On which of t he following days is sprinting scheduled?
(1) Saturday   (2) Friday   (3) Wednesday   (4) Monday   (5) Cannot be determined

19. On which of t he following days is weightlifting scheduled?
(1) Monday   (2) Tuesday   (3) Wednesday   (4) Friday   (5) Sunday

20. Shooting is related to Basketball in the same way as Wrestling is related to –
(1) Sprinting   (2) Football   (3) Shooting   (4) Weightlifting   (5) Boxing

Directions (21-25): In each group of questions, below are four statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follow(s) from the statements disregarding commonly known facts.

Give answer (1) if only Conclusions I is follows:

Give answer (2) if only Conclusions II is follows:

Give answer (3) if either Conclusion I or Conclusion II is follows:

Give answer (4) if neither Conclusion I nor Conclusion II is follows:

Give answer (5) if both Conclusions I and II are follows:

(21-23) Statements :
Some paints are brushes.
All brushes are varnishes.
All colours are varnishes.
No varnish is a canvas.

21. Conclusions :
I. No canvas is a brush.
II. Some paints are varnishes.

22. Conclusions :
I. No paint is canvas.
II. No colour is canvas.

23. Conclusions :
I. All varnishes are colours.
II. No colour is canvas.

(24-25) Statements :
All rivers are winds.
All clouds are rivers.
All oceans are rivers.
All winds are breeze.

24. Conclusions :

I. Some oceans are not breeze.

II. No cloud is an ocean.

25. Conclusions :

I. All rivers are breeze.

II. Some winds are not clouds.

Directions (26-30) : In these questions, relationships between different elements is shown in the statements. These statements are followed by two conclusions.

Give answer (1) if only Conclusions I is true

Give answer (2) if only Conclusions II is true

Give answer (3) if either Conclusion I or II is true

Give answer (4) if neither Conclusion I nor II is true

Give answer (5) if both Conclusions I and II are true

26. Statement :

$P > R = S \geq T \leq V$

Conclusions:

    I. $T < R$

    II. $R = T$

27. Statement :

$R \geq S = T \leq U < V > Z$

Conclusions:

    I. $Z < T$

    II. $S > V$

28. Statement :

$Z \leq Y; X < Z; Y > L; L \geq Z$

Conclusions:

    I. $Y \geq L$

    II. $Y > X$

29. Statement :

$A < B < C; C = D \leq E$

Conclusions:

    I. $B > E$

    II. $D > A$

30. Statement :

$H < J; F < H; I \leq J = K$

Conclusions:

    I. $H > I$

    II. $I \geq F$

Directions (31-35) : In each of the following questions, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers are to be answered. The operation of numbers progress from left to right.

Rules :

(i)   If an odd number is followed by a composite odd number (a non prime number), they are to be multiplied.

(ii)   If an even number is followed by an odd number, which is not a perfect square, they are to be added.

(iii)   If an even number is followed by a number which is the perfect square, the even number is subtracted from the perfect square.

(iv)   If an odd number is followed by a prime odd number, the first number if to be divided by the second number.

(v)   If an odd number is followed by an even number, the second one is to be subtracted from the first one.

[After the operation on the first two numbers, the resultant is to be considered as the number for applying operation between the second number (the number obtained after performing operation between the first and second numbers given in the question) and the third number.]

For example :

Consider the following question :

38   64   7

49   38   a

If a is the resultant of the first row, what is the resultant of the second row?

(1) 363   (2) 44   (3) 22   (4) 3   (5) 31

Here, after performing operation between the first two numbers, i.e. 38 and 64, the resultant obtained is 26. Now 26 is to be considered for performing the operation between 26 and 7 (the number given in the question). The answer thus obtained here would be 33. Now 33 is to be considered as 'a' and operations are to be performed in the similar fashion between the numbers given in the second row. The answer obtained here after performing all the operations would be 363, thus (1) would be the correct answer.

31. 12   21   6

      5   y   88

If y is the resultant of the first row, what is the resultant of the second row?

(1) 125   (2) 25   (3) 47   (4) 27   (5) 43

32. 6   9   15

      x   12   11

If x is the resultant of the first row, what is the resultant of the second row?

(1) 33   (2) 45   (3) 11   (4) 15   (5) 3

33. 18   37   5

2   m   6

If m is the resultant of the first row, what is the resultant of the second row?

