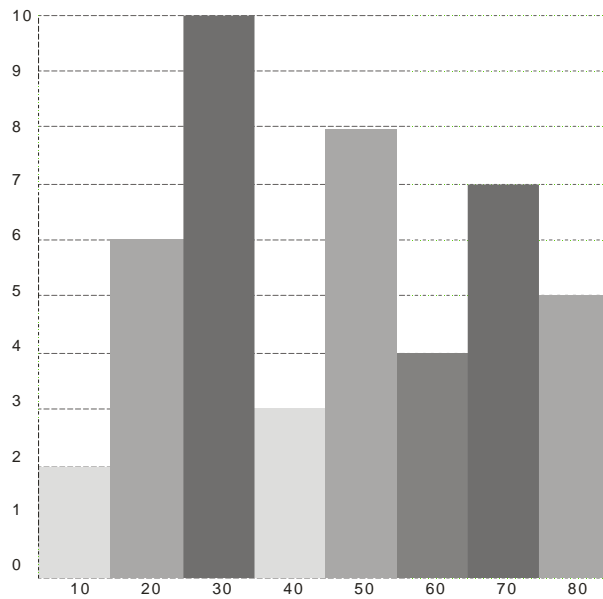


Model Questions - MBA
PART 1
DATA INTERPRETATION

Directions: The histogram shows the marks obtained by 45 students of a class. Look at the histogram and answer the questions 1 to 5.



1. If the pass mark is 30, what is the number of failures?
a) 2 b) 6 c) 18 d) 20
2. If the pass mark is 30, what is the percentage of successful students?
a) 75% b) 60% c) 50% d) 40%
3. How many students have obtained marks less than 10?
a) 2 b) 10 c) 1 d) 4
4. How many students have obtained 30 or more marks but less than 40?
a) 3 b) 4 c) 5 d) 6
5. How many students have obtained marks 50 and above?
a) 9 b) 10 c) 11 d) 16

Study the following table and answer question Nos.6 to 10 :

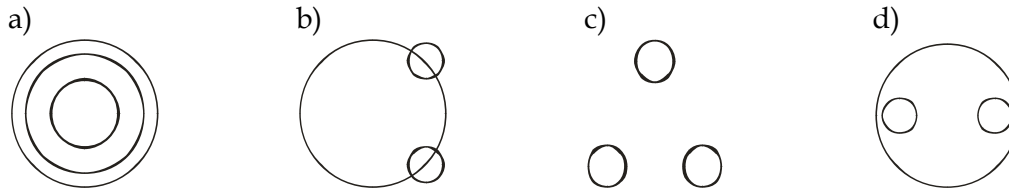
Number of candidates appeared and qualified a test (in hundreds) in six different years from five different zones:

Years	ZONES									
	P		Q		R		S		T	
	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.
2005	3.2	2.5	3.5	1.4	3.8	2.2	4.2	2.4	6.2	2.6
2006	4.6	3.4	6.9	4.2	6.9	4.4	7.4	3.3	6.2	4.8
2007	6.5	4.9	7.7	4.5	5.9	4.8	8.3	5.6	6.4	4.2
2008	7.4	5.7	5.4	3.4	7.2	3.2	9.3	6.4	7.8	6.2
2009	8.8	4.8	6.6	5.2	8.6	6.8	11.4	5.2	9.9	6.9
2010	9.2	5.6	10.6	6.4	10.3	7.4	14.2	11.4	11.8	9.4

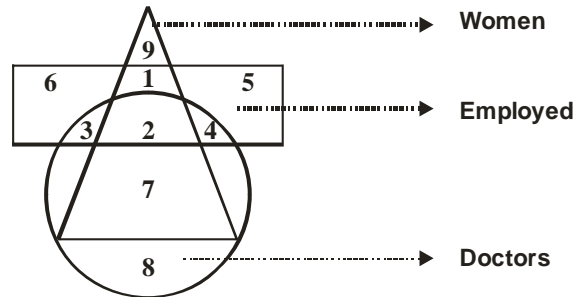
App. Appeared; Qual. Qualified.

