INFOSYS APTITUDE -TEST

WRITTEN TEST- SYLLABUS

SECTION-A: MATHEMATICAL AND CRITICAL THINKING (10 QUESTIONS -35MINUTES)

Topics: 1) Ration and proportion

2) Time, Distance and Speed

3) Time and work

4) Permutations and combinations

5) Probability

6) Profit and loss

7) Percentages

8) Crypt Arithmetic

9) Mensuration

10) Cube and Cuboids

SECTION-B: ANALYTICAL THINKING (15 QUESTIONS-25 MINUTES)

Topics: 1) Syllogism

2) Data interpretation

3) Data sufficiency

4) Puzzle test

5) Non- Verbal Reasoning

6) Coding and Decoding

7) Letter series, Classification and Analogy

8) Number series, classification and Analogy

9) Direction Test

SECTION-C: Verbal Ability (40QUESTIONS-25 MINUTES)

INFOSYS APTITUDE TEST -I

Questions: 25	**Time: 50 minutes**
All Questions carry one Mark Each	

SECTION-A: MATHEMATICAL AND CRITICAL THINKING (10 QUESTIONS -35MINUTES)

1. If WAIT + ALL = GIFTS; Then what is the value of G+I+F+T? (If A =6 & S=5)

   a) 11 b) 12 c) 15 d) 24

2. Abdul starts in a car from Ahmadabad towards Bangalore. After some time he realizes that he will cover only 75% of the distance in the scheduled time and he therefore doubles his speed immediately and thus manages to reach Bangalore exactly on time. Find the time after which Abdul changed his speed, given that he could have been late by 3 hours if he had not changed his speed:

   a) 3 h b) 4 h c) 5 h d) 6 h

3. A code word is to consist of two English alphabets followed by two distinct numbers between 1 and 9. For example, CA23 is a code word. How many such code words are there?

   a) 615800 b) 46800 c) 719500 d) 410800

4. If Rs. 58 is divided among 150 children such that each girl and each boy gets 25 p and 50 p respectively. Then how many girls are there?

   a)52 b) 54 c) 68 d) 62

5. In an entrance exam of 200 objective questions, a student can score 1 point for every correct answer, loss ¼ points for every wrong answer and loss 1/2 point for every unanswered question. If he attempts only 160 questions and he scores 100 points then the number of questions answered by him correctly is:

   a) 132 b) 126 c) 139 d) 128

6. In a bus stand, there are two services namely A and B. Every 10 minutes buses will leave from A and this service works from 6.10 am to 2 pm. The service at B starts at 2.20 pm and for every 20 minutes buses will leave from the bus stand. Find the probability of getting bus from service B between 2.20 pm to 2.50 pm, if service A is late by 1 hour.

   a) 1/2 b) 1/3 c) ¼ d) 1/5

7. There are two pipes in a tank. Pipe A is for filling the tank and pipe b is for emptying the tank. If A can fill the tank in 10 hours and b can empty the tank in 15 hours then find how many hours will it take to completely fill a half empty tank?

a)30 hours b) 15 hours c) 20 hours d) 33.33 hours

8. A man buys two cycles for a total cost of Rs.900. By selling one for 4/5 of its cost and other for 5/4 of its cost, he makes a profit of Rs.90 on the whole transaction. Find the cost price of lower priced cycle.

a)Rs. 360 b) Rs.250 c) Rs. 300 d) Rs. 420

9. Water tax is increased by 20% but its consumption is decreased by 20%. The increase or decrease in the expenditure is:

a)4% decrease b) 4% decrease c) 8% decrease d)8% increase

10. A cube, painted yellow on all faces is cut into 27 small cubes of equal size. How many small cubes are painted on one face only?

a)1 b) 6 c) 8 d) 12

SECTION-B: ANALYTICAL THINKING (15 QUESTIONS-25 MINUTES)

Directions for questions (1 to 5): In each question a set of six statements is given followed by four answer choices. Each of the answer choices has a combination of three statements from the given set of six statements. You are required to identify the answer choice in which the statements are logically related.