(1) 19   (2) 55   (3) 78   (4) 7   (5) 9

34. 16   64   7
        49   34   z

If z is the resultant of the first row, what is the resultant of the second row?

(1) 825   (2) 40   (3) 3.67   (4) 70   (5) 55

35. 27   12   3
         p   9   5

If p is the resultant of the first row, what is the resultant of the second row?

(1) 50   (2) 9   (3) 40   (4) 5   (5) 8

Quantitative Aptitude

Directions (36-40) : What should come in place of question mark (?) in the following questions ?

36. 16% of 450 x ? % of 880 = 3168

(1) 6   (2) 2   (3) 15   (4) 8   (5) None of these

37. 186 x ? ÷ 14 = 1302

(1) 98   (2) 92   (3) 88   (4) 84   (5) None of these

38. 18.4 x ? x 8 = 1840

(1) 11.0   (2) 12.5   (3) 14.5   (4) 10.0   (5) None of these

39. 5482.24 + 2548.56 + ? = 9626.26

(1) 1959.46   (2) 1546.95   (3) 1946.56   (4) 1569.45

40. $\sqrt[3]{2197}$ = ?

(1) 14   (2) 11   (3) 7   (4) 13   (5) None of these

Directions (41-45) : What **approximate** value should come in place of question mark (?) in the following questions ? (**Note :** You are not expected to calculate the exact value)

41. 18.505% of 550.010 = ?

(1) 135   (2) 85   (3) 100   (4) 120   (5) 90

42. 969.69 + 996.96 + 966.66 = ?

(1) 2560   (2) 2870   (3) 2930   (4) 2390   (5) 2900

43. $\sqrt{1599}$ = ?

(1) 40   (2) 45   (3) 35   (4) 30   (5) 50

44. 24.996 x 13.005 x 17.080 = ?

(1) 6225   (2) 5525   (3) 5405   (4) 5875   (5) 6025

45. 8599.999 ÷ 420.002 x 14.996 = ?

(1) 250   (2) 325   (3) 275   (4) 300   (5) 350

Directions (46-50) : In the following number series only one number is **wrong**. Find out the **wrong** number.

46. 5   348   564   689   716   780   788

(1) 716   (2) 788   (3) 348   (4) 689   (5) 780

47. 4444   2224   1114   556   281.5   142.75   73.375

(1) 2224   (2) 281.5   (3) 1114   (4) 556   (5) 142.75

48. 4.5   16   25   33   38.5   42   43.5

(1) 33   (2) 38.5   (3) 42   (4) 43.5   (5) 25

49. 6   49   305   1545   6196   18603   37218

(1) 6196   (2) 49   (3) 305   (4) 1545   (5) 18603

50. 8   5   6.5   11   26   68   207.5

(1) 68   (2) 6.5   (3) 11   (4) 26   (5) 207.5

51. 2 men can complete a piece of work in 6 days. 2 women can complete the same piece of work in 9 days, whereas 3 children can complete the same piece of work in 8 days, 3 women and 4 children worked together for 1 day. If only men were to finish the remaining work in 1 day, how many total men would be required?

(1) 4   (2) 8   (3) 6   (4) Cannot be determined   (5) None of these

52. What will be the approximate difference in the simple and compound interest accrued on an amount of Rs. 2600 at the rate of 15 p.c.p.a. at the end of three years?

(1) Rs. 167   (2) Rs. 194   (3) Rs. 202   (4) Rs. 172   (5) Rs. 184

53. A 320 metre long train crosses a platform thrice its length in 40 seconds. What is the speed of the train in km/hour?

(1) 120.6   (2) 115.2   (3) 108.4   (4) Cannot be determined   (5) None of these

Directions (54-55) : Study the following information carefully to answer the questions that follow:

A committee of five members is to be formed out of 4 students, 3 teachers and 2 sports coaches. In how many ways can the committee be formed if –

54. the Committee should consist of 2 students, 2 teachers and 1 sports coach?

(1) 25   (2) 64   (3) 9   (4) 36   (5) None of these

55. any five people can be selected?

(1) 126   (2) 45   (3) 120   (4) 24   (5) None of these

56. In how many different ways can the letters of the word 'LEASE' be arranged?

(1) 240   (2) 120   (3) 25   (4) 60   (5) None of these

57. The digit in the unit's place of a three digit number is thrice the digit in the ten's place and the digit in the hundred's place is two-third of the digit in

the ten's place. If the sum of the three digits of the numbers is 14, what is the three digit number?

