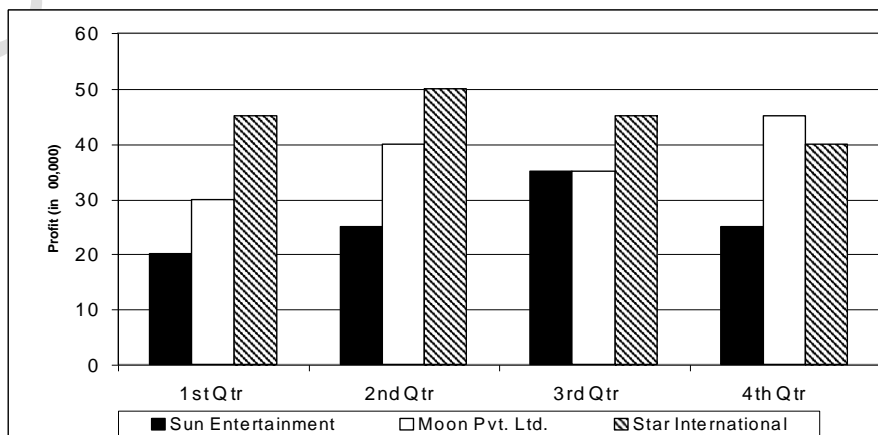


COMMAN MANAGEMENT APTITUDE TEST

06

Section-I. Quantitative Technique and Data interpretation

1. A person invested Rs.1,00,000 at 8% simple interest for 5 years and reinvested the amount received at 10% simple interest for 2 years. What was the final amount received by him?
 (a) Rs.1,56,000 (b) Rs.1,60,000 (c) Rs.1,68,000 (d) Rs.1,70,000
2. A 100 liters spirit water solution contains 75% spirit. Find the amount of water to be added to convert it into 60% spirit solution.
 (a) 15 liters (b) 25 liters (c) 40 liters (d) 20 liters
3. Ajay started a firm with a capital of Rs.28,000. After 5 months, Boman joined him and invested Rs.40,000 in the firm. Chirag was also added as a new partner with an individual investment of Rs.56,000 after 7 months of commencement. If at the end of the year, the profit of the firm is Rs.32,000, what is the share of Boman?
 (a) Rs.12,000 (b) Rs.8,000 (c) Rs.14,000 (d) Rs.10,000
4. The price of a machine increases by 20% in a year and decreases by 15% in the following year. What is net percentage increase/decrease in the price of the machine?
 (a) 1% increase (b) 2% increase (c) 1% decrease (d) 2% decrease
5. The question given below is followed by two statements, I and II. Mark the answer using the following instructions:
 Mark (a) if the question can be answered by using statement I alone, but not by using statement II alone.
 Mark (b) if the question can be answered by using statement II alone, but not by using statement I alone.
 Mark (c) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.
 Mark (d) if the question cannot be answered even by using both the statements together.
- Q. In a class, the ratio of boys to girls is 13 : 10. How many boys are there in the class?
I. The number of boys is 30% more than the number of girls.
II. The number of girls is 15 less than the number of boys.
6. A person covers 180 km, 240 km and 300 km by car, train and bus respectively. Find the average speed of the whole journey if the speed of car, train and bus is 60 km/hr, 80 km/hr and 50 km/hr respectively.
 (a) $63\frac{1}{3}$ km/hr (b) 60 km/hr (c) $62\frac{1}{3}$ km/hr (d) 62 km/hr
7. When two students of a class with strength of 40 students were expelled, the average age of the class which was 18 years did not change. If one of the students was 14 years old, what was the age (in years) of the second student?
 (a) 22 (b) 24 (c) 26 (d) 20
8. The bar graph given below shows profit (in Rs. 00,000) of three companies for four quarters of the financial year 2011-12.



Which company recorded the highest percentage increase in profit over the previous quarter during any of the four quarters?

(a) Sun Entertainment (b) Moon Pvt. Ltd. (c) Star International (d) Both (a) and (b)

9. If the natural numbers starting from 1 are written one after the other to form a 121-digit number, then what will be the last digit of the resultant number?

(a) 5 (b) 3 (c) 6 (d) 7

10. Four tables and 3 chairs cost Rs. 3,200 whereas 5 tables and 7 chairs cost Rs.5,300. What is the price of a table?

(a) Rs.600 (b) Rs.500 (c) Rs.480 (d) Rs.300

11. Find the value of 'a' in the equation $3x^2 - (3a + 2)x + 7 = 0$, if one of its root is 4.

(a) $35/3$ (b) $47/12$ (c) $10/3$ (d) $11/3$

12. The table given below shows the number of students admitted across various courses in 5 elite institutes in the year 2012.