6. In which year was in Zone S the difference between the appeared candidates and qualified candidates second lowest?
 - a) 2005
 - b) 2007
 - c) 2008
 - d) 2010.
7. Number of candidates qualified the test from Zone R in the year 2010 was approximately what percentage of the number of candidates appeared from Zone Q in the year 2008?
 - a) 152
 - b) 147
 - c) 137
 - d) 132
8. What was the average number of candidates appeared from Zone T over all the years together?
 - a) 810
 - b) 815
 - c) 825
 - d) 805
9. What was the respective ratio between the number of candidates appeared from Zone P in the year 2005 and the number of candidates qualified from Zone S in the year 2007?
 - a) 4:7
 - b) 4:9
 - c) 9:4
 - d) 8:13
10. From which zone was the total number of candidates who qualified the test, second highest in the year 2009 and 2010 together?
 - a) P
 - b) T
 - c) Q
 - d) R

11. Which one of the following Venn diagram represent the best relationship between snake, Lizard and Reptiles



12. In the following figure, which number represents the Women Doctors who are not employed?



- a) 7 b) 1 c) 3 d) 8

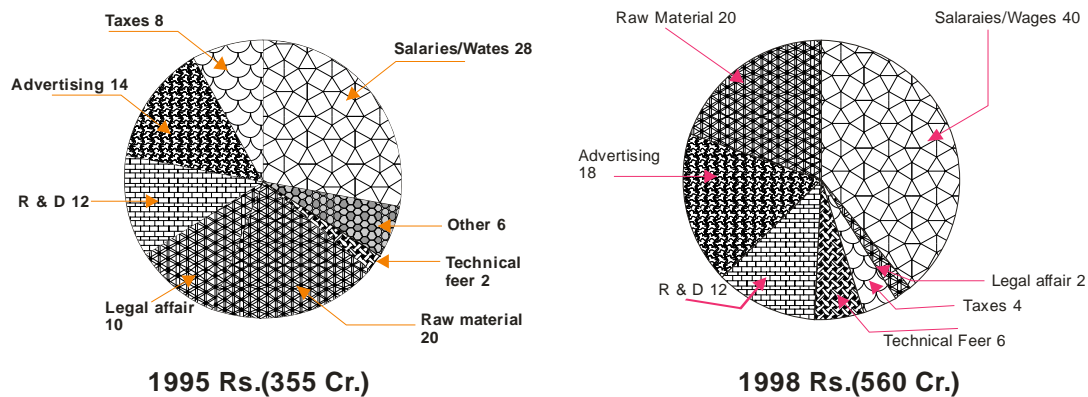
13. Rama left home and walked 5km southwards, turned right and walked 2 km and turned right and walked 5 km and turned left and walked 5 km. How many kilometers will he have to walk to reach his home straight?

- a) 5 b) 7 c) 17 d) 15

14. Four people A, B, C and D are on a ladder. A is further up the ladder than B. B is in between A and C. If D is still further than A, who is the second person from the bottom?

- a) D b) A c) C d) B

Please refer to the Pie chart given below and answer questions 15 to 18.



15. The amount spent on raw materials in 1998 was --% of the amount spent on ...

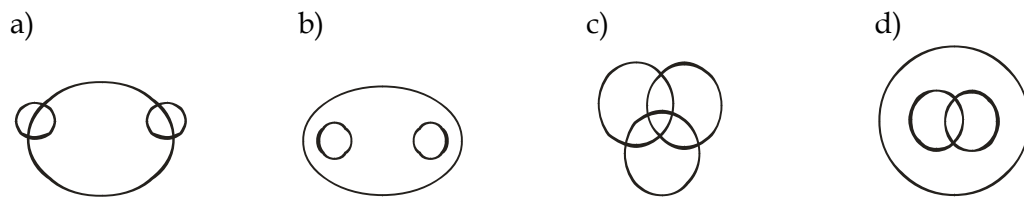
- a) 200, R & D in 1995 b) 103, salaries /wages in 1995
 c) 225, advertising/sp in 1995 d) 100 raw materials in 1995.