(1) 932 (2) 239 (3) 326 (4) Cannot be determined (5) None of these

58. The ratio of the present ages of Meena and Fiona is 16 : 13 respectively. Four years ago the respective ratio of their ages was 14 : 11. What will be Fiona's age four years from now?

(1) 28 years (2) 32 years (3) 26 years (4) 36 years (5) None of these

59. The cost of building a fence around a circular field is Rs. 7,700 at the rate of Rs. 14 per foot. What is the area of the circular field?

(1) 24062.5 sq.ft (2) 23864.4 sq.ft. (3) 24644.5 sq.ft. (4) Cannot be determined (5) None of these

60. Gina invests Rs. 48,000 to start a business. Four months later Shrayon joins her by investing 62,000 and another two months later Deepika joins them both by investing Rs. 80,000. At the end of one year the business earns a profit of Rs. 20,661. What is Deepika's share in the profit?
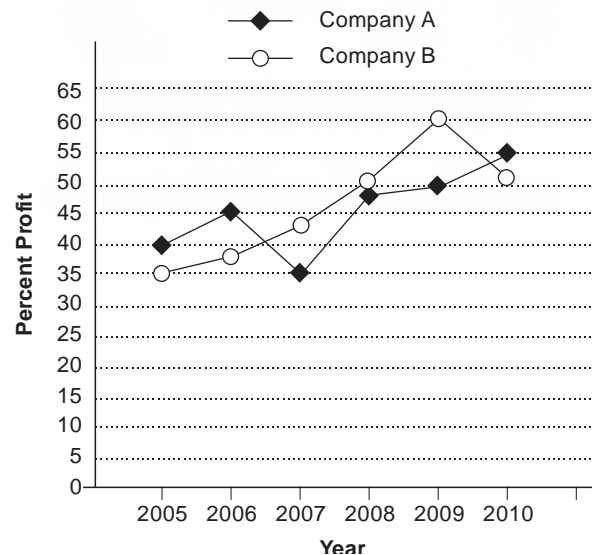
(1) Rs. 7,668 (2) Rs. 6,603 (3) Rs. 7,240 (4) Rs. 6,390 (5) None of these

Directions (61-65) : Study the following graph carefully to answer the questions that follow:

Percent Profit Earned by Two Companies Over the Years

Percent profit

$$= \frac{(\text{Income} - \text{Expenditure}) \times 100}{\text{Expenditure}}$$

61. In the income of company A in the year 2006 was Rs. 6,425 lakhs, what was its expenditure in that year?

(1) Rs. 4.7 lakhs (2) Rs. 5.2 lakhs (3) Rs. 4.5 lakhs (4) Rs. 3.8 lakhs (5) None of these

62. If the expenditure of company A in the year 2005 was 3.6 lakhs, what was the amount of profit earned by it in that year?

(1) Rs. 2.52 lakhs   (2) Rs. 2.46 lakhs   (3) Rs. 1.44 lakhs   (4) Rs. 1.31 lakhs
(5) None of these

63. What is the **approximate** average percent profit earned by company A over all the years together?

(1) 57   (2) 36   (3) 41   (4) 53   (5) 45

64. If in the year 2009 incomes of both the companies A and B were the same, what was the respective ratio of their expenditures in that year?

(1) 7 : 5   (2) 16 : 15   (3) 23 : 21   (4) Cannot be determined   (5) None of these

65. What is the percentage increase in percent profit of the company B in the year 2008 from the previous year? (rounded off to two digits after decimal)

(1) 17.65   (2) 19.25   (3) 16.55   (4) 15.75   (5) None of these

Directions (66-68) : In the following questions three squares A, B, and C are given which contain four figures/numbers related to each other. The figures/numbers in the first two squares are given as examples and bear a certain relationship to each other within the square. This relationship can be established/calculated vertically, horizontally or diagonally. Depending on this relationship between the figures/numbers in the first two squares, find out what should come in place of the question mark in the third square – C.

106.

32	72
92	52

A

16.5	56.5
76.5	36.5

B

?	13
33	-7

C

(1) 27   (2) -13   (3) 6   (4) 13   (5) -27

107.

9	540
45	180

A

5	300
25	100

B

2.4	144
12	?

C

(1) 48   (2) 36   (3) 24   (4) 52   (5) 64

108.