Institute \ Courses	PGDM	BBA	ENGG.	MBBS
A	216	72	300	112
B	150	100	400	150
C	200	128	200	172
D	184	100	216	100
E	250	150	284	116

Number of students admitted in the five institutes in MBBS is what percent of the total number of students admitted in institutes A and B together?

(a) 43.33% (b) 50% (c) 61.8% (d) 74%

13. The question given below is followed by two statements, I and II. Mark the answer using the following instructions:

Mark (a) if the question can be answered by using statement I alone, but not by using statement II alone.

Mark (b) if the question can be answered by using statement II alone, but not by using statement I alone.

Mark (c) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.

Mark (d) if the question cannot be answered even by using both the statements together.

Q. The average marks of three students X, Y and Z were 2025. What were the marks of each student?

I. Y and Z together secured 1324 marks.

II. X and Z together secured 1355 marks.

14. The remainder when 25^{82} is divided by 27 is

(a) 2 (b) 25 (c) 1 (d) 0

15. The average of 5 numbers is 150. The largest number exceeds the smallest number by 100. If the five numbers are in arithmetic progression, find the smallest number.

(a) 100 (b) 150 (c) 170 (d) 135

16. Find the volume of water (in litres) that is flowing through a cylindrical pipe of diameter 14 meters in a minute, if water is flowing at the rate of 30 km per hour.

(a) 7.7×10^7 (b) 1.54×10^6 (c) 1.54×10^7 (d) 7.7×10^6

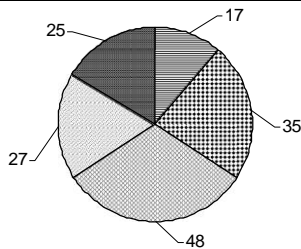
17. Find the number of ways in which 14 persons can sit on 14 chairs such that 3 particular persons always sit together.

(a) 14! (b) $14! \times 3!$ (c) 11! (d) $12! \times 3!$

18. three dice are rolled simultaneously. What is the probability of getting a sum which is more than 15 ?

(a) $7/216$ (b) $5/108$ (c) $1/6$ (d) $7/36$

19. The pie-chart given below shows quantities (in ml) of different liquids – A, B, C, D and E – in a mixture.



□ Liquid A ▨ Liquid B ▩ Liquid C □ Liquid D ■ Liquid E

If the quantity of liquid C is doubled, keeping the quantities of rest of the liquids constant, find the percentage of liquid E in the final mixture.

(a) 16.67% (b) 33.33% (c) 12.5% (d) 18%

20. If $f(x) = x^2 - 3x + 2$ and $g(x) = x^3 - 2x$, find the value of $g(f(x))$, for $x=4$.

(a) 214 (b) 204 (c) 212 (d) 202

21. The digit at the unit place of the product $12^{13} \times 13^5 \times 14^2$ is

(a) 6 (b) 4 (c) 0 (d) 2

22. A work gets completed in 10 days if either 5 men and 4 women work on it or 7 men and 3 women work on it. How long will 10 men take to complete the work?

(a) 9 days (b) 10 days (c) 14 days (d) 13 days

23. Two successive discounts of 20% and $y\%$ are given on marked price such that the selling price is Rs. 800. If the marked price of the article is Rs. 1,200, find the value of y .

(a) $13\frac{1}{3}\%$ (b) 17% (c) $16\frac{2}{3}\%$ (d) $11\frac{1}{9}\%$

24. If two pipes can fill a cistern of capacity 1,00,000 liters in 20 hours and 30 hours respectively, find the time taken by both of them to fill 75,000 liters of water in it.

(a) 24 hours (b) 9 hours (c) 20 hours (d) 12 hours

25. A train travelling at a certain speed can cross a person standing on the platform in 10 seconds, while it takes 2 seconds more for the same if it travels slower by 18 km/hr. Find the length of the train.

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

SECTION-II. LOGICAL REASONING

26. While speaking to a lady, Aryan said "You are the mother of the daughter of the only son of the wife of the father of my sister's father". How is the lady related to Aryan?

(a) Mother (b) Aunt (c) Sister (d) Cannot be determined

27. Find the next term in the series: 25, 52, 38, 83, 50, 5, 126, ____

(a) 36 (b) 111 (c) 534 (d) 621

28. A cube is painted red on all of its faces and then cut into 64 identical smaller cubes. How many of these smaller cubes have exactly two faces painted red?