16. The amount spent on salaries and wages in 1995 was 140% of the amount spent on
- a) R & D in 1995
 b) Raw materials in 1995
 c) Advertising/SP in 1995
 d) Raw materials in 1998.
17. The fraction of total expenditure for 1995 and 1998 spent on legal affairs was about
- a) 0.01
 b) 0.12
 c) 0.05
 d) 0.5
18. The amount spent in 1998 on advertising is approximately equal to the amount spent on which of the following:
- (i) Salaries/wages in 1995
 (ii) Advertising ,R & D and technical fees in 1995
 (iii) One-third of salaries, waghes, R & D and taxes in 1998
 (iv) All of the above
 (v) None of the above

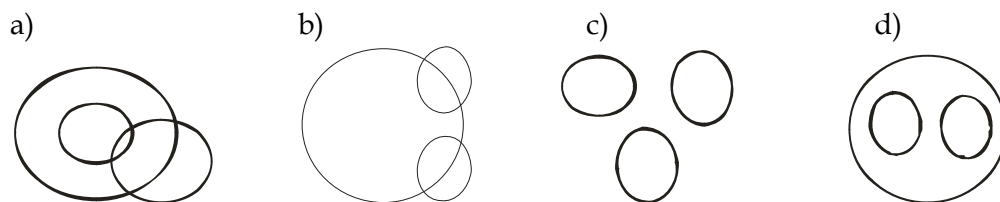
Choose the correct answer from below:

- a) Only
 b) I, II and III only
 c) IV only
 d) V

19. Which of the following diagrams indicates the best relation between profit, Dividend and Bonus?



20. Which of the following diagrams indicates the best relation between Women, Mothers and Engineers?



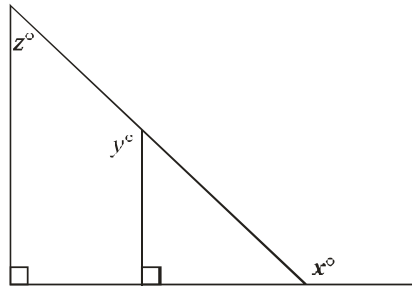
PART II QUANTITATIVE.

21. Ram deposited Rs.10,000 to open a new savings account that earned 4% annual interest, compounded quarterly. If there were no other transactions in the account, what will be the amount of money in Ram's account 6 months after the account was opened?
- a) Rs.10,100. b) Rs.10,101 c) Rs.10,201 d) Rs.10,416
22. A marketing firm determined that of 200 households surveyed, 80 used neither brand A nor brand B soap, 60 used only brand A soap, and for every household that used both brands of soap, 3 used only brand B soap. How many of the 200 households surveyed used both brands of soap?
- a) 20 b) 15 c) 40 d) 45
23. If a certain retail store's revenue in November was $\frac{2}{5}$ of its revenue in December and its revenue in January was $\frac{1}{4}$ of its revenue in November, then the store's revenue in December was how many times the average (arithmetic mean) of its revenues in November and January?
- a) $\frac{1}{4}$ b) $\frac{1}{2}$ c) 2 d) 4
24. If n is the product of the integers from 1 to 8, inclusive, how many different prime factors greater than 1 does n have?
- a) Four b) Five c) Seven d) Six.
25. A fruit vendor sells 50% of oranges he had bought and throws away 10% of the remainder. Next day he sells 40% of the remainder and throws away the rest. What percentage of his oranges does the vendor throw?
- a) 42 b) 32 c) 23 d) 37
26. A club collected exactly Rs.5990 from its members. If each member contributed at least Rs.120, what is the greatest number of members the club could have?
- a) 50 b) 43 c) 44 d) 49
27. Of the 3,600 employees of company X, $\frac{1}{3}$ are clerical. If the clerical staff were to be reduced by $\frac{1}{3}$, what percent of the total number of the remaining employees would then be clerical?
- a) 25% b) 20% c) $33\frac{1}{3}\%$ d) 12.5%
28. A tank contains 10,000 gallons of a solution that is 5% sodium chloride by volume. If 2,500 gallons of water evaporate from the tank, the remaining solution will be approximately what percent sodium chloride?
- a) 1.25% b) 6.67% c) 3.75% d) 6.25%
29. An empty pool being filled with water at a constant rate takes 8 hours to fill to $\frac{3}{5}$ of its capacity. How much more time will it take to finish filling the pool?
- a) 5 hours 30 mins b) 4 hours 48 mins c) 2 hours 40 mins d) 5 hours 20 mins