6	12
48	24

A

4	8
32	16

B

2.5	?
20	10

C

(1) 4   (2) 5   (3) 5.5   (4) 6.5   (5) 9

69. Mehul's monthly salary is one and a half times Shaliesh's monthly salary. Prashant's monthly salary is five-fourth of Mehul's monthly salary. If the total of the monthly salaries of all the three is Rs. 1,83,750. What is Prashant's monthly salary?

(1) Rs. 42,000   (2) Rs. 68,500   (3) Rs. 78,750   (4) Rs. 63,000   (5) None of these

70. On the annual day, sweets were to be distributed equally amongst 600 children of the school. But on that particular day, 120 children remained

absent. Thus, each child got 2 extra sweets. How many sweets was each child originally supposed to get?

(1) 8   (2) 14   (3) 10   (4) 6   (5) None of these

English Language

Directions (71-80): Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in **bold** to help you locate them while answering some of the questions.

Indians are known for their obsessive and compulsive fascination for gold, India is the largest importer and largest consumer of the yellow metal as Indians buy about 25 percent of the world's gold. In 2008, India imported around 400 tons of it. About 80 percent of the world's extracted gold is **fashioned** as jewellery. However, most of us don't know or don't think about the environmental cost of the metal. For instance, extracting enough gold to forge a solitary, no-frills wedding band ultimately translates into roughly 20-30 tons of waste. At some mines in Nevada (USA), 100 tons or more of earth have been excavated for a single ounce of gold.

The waste is of two forms: redundant rock, which is typically piled as flat heaps in locations near the mining site and the effluent or tailings which are a result of chemical processing of the mined ore. Sulphides in the redundant rock react with oxygen, making sulphuric acid which frees heavy metals like cyanide, cadmium, lead and mercury harmful to people even at miniscule concentrations. The tailings component is typically a thick slurry laced with cyanide, aluminum, copper, lead and mercury: enough to **decimate** fish populations of water environments it is disposed of into. Disposal of wet tailings into water bodies has been effectively banned in developed countries but it continues to be practised in most developing nations. There is also a very real danger of surface water and groundwater table contamination on account of these heavy metals.

In fact, gold mining generates more waste per ounce than any other metal and the effects are startling. Mining for gold has left huge gouges on the face of the earth, so **massive** that they can be seen from space.

According to a study, respiratory ailments, soil and water contamination, thick blankets of dust, withering of coconut trees and changes in land pattern use are some of the common features of the urban area around a particular gold mine in Karnataka. Many areas are reported to have become infertile because of soil contamination. They contain a percentage of heavy metals enough to retard plant growth.

Similarly, according to another report in 2008, nearly seven years after the closure of these mines, the people of this region continue to face serious

environment and health problems, particularly in July and August, due to winds in these months that carry with them cyanide particles from the dust piles in the abandoned miners. When the mines were operational, a layer of red soil used to be put over these dust piles before these crucial months to prevent the cyanide particles from being carried away by the heavy winds. Now that the mines have been closed, the mitigative measures have **ceased** as well.

People from socially and economically marginalized communities turn to mining to escape acute poverty, unemployment and landlessness. In some cases, their homes and farms may be 'acquired' for large-scale gold mining. While compensation is promised to them, it may take a year or two to kick in. Till then, forced to eke out a bare livelihood mostly in a kind of lottery system, they resort to crude methods to separate any flecks of gold that may be there in the discarded waste rock using mercury. In the process, destroy themselves slowly as well as their environment. The shanty towns which **inevitably** come up around the large scale mining sites only serve to add to the problem. Given their illegal and therefore unrecognized nature, they lack basic amenities like garbage disposal and water supply and sanitation, becoming another unsightly blot on the landscape.

According to the World Gold Council, while estimates of numbers engaged in artisanal mining vary widely, they range between 13 and 20 million men, women and children from over 50 developing countries. Indeed, it is believed that as much as a quarter of the world's gold is supplied by artisanal miners. Their efforts to earn themselves a daily wage have resulted in huge habitat loss and destruction. For example, huge patches of land, once home to lush patches of land, once home to lush trees in the island of Borneo in Indonesia are being swiftly rendered treeless and lifeless pits of waste. Incidentally, the island is highly farmed for its rich biodiversity. Combined with heavy pressures from the logging lobby and need for cheap power through hydroelectricity and relentless mining activity, it is hard to imagine if Borneo will manage to retain its crown.