(a) 12 (b) 16 (c) 24 (d) 32

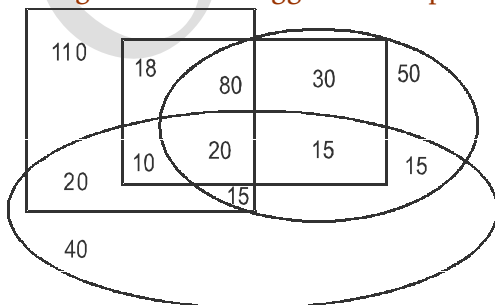
29. A is to the South of B who is to the East of C. E is to the East of D who is to the North of C. What is the direction of D with respect to A?

(a) North-west (b) West (c) East (d) South-west

30. Find the next term in the series: B6D, C9F, E15J, H24P, ____

(a) L27X (b) K27X (c) K36X (d) L36X

31. In the diagram given below, Square represents the number of families having VCR, Rectangle represents the number of families having scooter, the smaller Oval represents the number of families having TV and the bigger Oval represents the number of families having Maruti Car.



How many families are there with all the four things?

(a) 40 (b) 30 (c) 35 (d) 20

32. The following is an illustration of an input and the outputs at the subsequent steps of a rearrangement in a word arrangement machine.

Input: Danish will be appearing for the examination

Step I: will Danish be appearing for the examination

Step II: will the Danish be appearing for examination

Step III: will the for Danish be appearing examination

Step IV: will the for examination Danish be appearing

(Step IV is the last step for this input)

If the input is “Suresh and Ramesh are very funny men”, then which step will be the final step?

(a) Step IV (b) Step V (c) Step VI (d) None of these

33. In a marriage, Ram saw a girl and told his father that the girl is the granddaughter of the father of the only child of the lady whom I address as grandmother. How is the girl related to Ram?

(a) Aunt (b) Cousin (c) Sister (d) Cannot be determined

34. Five students – A, B, C, D and E – are standing in a row from left to right in ascending order of their heights. A is neither the shortest nor the tallest; exactly 3 students are shorter than D and exactly 3 students are taller than E. If C is at the extreme right end, then the correct order from left to right is

(a) BDAEC (b) BEADC (c) EBADC (d) BAEDC

35. Each of the four different games was played on a different day from Monday to Thursday. Hockey and Cricket were not played on two consecutive days. Ludo was played after Hockey but before Chess. Which game was played on Tuesday?

(a) Cricket (b) Hockey (c) Ludo (d) Either (b) or (c)

36. Five lectures of one hour each are scheduled from 1:00 p.m. to 6:00 p.m. in a day. L1 and L2 are scheduled just after L3. L4 is scheduled just after L5. Exactly two lectures were scheduled between L2 and L5. Which lecture was scheduled from 3:00 p.m. to 4:00 p.m.?

(a) L5 (b) L3 (c) L4 (d) Cannot be determined

37. Five friends are sitting in a row such that E is adjacent to A but not adjacent to C. B is at one of the extreme ends. Exactly two friends are sitting between E and B. Who is definitely sitting adjacent to D?

(a) E (b) C (c) A (d) B

38. In a certain code language, “alpha beta gamma” means “He gives chocolates”, “theta delta gamma” means “Harry gets chocolates” and “alpha delta phi” means “He gets nothing”. What is the code for “nothing”?

(a) gamma (b) phi (c) delta (d) alpha

39. In a certain code language, if TAIT is coded as 0110, then the code for RAHANE is

(a) 011101 (b) 110101 (c) 011101 (d) 010101

40. Find the odd one out.

(a) 324 (b) 861 (c) 529 (d) 676

41. If '#' means addition, '\$' means subtraction, '&' means multiplication and '*' means division, then find the value of: $4 \& 6 * 20 \# 3.6 * 2 \$ 1.5 \& 5$.

(a) -5 (b) -3.75 (c) -2.25 (d) -4.5

42. Each of the five students – A, B, C, D and E – appeared for at least one among the five MBA entrance tests. At least one among them appeared for each test. B appeared only for MAT and CAT. D did not appear for ATMA and XAT. A did not appear for XAT and CMAT. B and A did not appear for any common and the same is true for A and E. Each student appeared for a different number of tests. How many students appeared for CAT?

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

43. In the following sequence, how many letters are immediately preceded by a number and immediately followed by a symbol?

B@D4%UP1!M8*HE&9W6N#L7P\$

(a) 0 (b) 1 (c) 2 (d) 3

44. Four friends – Gopal, Kishan, Madhav and Vishnu – own different cars among – I-10, I-20, Ritz and Getz – in no particular order. The cars are of different colours – Yellow, Blue, Green and Red. It is also known that:

(i) I-20 is either a red or a green coloured car.

- (ii) Kishan owns either Ritz or Getz.
(iii) Gopal owns I-10 and Vishnu owns a yellow coloured car.
(iv) Neither I-10 nor Getz is a blue coloured car.
Which of the following combinations of friend-car-colour is definitely correct?