30. Of the final grades received by the students in a certain finance course, $\frac{1}{5}$ are A's, $\frac{1}{4}$ are B's, $\frac{1}{2}$ are C's, and the remaining 10 grades are D's. What is the number of the students in the course?
- a) 80 b) 200 c) 160 d) 400
31. The probability is $\frac{1}{2}$ that a certain coin will turn up heads on any given time. If the coin is to be tossed three times, what is the probability that on at least one of the tosses the coin will turn up tails?
- a) $\frac{7}{8}$ b) $\frac{1}{8}$ c) $\frac{1}{2}$ d) $\frac{15}{16}$
32. If $\frac{1}{2}$ of the air in a tank is removed with each stroke of a vacuum pump, what fraction of the original amount of air has been removed after 4 strokes?
- a) $\frac{7}{8}$ b) $\frac{15}{16}$ c) $\frac{1}{4}$ d) $\frac{1}{16}$
33. Car X and car Y traveled the same 80 k.m. route. If car X took 2 hours and car Y traveled at an average speed that was 50% faster than the average speed of car X, how many hours did it take car Y to travel the route?
- a) $\frac{2}{3}$ b) $1 - \frac{3}{5}$ c) 3 d) $1 - \frac{1}{3}$
34. If the average (arithmetic mean) of the four numbers K , $2K + 3$, $3K - 5$, and $5K + 1$ is 63, what is the value of K ?
- a) 23 b) 11 c) 22 d) $25 - \frac{3}{10}$
35. If $\frac{1}{2} + \frac{1}{3} + \frac{1}{4} = \frac{13}{x}$, which of the following must be an integer?
- I. $\frac{x}{8}$
 II. $\frac{x}{12}$
 III. $\frac{x}{24}$.
- a) I only b) II only c) III only d) I and III only
36. A store currently charges the same price for each towel that it sells. If the current price of each towel were to be increased by Re.1, 10 fewer of the towels could be bought for Rs.120, excluding sales tax. What is the current price of each towel?
- a) Rs.12 b) Rs.6 c) Rs.4 d) Rs.3

37. If the sum of n consecutive integers is 0, which of the following must be true?
- n is an even number
 - n is an odd number
 - the average (arithmetic mean) of the n integers is 0.
- a) I only b) II only c) III only d) II and III only
38. Drum X is $\frac{1}{2}$ full of oil and drum Y, which has twice the capacity of drum X, is $\frac{2}{3}$ full of oil. If all of the oil in drum X is poured into drum Y, then drum Y will be filled to what fraction of its capacity?
- a) $\frac{3}{4}$ b) $\frac{5}{6}$ c) $\frac{11}{12}$ d) $\frac{11}{6}$
39. Of the 50 researchers in a work group, 40% will be assigned to team A and the remaining 60% to team B. However, 70% of the researchers prefer team A and 30% prefer team B. What is the lowest possible number of researchers who will not be assigned to the team they prefer?
- a) 15 b) 17 c) 20 d) 25

40.

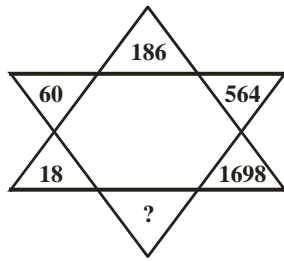


In the figure above if $z = 50$, then $x + y =$

- a) 230 b) 250 c) 260 d) 270

CRITICAL REASONING

41. Bala remembers that his father's birthday is between 13th and 16th of June whereas his sister remembers that their father's birthday is between 14th and 18th of June. On which day is their father's birthday, which they both agree?
- a) 14th June b) 15th June c) 16th June d) 17th June
42. If P is the husband of Q and R is the mother of S and Q, what is R to P?
- a) Mother b) Sister c) Aunt d) Mother-in-law
43. From the given alternative words, select the word which cannot be formed using the letters of the given word 'DETERMINATION'
- a) detention b) destination c) terminate d) dominate
- 44.