Why should these facts about gold mining bother us? After all, we just import the metal: we do not mine it here to the extent other countries do. That's about to change though. New Delhi has a big plans to fuel growth in the mining sector and is looking to open investment in gold mining in the country – and in a big way.

However, India's environmental track record in mining has been anything but stellar. And this is something that requires close attention in light of the planned increased forays into gold mining. Even with the comparatively miniscule amounts of gold mining done so far, we have tripped up on environmental considerations. Geologically, India's terrain is very similar to those in other parts of the world where there have been huge gold finds. What

we need to do is to learn from the mistakes committed by certain developed countries in their own backyard. We have a whole series of examples of where things have gone wrong from other developing countries. We need to use these insights to our advantage and quickly.

71. According to the author, how are gold mines detrimental to the environment as well as public health even after their closure?

(1) The layer of red soil used to cover dust piles in these mines seeps into the ground water, thereby making it unfit for consumption.

(2) The mines weaken land mass and increase the chances of occurrence of earthquakes, especially after there is no one looking after them.

(3) The mitigative measures adopted after the closure of these mines are not supervised adequately hence are lightly damaging.

(4) The unsupervised mines now become a threat to the environment as inexperienced people carry out unchecked mining activities.

(5) Winds in specific months carry harmful heavy metal particles from the dust heaps accumulated in these mines.

72. Which of the following is possibly the most appropriate title for the passage?

(1) Gold Mining and India – The Inseparable Duo

(2) Artisanal Mining and its Effects

(3) Gold mining Activities in Asia

(4) Gold- The Most Expensive Metal in the World

(5) Lure for Gold – The Stark Reality

73. Which of the following is/are ill effects of gold mining as mentioned in the passage?

(A) Waste generated while mining for gold is harmful even in small quantities.

(B) Groundwater gets polluted due to the release of heavy metals generated from the mining of gold.

(C) Gold mining activities cause respiratory illnesses in people.

(1) Only (A)   (2) All (A), (B) and (C)   (3) Only (B) and (C)   (4) Only (B)   (5) Only (A) and (B)

74. What is the author's intention behind writing this passage?

(1) To discourage the Indian government from investing in gold mining.

(2) To bring forward the problems associated with gold mining for India's benefit.

(3) To discourage Indians from buying gold based on its repercussions.

(4) To advocate the import of gold instead of mining for it.

(5) To goad the Indian government into bringing the artisanal workers under the purview of the organized sector.

75. Which of the following is **true** about the people who carry out gold mining activities?

(A) Their employment is purely legal in nature.

(B) They employ unsophisticated methods of mining.

(C) They do not have essential amenities.

(1) Only (B)　　(2) Only (A) and (B)　　(3) Only (C)　　(4) Only (B) and (C)　　(5) All (A), (B) and (C) are true

76. Which of the following is NOT TRUE about the island of Borneo in Indonesia, as given in the passage?

(A) Large pieces of land are being destroyed because of mining.

(B) There is a large amount of mining activity being carried out on this island.

(C) It would be known for its rich biodiversity in the future.

(1) Only (A) and (B)　　(2) Only (B)　　(3) Only (C)　　(4) Only (B) and (C)　　(5) All (A), (B) and (C) are true.

77. Why, according to the author, should India worry about gold mining and its effects?

(1) As India is planning to increase its investment in gold mining and is looking to increase activities in this sector in the near future.

(2) As India has been extensively carrying out gold mining in the past and its environmental record is not encouraging.

(3) As a large number of people in India are employed in this unorganized sector which is detrimental to the country's economy.

(4) As India's terrain is geologically unstable and is similar to other lands in the world where gold mining is carried out.

(5) As India is committing the same mistakes committed by other developed nations when it comes to gold mining.

78. Why, according to author, is the environmental cost of gold very high?

(1) As gold is the only metal which generates harmful waste on its excavation.

(2) As excavation of gold releases the highest amount of pollutants into the air as compared to any other metal.

(3) As gold excavation is a very tedious process and requires usage of a number of environmentally destructive resources.

(4) As the amount of gold recovered in proportion to the land excavated is negligible.

(5) As the transformation of raw gold into a piece of jewellery is very expensive and is environmentally harmful.

Directions (79-80) : Choose the word/group of words which is **most similar** in meaning to the word/group of words printed in **bold** as used in the passage.