- (a) Kishan-Ritz-Blue (b) Vishnu-Ritz-Yellow
(c) Madhav-I-20-Red (d) Gopal-I-10-Green
45. Find the wrong number in the series: 6, 15, 35, 99, 143, 221
(a) 143 (b) 99 (c) 35 (d) 15

46. In the given question, a statement followed by two assumptions numbered I and II is given. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is/are implicit in the statement.

Mark your answer as:

- (a) if only assumption I is implicit
(b) if only assumption II is implicit
(c) if neither I nor II is implicit
(d) if both I and II are implicit

Statement:

Even in developed economies, monetary policy acts with a lag.

Assumptions:

- I.** Monetary policy takes longer to act in developing economies than in developed ones.
II. Both developed and developing economies make their monetary policies.

47. In the given question, a statement followed by two assumptions numbered I and II is given. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is/are implicit in the statement.

Mark your answer as:

- (a) if only assumption I is implicit
(b) if only assumption II is implicit
(c) if neither I nor II is implicit
(d) if both I and II are implicit

Statement:

An advertisement : "Fly X airways whenever you decide to go places. Our fares are lower than train fares."

Assumptions:

- I.** People prefer to travel by air when the fares are reasonable.
II. The fares of other airlines are costlier than those of X airways.

48. In the given question some statements followed by four conclusions numbered I, II, III and IV are given. You have to take the given statements to be true even if they seem at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements, disregarding commonly known facts.

Statements:

- i. All rats are cows.
ii. No cow is white.

Conclusions:

- I. No white is rat.
II. No rat is white.
III. Some whites are rats.
IV. All cows are rats.
(a) Only II and IV follow (b) Only IV follows
(c) Only I and II follow (d) None follows

49. In the given question, a statement is given, followed by two conclusions I and II. Consider the statement and decide which of the conclusions follow from the statement.

Mark your answer as:

- (a) If neither conclusion I nor II follows
(b) If only conclusion II follows
(c) If only conclusion I follows
(d) If both conclusions I and II follow

Statement: Workers feel highly motivated when they get a sense of involvement by participating in the management of the company.

Conclusions:

I. Workers should be motivated about work.

II. Workers should be allowed to participate in the management of the company.

50. In the given question, a statement is given, followed by two conclusions I and II. Consider the statement and decide which of the conclusions follow from the statement.

Mark your answer as:

(a) If neither conclusion I nor II follows

(b) If only conclusion II follows

(c) If only conclusion I follows

(d) If both conclusions I and II follow

Statement: Power consumption in every family has doubled during the last five years.

Conclusions:

I. There has been a lot of development in the society.

II. Power rates have become cheaper.

SECTION-III. LANGUAGE COMPREHENSION

51. There are two blanks in the following sentence. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

At the best of times, the _____ profile of the country undermines stability: the minorities-the Tajiks, the Hazaras and the Uzbeks dominate the North; the Pashtoons, on the other hand, are a _____ majority in the South and East.

(a) popular, gross (b) people, minute

(c) demographic, gargantuan (d) leotard, motley

52. There are two blanks in the following sentence. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

Urdu poetry has a/an _____ quality, which makes people explode with cries of Wah! even though they do not fully _____ what is being said.

(a) oblique, sing (b) pious, undervalue

(c) surreptitious, hear (d) uncanny, comprehend

53. There are two blanks in the following sentence. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

He also expressed strong _____ about _____ judicial powers on an officer of the rank of joint secretary to the government.

(a) support, conniving (b) reserve, covering

(c) refusal, converting (d) reservations, conferring

54. There are two blanks in the following sentence. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

We must therefore use some _____ to render a Pastoral delightful; and this consists of exposing the best side of a shepherd's life, and in concealing its _____.

(a) illustration, joys (b) method, waggery

(c) idyllic, sorrows (d) illusion, miseries

55. There are two blanks in the following sentence. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

International _____ does not deter the Taliban from going ahead with the _____ of the 2000 year old Buddha statue.

(a) accusation, pulverization (b) outrage, destruction

(c) contention, shattering (d) concurrence, leveling

56. Choose the alternative which best expresses the meaning of the idiom/phrase given in bold.

The poet **drew on his fancy** not his knowledge of nature, when he wrote his poem on birds.

(a) Used his imagination (b) Used his aptitude

(c) Used his understanding (d) Used his skill

57. Choose the alternative which best expresses the meaning of the idiom/phrase given in bold.

Very ambitious people do not like **to rest on their laurels**.

(a) Be impatient (b) Be motivated

(c) Be unhappy (d) Be complacent

58. Choose the alternative which best expresses the meaning of the idiom/phrase given in bold.

They **made no bones about** acknowledging their debt to his genius.