- a) 5100 b) 5052 c) 5094 d) 4860
45. Daily in the morning the shadow of pillar A falls on Pillar B and in the evening the shadow of Pillar B falls on pillar A exactly. So in which direction is Pillar A to Pillar B
- a) Eastern side b) Western side c) Northern side d) Southern side
46. Rama left home and walked 5km southwards, turned right and walked 2 km and turned right and walked 5 km and turned left and walked 5 km. How many kilometers will he have to walk to reach his home straight?
- a) 5 b) 17 c) 7 d) 15
47. Pointing out to a photograph, a man tells his friend 'She is the daughter of the only son of my father's wife.' How is the girl in the photograph related to the man?
- a) Daughter b) Cousin c) Mother d) Sister
48. In a group of 150 students, 70 took marketing, 80 took finance while 30 took none of them. How many took both marketing and finance?
- a) 20 b) 30 c) 50 d) 40
49. The sum of ages of a daughter and father is 56 years. After 4 years, the age of the father will be three times that of the daughter. Their ages are:
- a) 14, 42 b) 16, 40 c) 12, 44 d) 15, 41
50. A woman works continuously for 7 days in the kitchen and refuses to work on the 8th day when her husband takes over. If she starts her work on a Sunday, the 10th time she rests will be on which day of the week?
- a) Sunday b) Tuesday c) Monday d) Friday
51. Pointing to a man in the family photograph, a woman said, "the father of his brother is the only son of my grandfather". What is the woman's relationship to the man in the picture
- a) Aunt b) Mother c) Daughter d) Sister

Find the missing numbers:

52. 885, 870, 855, 840, -----.
- a) 835 b) 855 c) 825 d) 815

53. 11, 16, 23, 32, 43, ----

a) 56

b) 55

c) 57

d) 54

Read the following carefully and answer questions nos. 54 to 56

Six friends are sitting around a circular table at equal distance from each other. A is sitting two places right of B who is exactly opposite C. C is on immediate left of D, who is exactly opposite to E. F is also sitting at the table.

54. Who is the only person sitting between B and A?

a) F

b) C

c) D

d) E

55. A is not sitting at equal distance from

a) E and C

b) D and B

c) F and D

d) All of them above

56. B is sitting to the

a) Left of F

b) Right of E

c) Left of E

d) Right of C

PATTERN PERCEPTIONS
CHOOSE ANY 2 FROM MAT AIMA CMS

57. If A denotes \square
B denotes \square
C denotes +
D denotes -

Find the value of $12 B 10 A 6 C 10 D 8$:-

a) $120/8$

b) 22

c) $120/16$

d) 32

58. In this questions, the symbols are used as follows:

$A \square B$ means "Add B to A"

$A ? B$ means "Subtract B from A"

$A \square B$ means "Divides A by B"

$A \square B$ means "Multiply A by B"

A consulting firm involves its client by adding 20% of basic consulting fee as service charges, 12% of the basic consulting fee as service tax, and Rs.20000 as documentation charge. If the basic consulting fee for a client is S, which of the following is the final invoice value?

a) $S \square (S \square 20/100) \square (S \square 12) \square 100 \square 20000$

b) $S \square (S \square 20) 100 \square (S \square 12) \square 100 \square 20000$

c) $S \square (S \square 20) \square 100 \square (S \square 12) \square 100 \square 20000$

d) $S \square (s \square 20) 100 \square (S \square 12) 100 \square 20000$

59. In a certain code MEN is written as MIN and WOMEN is written as WUMIN. How will child be written in the same code?

a) CHOLD

b) CHELD

c) CHILD

d) CHALD

60. The word BODY is represented by APCZ. What will represent DELHI?

a) CFKHI

b) EFMIJ

c) CFKIH

d) CKFGH

It is said that the wandering nature of those tectonic plates is the prime cause of earthquakes. But there are three other imponderable possibilities that could well act as triggering factors which could conceivably cause earthquakes.