79. FORGE

(1) create　　(2) counterfeit　　(3) fake　　(4) falsify　　(5) copy

80. DECIMATE

(1) destroy (2) divide (3) augment (4) vacate (5) equalize

Directions (81-85): Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

81. The actress _____ from a chilled out girl off screen to an intense actor on screen in just a few minutes is ____ amazing.

(1) change, improperly (2) revolution, just (3) transformation, simply

(4) adjustment, really (5) renovation, truthfully

82. Considering the _____ of the city to chemical and industrial disasters, the State Disaster management authority has decided to constitute an expert study group to analyze all possible threats and suggest _____ to make the city 'disaster-resilient'.

(1) vulnerability, measures (2) propensity, sketches (3) volatility, plans

(4) regularity, preparations (5) instability, maps

83. Despite the collapse of efforts to legislate a climate bill, the country has ____ international negotiators it remains _____ to reducing carbon emissions over the next ten years.

(1) entrusted, obligated (2) promised, averse (3) declared, ignorant

(4) assured, committed (5) pledged, attentive

84. _____ by other singers and musicians, the singer sang his heart out and even ____ the young newcomers during their act.

(1) Helped, smiled (2) Accompanied, cheered (3) Created, judged

(4) Stopped, applauded (5) Assisted, greeted

85. The health officials were told to ____ the medical practitioners about the treatment and immediate medical ____ to be given to swine flu patients.

(1) inform, assistance (2) enlist, backing (3) dissuade, aid

(4) apprise, emergency (5) encourage, help

Directions (86-90) : Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is "No Error", the answer is '5' I.e. (Ignore errors of punctuation, if any).

86. The celebrations continued (1)/ through the evening as more (2)/ and more friends joins (3)/ in the fun and frolic. (4)/ No Error (5)

87. The actress believes in (1)/ being fit and feels that there (2)/ are too much hype around size zero (3)/. In the entertainment world. (4)/ No Error (5)

88. While the actress wins fans with (1)/ her on screen fireworks, off screen, it's her (2)/ down-to-earth attitude and easy-going manner (3)/ that wins her friends. (4)/ No Error (5)

89. Even though the exchange attract (1)/ the attention of all those present at (2)/ the police station, the inspector continued (3)/ his tirade against the girl. (4)/ No Error (5)

90. The market continues to be positive (1)/ and in the next quarter we expected (2)/ the trend to continue with (3)/ the onset of the festive season. (4)/ No Error (5)

Directions (91-100): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage, against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

People are as much attuned to fairness as they are to individual self-interest. Therefore, any institution regulating human behaviour will have to **(91)** that the compromises between individual self-interest, collective interest and fairness are within tolerable limits. These trade-offs are as **(92)** for larger institutions, including the largest of them all i.e., the state, as they are for the smallest ones like the family. **(93)** as parents should not repeatedly favour one child over another, the state cannot repeatedly favour one community or class over another. The **(94)** of fairness is ingrained in our psyches. Since human beings often grab what they can, we need institutions to ensure fair **(95)**. Of these institutions, the state is the most important, since it is **(96)** to ensure that basic human needs are ensured with minimal standards of fairness. A state **(97)** of or uninterested ensuring equity in security, education, food, health and shelter is a state whose legitimacy will be questioned.

Further, the legitimacy of the state is dependent on its being as close to a neutral umpire as possible. When the state **(98)** partisan, its legitimacy can be questioned. When the state sheds the umpire's clothes and becomes one of the players, the rules of fair play are so badly **(99)** that we can only call such an event intolerable **(100)**.

91. (1) demand   (2) ensure   (3) consider (4) regulate   (5) encompass

92. (1) important   (2) juvenile   (3) insignificant   (4) supreme   (5) part

93. (1) Presently   (2) Same   (3) So   (4) Like   (5) Just

94. (1) opinion   (2) judgement (3) end   (4) drama   (5) conclusion

95. (1) people   (2) dissipations   (3) outcomes   (4) affects   (5) discouragement

96. (1) stimulated   (2) calculated   (3) considered   (4) hastened   (5) designed

97. (1) qualified   (2) riddled   (3) powerful   (4) incapable   (5) shortening

98. (1) appears   (2) allow   (3) become   (4) recommends   (5) visualizes

99. (1) twist   (2) stopped   (3) mended   (4) broken   (5) abated

100. (1) truth   (2) fairness (3) injustice   (4) murder   (5) fortune