- (a) Demanded compensation for (b) Did not have any faith in
 (c) Did not have any hesitation in (d) Had problems in

59. Choose the alternative which best expresses the meaning of the idiom/phrase given in bold.

During the last moments of his life, the criminal **made a clean breast of everything** he had done.

- (a) Confessed without reserve (b) Fought for
 (c) Showed his contempt to (d) Faced bravely

60. In the following question five sentences A, B, C, D and E are given. You have to arrange them in a logical order to make a coherent paragraph.

A. During the first four decades of our independence, our exports of manufactured goods grew at an annual rate of 0.1 percent until 1985; as a result, India's share of world trade fell by four-fifths, or 80 percent, from 1947 to 1987.

B. So our ideas of self-reliance combined a Nehruvian concern for distributive social justice with a profound mistrust of the international economic forces that had enslaved the country for 200 years.

C. For years, India seemed perversely proud of its declining foreign trade.

D. This was perhaps understandable in the post-colonial context, because India's closed and statist economic policies were principally a political and cultural reaction to British imperialism.

E. After all, the East India Company had come to trade and stayed on to rule.

- (a) ADEBC (b) CADEB (c) CDEAB (d) ADECB

61. In the following question five sentences A, B, C, D and E are given. You have to arrange them in a logical order to make a coherent paragraph.

A. Obviously when the raging inflation is underpinned to a large extent by food prices, the determination of procurement prices for paddy and wheat has an enormous contextual significance.

B. After the last winter crop, the government claims to have procured ample quantities of wheat for sustaining the public distribution system.

C. The high procurement price has been an effective inducement.

D. While some of these might be revisited in the light of satisfactory harvests and procurement, the delay in fixing the MSPs is retrograde. For paddy, the MSP, even if ad hoc, has now been announced, but for other major crops the prices are yet to be declared.

E. The government's other measures to contain food prices included a ban on the export of nonbasmati rice and a few other commodities.

- (a) BCDEA (b) ABEDC (c) ABCED (d) DCEAB

62. There are two blanks in the following sentence. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

What emerged from the conference was that language is a constantly evolving _____, and Britain's tongue, _____ from being destroyed, was experiencing exciting change.

- (a) exercise, fresh (b) entity, far (c) form, weary (d) transition, saved

63. The question below has an underlined part. Choose the option that most appropriately replaces the underlined part.

The Russian music of the nineteenth century is richer and more varied than France.

- (a) is rich and more varied than France.
 (b) is richer and more varied than the music of France.
 (c) is more rich and varied than France.
 (d) is more rich and more varied than is the music of France.

64. In the question below, four different ways of writing a sentence are indicated. Choose the grammatically correct way of writing the sentence.

- (a) After he had missed two buses, as they were full and no one got down, Mani, who was at the head of the queue, was determined to get into the third as it pulled up.
 (b) Having missed two buses, as they were full and no one got down, Mani, who was at the head of the queue, was determined to get into the third as it pulled off.
 (c) Missing two buses, as they were full and no one got down, Mani, who was heading the queue, was determined to get into the third as it pulled off.
 (d) Missing two buses, as they were full and no one got down, Mani, who was at the head of the queue, was determined to get into the third bus as it pulled up.

65. In the question below, four different ways of writing a sentence are indicated. Choose the grammatically correct way of writing the sentence.

- (a) We have always been letting our domestic animals run wildly, with nothing but a tag pinned to their ears to let everyone know whom they belonged to.
- (b) We have always let our domestic animals run wildly, with nothing but a tag pinned on their ears that let everyone know who they belonged to.
- (c) We have always let our domestic animals to run wild, with nothing but a tag pinned on their ears that let everyone know who they belong to.
- (d) We have always let our domestic animals run wild, with nothing but a tag pinned to their ears to let everyone know whom they belong to.

66. Read the following argument/passage carefully and answer the question that follows.

The Federal Reserve tried to stir interest among policy makers in the problems afflicting the housing market by sending a white paper to Congress outlining suggestions for easing those problems. The Reserve is concerned that the collapse of mortgage lending during the financial crisis is hardening into “a potentially long-term downshift in the supply of mortgage credit.” One reason for this, the paper says, is that Fannie and Freddie, which provide the money for most mortgage loans, are scaring lenders by aggressively seeking refunds on defaulted loans.

Which of the following, if true, justifies the concerns of The Federal Reserve?

- 1. The ways employed by Fannie and Freddie are discouraging lenders from originating new loans.
- 2. The methods used by Fannie and Freddie are helping them in maximizing their profits on old business.