The first of those is emission from the sun. It is known that the strength and content of solar winds alter considerably, and wholly unpredictably. It is also known that they can produce considerable alterations in the chemical structures of our atmosphere, which in turn can have the effect of either accelerating, or, as a brake on the rotation of earth; and effect which, because it would be measurable in terms of only hundred a second, would be wholly undetected by many, but could have (or may have had in the past) an influence ranging from the considerable to the profound on the unanchored tectonic palate.

Secondly, there is a respected body of scientific opinion that holds that the external gravitational forces may exercise some influence. To find out whether these theories are right or wrong, scientists are waiting with considerable interest for the year 1982, when all the nine planets will be in alignment.

The third potential trigger is man. He has gratuitously and haphazardly, interfered with natural processes since the dawn of recorded time, and there appears no logical reason why he should not be exempt from his unwonted tinkering, from the realm of earthquakes. A species that is capable of prying into, and eventually exploiting the ultimate secrets of nature, and coming up with the hydrogen bomb is capable of anything. The man should consider the regulation of earthquakes, either by stages of triggering or inhibition is not a new idea. Experiments along these lines have already been carried out for peaceful purposes. Unfortunately (if inevitably) the idea has also occurred that the triggering of earthquakes might be an interesting innovation in the next nuclear war and, indeed, has occurred to such a marked extent that there already exists a multinational agreement, duly signed and solemnly sworn to prohibiting the use of nuclear weapons that could endanger the environment by causing such things as atmospheric pollution and the creation of total waves.

QUESTIONS:

61. Earthquakes are caused mainly by
- the structural deformation of earth's crust
 - the strength and content of solar winds
 - changes in the chemical structures fo the atmosphere
 - the unpredictable climate changes.
62. This passage was probably written
- a nuclear treaty
 - after an international conference of scientists
 - immediately after a major earthquake
 - by an English writer of the 20th century.
63. Which of the following is not implied in the passage?
- More often than not earthquakes are creations of human experiments
 - The author expresses his analytical view on earthquakes in the passage written in 1982
 - External gravitational pulls and sun play an important role creating shattering earthquakes

- d) Both a) and c)
64. Much can be done by man to check earthquakes by
- a) controlling the rotation of the earth
 - b) having a control over the gravitational forces
 - c) prohibiting the use of nuclear weapons
 - d) altering the strength and course of solar winds.
65. The chemical structure of our atmosphere can be altered by
- a) external gravitational forces
 - b) natural processes
 - c) by staged triggering
 - d) the strength and content of solar winds.
66. Man would definitely consider the regulation of earthquakes because
- a) he was exploiting the ultimate secrets of nature
 - b) he has interfered with the natural processes always
 - c) he was not regretful in bringing out the hydrogen bombs
 - d) none of the above
67. The scientists were anticipating
- a) the discovery of a brake on the rotation of earth
 - b) discovery of the hydrogen bomb
 - c) a multinational agreement
 - d) the time when all the nine planets will be in alignment
68. The chief cause of earthquake is
- a) the solar winds
 - b) the nuclear weapons
 - c) the wandering nature of tectonic plates
 - d) the atmospheric pollution.
69. The use of nuclear weapons is prohibited because
- a) it will cause a wholesale annihilation
 - b) it will cause pollution in the environment and tidal waves
 - c) the countries are afraid of destruction
 - d) none of the above.

EACH SENTENCE IS BROKEN INTO FOUR PARTS A,B,C,D. MARK THE PART WHICH HAS AN ERROR. IGNORE ERRORS OF PUNCTUATION.