(a) Both 1 and 2 (b) Only 2 (c) Only 1 (d) Neither 1 nor 2

67. Read the following argument/passage carefully and answer the question that follows.

A psychological scientist wanted to measure a subjective emotion- happiness. He wanted a rating scale with ratings from 1 to 6 to measure happiness by asking people question about their wellbeing. But this was difficult as somebody’s five might be six for the other. He thought of a solution to this problem. He started thinking of his training days when some cheap thermometers that were not well calibrated were used to measure temperature. A few people with normal temperatures got readings other than 98.6, and occasionally two people with the same temperature used to get different readings. These inaccuracies caused people to seek medical treatment they didn’t need or to miss getting treatment they needed. So buggy thermometers were sometimes a problem—but not always. Some thermometers would underestimate, some would overestimate, but as long as enough people were measured, the inaccuracies would cancel themselves out. Even with poorly calibrated instruments, large groups of people could be compared. He thought rating scale is like a buggy thermometer. Its inaccuracies make it inappropriate for some exact measurements (for example, saying exactly how happy John was at 10:42 AM on July 3, 2010), but it’s appropriate for most of the measurements needed to measure happiness in a large group of people.

What is the method of reasoning used by the psychological scientist?

- (a) group study (b) thought and observation
- (c) analogy (d) inductive logic

68. Read the following argument/passage carefully and answer the question that follows.

Blogs compete with mainstream media every day. In some cases, they have become more trustworthy as sources of information than some old school practitioners. Oregon’s shield law does not recognize the blog as a “medium of communication” worthy of special protection. Such a narrow definition of journalism is archaic. It shouldn’t matter whether the person calls himself a journalist or not, nor where he publishes a story. The quality of the story and the integrity of the method of reporting should count. By that standard, some bloggers would qualify as journalists while some deadwood reporters at newspapers would fail.

Which of the following summarizes the argument?

- (a) Instead of focusing on who is doing the publishing, it is more important to look at how they are doing it.
- (b) The quality of the story and the integrity of the method of reporting are more important criteria than whether the person who has done it is a journalist or a blogger.
- (c) Bloggers and journalists are no different from each other.
- (d) Journalism needs to broaden its line of thought.

69. Read the following argument/passage carefully and answer the question that follows.

Tom: Within democracies voters are entitled to know the ‘down-side’ to a candidate – and the other side is obviously well placed to voice it. To stifle one’s ability to voice negative things about a candidate would be to obstruct democracy and limit free speech.

Riddle: Negative ads produce the politics of the personal, since the easiest ad is an attack-ad which focuses on the personality or personal qualities of one’s opponent.

A negative advertisement is one that focuses upon a rival product, in this case a rival election candidate or party, in order to point out its flaws and to persuade the public not to buy it (or vote for it). On the basis of the given debate between Tom and Riddle, identify the main issue of debate.

- (a) Whether negative advertisement strengthen democratic governance.
- (b) Whether the practice of negative advertisements is good for democracy and politics.
- (c) Whether negative advertising needs to be banned.
- (d) Whether negative advertising produces the politics of the personal.

70. Read the following argument/passage carefully and answer the question that follows.

“Most cancer cells rely almost exclusively on glucose to fuel their growth,” says Guy Perkins of the University of California at San Diego. With the researcher Rudy Yamaguchi of Kyushu University in Fukuoka, Japan, Perkins found the cells would take up a similar sugar called 2-deoxyglucose. But this sugar physically dislodges a protein within the cell that guards a suicide switch. Once exposed, the switch can be activated by a drug called ABT-263. This kills the cell by liberating proteins that order it to commit suicide.

Which of the following summarizes the above argument?

- (a) Researchers have tricked glucose-eating cancer cells which leaves a “suicide” switch within the cells open to attack.
- (b) Cancer can now be treated by using a sugar to dislodge proteins.
- (c) Researchers have tricked glucose-eating cancer cells into consuming a sugar that essentially poisons them - it leaves a “suicide” switch within the cells open to attack.
- (d) The treatment for cancer has been discovered.

71. Read the following argument/passage carefully and answer the question that follows.

Eamon McCrory at University College London used fMRI to scan the brains of 20 outwardly healthy children who had been maltreated and 23 “controls” from safe environments. During the scans, the children, aged 12 on average, viewed a mixture of sad, neutral and angry faces. When they saw angry faces, the maltreated children showed extra activity in the areas of brain known to be involved in threat detection and anticipation of pain. Combat soldiers show similar heightened activity.

The argument can be best summarized in which of the following ways?

- (a) Minds of children respond to some situations in a pattern similar to that found in adults.
- (b) The brains of children from violent homes function like those of soldiers when it comes to detecting threats.
- (c) The ability to adapt to threats is present in children as well as adults.
- (d) Certain areas of the human brain show heightened activity in response to threats.

72. Read the following argument/passage carefully and answer the question that follows.

Reema: Teenage pregnancy is a stressful experience, it would be sensible for a pregnant unmarried teenage girl to seek advice from a responsible adult. Parental involvement laws would make notification of pregnancy and consent for abortion from one or both parents mandatory.

Reeta: Obtaining parental consent necessarily imposes a delay in the abortion process, which increases the likelihood of complications: generally speaking, the earlier in pregnancy an abortion takes place, the safer it is. Necessary safeguards such as judicial waivers introduce even more delays - at least 22 days in the US.

Which of the following best depicts the way in which Reeta responds to Reema’s argument?

- (a) She opposes Reeta’s idea by suggesting some complications.
- (b) She defends the practice by citing evidence to show the time delay.
- (c) She justifies her opposition to the idea on the premise that delay due to consent may endanger mother’s health.
- (d) She agrees to Reema’s idea but introduces evidence to show that it is harmful for the pregnant teenager.

73. Read the following argument/passage carefully and answer the question that follows.

Doctor X: Anorexia Nervosa is an eating disorder defined as severe, self- inflicted starvation and loss in body weight to at least 15% below that expected for the individual’s sex and height. Anorexia

is typically associated with women and body image and is thought to be made worse by unrealistic media portrayals of the female body. Mortality varies between 5% and 18%. Patients who are dangerously thin need to be force-fed through a naso-gastric (through the nose) tube.

Doctor Y: Force-feeding has negative consequences. If the patient is dangerously thin and is then force-fed, it can lead to Hypophosphataemia (reduction of phosphates in the blood) which causes heart failure. Anorexics are characterized by self-denial and often do not come forward voluntarily. They are even less likely to do so if they are faced with the possibility of force-feeding.

Which of the following most accurately expresses the issue between Doctor X and Doctor Y?

- (a) Whether anorexia nervosa leads to other potentially fatal diseases.
- (b) Should dangerously thin anorexia nervosa patients be force-fed.
- (c) Is force-feeding dangerous for the health of patients.
- (d) Whether self-abnegation is a big problem in patients of anorexia nervosa.

74. Read the given argument carefully and answer the question that follows.

Productive capacity varies from person to person. The price to purchase it varies with the capacity of the employer. The employer keeps buying units of a person's potential/capacity, or not buying it, depending on the money he pays to encourage/discourage it. The use of money, aka financial incentive, permits two things that the absence of it does not. It allows the employer to recruit people from a more valuable talent pool, and it motivates the people that have been recruited to produce more value than they would without it.

Which of the following must be true if the given argument is true?

- 1. The employer does not "buy" a person's full productive capacity with the initial salary he offers him.
- 2. Productive capacity of a person is not fixed.
- (a) Both 1 and 2 (b) Only 1 (c) Only 2 (d) Neither 1 nor 2

75. Read the given argument carefully and answer the question that follows.

Ratings agencies were one of the major culprits of the financial crisis — bestowing top-notch, triple-A ratings on thousands of mortgage-backed securities that proved to be worth less than junk when the housing bubble burst. It has taken three years, but the nation's banking regulators have now made a good proposal to remove the raters as the official arbiters of financial reliability and replace them with a set of objective, transparent criteria to determine the riskiness of assets in the trading portfolios of the nation's 30 biggest banks

Which of the following strengthens the argument?

- 1. Ratings agencies were paid millions by the companies and banks whose securities they rate.
- 2. Regulators — and the financial system — need a more objective way to assess risk.
- (a) Only 1 (b) Only 2 (c) Both 1 and 2 (d) Neither 1 nor 2

SECTION-IV. GENERAL AWARENESS

76. Who is the current Chairman of the Parliamentary Standing Committee on External Affairs?

- (a) Sushma Swaraj (b) Yashwant Sinha (c) Shashi Tharoor (d) Jairam Ramesh

77. Which of the following is correct about Ishan Uday Scheme?

- (a) It is concerned with the provision of scholarships to students from all Indian States
- (b) It is concerned with the provision of scholarships to students from North East India only
- (c) It is concerned with setting up Special Economic Zones in newly formed states
- (d) It is concerned with setting up Special Economic Zones in north eastern states of India

78. Recently, which material is recommended for making "bullet proof jackets"?

- (a) Kevlar (b) Steel (c) Graphene (d) graphite

79. Which Indian player recently won Macau Open Grand Prix title 2014?

- (a) Sania Nehwal (b) P.V. Sindhu (c) Jwala Gutta (d) Sania Mirza

80. Who amongst the following was the bowler who delivered the fatal delivery that led to the demise of Phil Hughes?

- (a) Sean Penn (b) Sean Abbott (c) Doug Bollinger (d) Mitchell Johnson

81. Which of the following is a multi level global campaign to spread awareness about importance of girls' education?

- (a) Girl Rising (b) One Billion Rising (c) The Sun is Rising (d) None of the above

82. Which of the following is the correct figure for the floor capital set for small Finance and Payments Banks by the RBI?