70. a) Every man, woman
b) and child
c) in the house on fire
d) have been saved
71. a) One of the
b) best lawyers in town
c) have been

- d) hired
72. a) request you
b) kindly to
c) come to me
d) immediately.
73. a) To succeed in these tests
b) it is absolutely necessary
c) for us
d) to aim for speed and accuracy.
74. a) The depletion of ozone in the atmosphere
b) is a reminder for all of us
c) both in the developed and developing world
d) that they cannot continue to use contraptions which give out noxious gases.
75. a) A mixed economy
b) is it in which
c) the public sector
d) and the private sector co-exist.

Pick out the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.

76. Deepak will be able to speak Marathi well a year from now ----- he works hard.
a) through b) instead c) did d) provided
77. He was charged ----- a whole series of crimes.
a) for b) with c) by d) on
78. Dilip Kumar has ----- the film fare award for the best actor in several films.
a) admired b) snatched c) conferred d) received
79. The peasant refused to grovel ----- the feet of his master
a) on b) about c) upon d) at
80. It is dangerous to intrude ----- the enemy's camp.
a) in b) into c) on d) through

GENERAL KNOWLEDGE

81. Entomology is the science that studies
a) Behavior of human beings
b) Insects
c) The origin and history of technical and scientific terms.
d) The formation of rocks
82. Eritrea, which became the 182nd member of the UN in 1993, is in the continent of

- a) Asia b) Africa c) Europe d) Australia
83. FFC stands for
- a) Film Finance Corporation.
b) Foreign Finance Corporation
c) Federation of Football Council
d) Federation of Finance Corporation.
84. Each year World Red Cross and Red Crescent Day is celebrated on
- a) May 18 b) June 8 c) June 18 d) May 8
85. Famous sculptures depicting art of love built some time in 950 AD 1050AD are
- a) Jama Masjid b) Sun temple
c) Khajuraho temples d) Mahabalipuram temples.
86. DRDL stands for
- a) Defense Research and Development Laboratory.
b) Department of Research and Development Laboratory
c) Differential Research and Documentation Laboratory
d) None of the above.
87. Dr.Zakir Hussain was
- a) the first vice president of India
b) first president of Indian National Congress
c) the first muslim president of India
d) first speaker of Lok Sabha.
88. Economic goods are
- a) all commodities that are limited in quantity as compared to their demand
b) commodities that are available according to their demand
c) commodities that are available more as compared to their demand
d) commodities that are luxurious
89. India's first satellite is named after
- a) Bhaskara I b) Bhaskara II c) Albert Einstein d) Aryabatta
90. In UNO, the new members are admitted to the General Assembly on the recommendation of ----- and ----- the members of General Assembly should vote in favour.
- a) Security Council; two-third
b) Security Council; - one-third
c) International Court of Justice; two-third
d) International Court of Justice; one-third

a) Sportsmen b) Umpires c) Sports Editors d) Coaches

100. Where did the first ODI match was played in India?

a) New Delhi b) Ahmedabad c) Kolkata d) Mumbai

ANSWERS

DATA INTERPRETATION

1	C
2	B
3	A
4	A
5	D

6	B
7	C
8	D
9	A
10	B

11	D
12	A
13	B
14	D
15	C

16	B
17	C
18	C
19	B
20	D

QUANTITATIVE

21	C
22	B
23	D
24	A
25	B

26	D
27	A
28	B
29	D
30	B

31	A
32	B
33	D
34	A
35	B

36	D
37	D
38	C
39	A
40	D

REASONING

41	B
42	D
43	B
44	A
45	B

46	C
47	A
48	B
49	C
50	B

51	D
52	C
53	A
54	D
55	C

56	C
57	B
58	B
59	A
60	C

ENGLISH

61	A
62	C
63	B
64	C
65	D

66	B
67	D
68	C
69	A
70	D

71	C
72	B
73	D
74	D
75	B

76	D
77	B
78	D
79	D
80	B

GENERAL KNOWLEDGE

81	B
82	B
83	A
84	D
85	C

86	A
87	C
88	A
89	D
90	A

91	B
92	C
93	D
94	C
95	A

96	D
97	A
98	B
99	D
100	B