- (a) Rs 50 Crore (b) Rs 100 Crore (c) Rs 150 Crore (d) Rs 200 Crore

83. Which of the following will be monitoring the Varishtha Pension Bima Yojana?
(a) GIC of India (b) State Bank of India (c) IRDA (d) Life Insurance Corporation of India
84. Which of the following schemes has recently been included as a Central Sector Scheme in the Annual Plan of Ministry of Tribal Affairs in November 2014 ?
(a) Vanbandhu Kalyan Yojana (VKY)
(b) Rajiv Gandhi National Fellowship for ST Students
(c) Institutional Support for Development and Marketing of Tribal Product
(d) None of the above
85. South African cricketer AB de Villiers has hit the fastest century in ODI history on 18 January 2015 and broke whose previous record?
(A) Shahid Afridi (B) Corey Anderson (C) Sanath Jayasurya (D) Chris Gayle
86. Which bank was ranked at highest place among Indian banks in the list of the Top 50 Most Valued Global Banks (in terms of market capitalization) that was released by Bloomberg on 17 January 2015?
(A) ICICI Bank (B) SBI (C) Axis Bank (D) HDFC Bank
87. Who was on 19 January 2015 appointed chairperson of the censor board, days after Leela Samson resigned from the post?
(A) Pahlaj Nihalani (B) Ashoke Pandit (C) Chandra Prakash Dwivedi (D) Vani Tripathi Tikoo
88. Name the Union Social Justice Minister who on 16 January 2015 launched a scheme 'Venture Capital Fund for Scheduled Castes', under which members of the reserved community will be offered concessional finance to start new business ventures?
(A) Jual Oram (B) Prakash Javedkar (C) Thaawar Chand Gehlot (D) Maneka Gandhi
89. R K Tyagi who was recently conferred with 'JGBS-Top Rankers' Excellence Award for CEO of the year is the chairman of?
(A) Hindustan Aeronautics Limited (B) Indian Oil Corporation (C) Air India (D) Coal India Limited
90. Union Minister for Water Resources, River Development and Ganga Rejuvenation, Ms Uma Bharati on 17 January 2015 announced which year as 'Jal Kranti Varsh'?
(A) 2015-16 (B) 2016-17 (C) 2017-18 (D) 2018-19
91. Faten Hamama who died on 17 January 2015 is the Iconic actress from which country?
(A) Italy (B) Egypt (C) France (D) South Africa
92. Rajni Kothari who passed away on 19 January 2015 was an eminent?
(A) Film Director (B) Writer (C) Political scientist (D) Physicist
93. Which state government recently signed a pact with International Crop Research Institute for Semi-arid Tropics (ICRISAT) to provide assistance in making agriculture sustainable and profitable?
(A) Madhya Pradesh (B) Gujarat (C) Karnataka (D) Andhra Pradesh
94. Pankaj Advani recently won the seventh Senior National Billiards Championship. Where was the event held?
(A) Bengaluru (B) Kolkata (C) Dehradun (D) Mussoorie
95. Who amongst the following persons has been named Business Person of the Year 2014 by Fortune Magazine?
(a) Sergey Brin (b) Larry Page (c) Eric Schmidt
(d) Mark Zuckerber
96. To improve investment climate in India, the government has aligned the foreign direct investment policy with the upgraded NIC code. NIC stands for:
(a) National Investment Classification
(b) National Industrial Classification
(c) National Industrial Corporation
(d) None of the Above
97. Who have won National sub-junior Billiards title in January 2015?
(a) Ishpreet Singh Chadha (b) Suraj Rathi
(c) S Shrikrishna (d) Tanurag Gautam
98. GreenPHABLET; a low cost combination of phone and tablet, specially developed for use by smallholder farmers has been developed by:
(a) CSIR (b) ICRISAT (c) IARI (d) ICAR
99. India based Neutrino Observatory (INO) would be located in:

- (a) Kottayam, Kerala (b) Pottipuram, Tamil Nadu
(c) Nabha, Punjab (d) None of the above

100. Who amongst the following is not in the list of brand ambassadors for Swachh Bharat Campaign?

- (a) Pullela Gopichand (b) VVS Laxman
(c) SP Balasubrahmanyam (d) Irrfan Khan

GUPTA CLASSES