1. A: All green is blue B: All green is white c: All green is black
   D: All black is white E: All blue is yellow F: All blue is white
   a)ABF b) AEF c) CDB d) CBE

2. A: Pomfret is a fish B: Pomfret is not a fish C: Pomfret will not lay eggs
   D: Some fish lay eggs E: All fish lay eggs F: Pomfret may lay eggs.
   a)DFA b) ADF c) BDF d) EBC

3. A: All copper is metal B: All bronze is non-metal C: Some metal is silver
   D: Some metal is not silver E: No copper is bronze F: Some silver is not metal
   a)ABF b) ACB c) ABE d) CDA

4. A: Actors know English B: He does not know English C: He is an actor
   D: He is not an actor E: He knows Hindi F: He should know English
   a)ADB b) AEF c) DEA d) ACF

5. A: T may be A B: A is T C: T is G
   D: Some G are A E: G may be A F: No A is T
   a)CDA b) BCF c) DEF d) ACB

Directions (6-10) Study the following information carefully and answer the given questions.

Eight people S, R, N, L, M, T, O and P are sitting in a circle facing the centre. All eight belong in to different professions – reporter, doctor, teacher, accountant, shopkeeper, painter and supervisor. They are not necessarily seated in the mentioned order. M is sitting third to the left of O. The doctor is to the right of M and M is not a reporter. R is sitting fourth to the right of P. Neither R nor P is an immediate neighbor of M. T is a teacher and is sitting third to the right of the doctor. The shopkeeper is sitting second to the left of the teacher. The painter is sitting second to the left of M. S, the cricketer is sitting between M and P. The accountant is sitting second to the left of the cricketer. N is sitting third to the left of T.

6. Who is the Accountant?

a)R b) O c) L d) P

7. Who is sitting exactly opposite to reporter?

a)S b) P c) N d) L

8. Who is sitting immediate right of doctor?

a)M b) R c) O d) T

9. Which of the following is correct?

a)N-Accountant b) R- Reporter c) N-Doctor d) P-Doctor

10. Who is the fourth right of Doctor?

a)P b)L c)Cricketer d) Painter

Directions (11 to 15): Study the following table and answer the questions.

Number of Candidates Appeared and Qualified in a Competitive Examination from Different States Over the Years.

State	Year									
	1997		1998		1999		2000		2001	
	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	950	9500	1240	8700	980	9700	1200	8950	995
R	7800	870	7600	940	9800	1350	7600	945	7990	885

1. Total number of candidates qualified from all the states together in 1997 is approximately what percentage of the total number of candidates qualified from all the states together in 1998?

   A. 72% B. 77%

   C. 80% D. 83%

2. What is the average candidates who appeared from State Q during the given years?

   A. 8700 B. 8760

   C. 8990 D. 8920

3. In which of the given years the number of candidates appeared from State P has maximum percentage of qualified candidates?

   A.1997 C.1999

   B.1998 D.2001

4. What is the percentage of candidates qualified from State N for all the years together, over the candidates appeared from State N during all the years together?

   A. 12.36% B. 12.16%

   C. 11.47% D. 11.15%

5. The percentage of total number of qualified candidates to the total number of appeared candidates among all the five states in 1999 is?

   A. 11.49% B. 11.84%

   C. 12.21% D. 12.57%

INFOSYS APTITUDE - II

Questions: 25	Time: 50 minutes
All Questions carry one Mark Each	

SECTION-A: MATHEMATICAL AND CRITICAL THINKING (10 QUESTIONS -35MINUTES)

Directions (1 to 5): Study the following information carefully and answer the given questions.

There are eight sportspersons from different cities attending a seminar in Hyderabad. All of them sat around a circular table. Mr. Rajkumar from Kolhapur represented India in Table Tennis and is seated between sportspersons from Cricket and Ahmadabad. The kabaddi player is seated third to the player of Table Tennis. Ms. Kamala is a well- known cricket player and seated opposite to Ms. Kamilni, captain of India's kabaddi (women) team. The players of chess and Hockey are seated opposite to each other. Mr.Pankaj has come all the way to Hyderabad as he is interested to meet his friends, who are from Beach volley ball and hockey. Two women are seated next to each other. Mr. Prasad is a former captain of India's of Beach Volley Ball team and he is from Mahabalipuram. The sportspersons from Aurangabad and Kolhapur are seated next to the cricketer. Ms.Shanti is seated second left of Mr.Arjun, who is from Srirangam. Sportspersons from Gulbarga, Jabalpur and Ahmadabad are seated consecutively in the same order. The sportspersons from Jabalpur is a woman, who is interested Hockey. Mr.Kamalesh is seated second to the right of Cricketer.

The one who plays Handball is next to Ms.Shanti. The tennis player is third to the left of sportsperson from Kochi.

1. Who among the following is the player from Aurangabad?
   a)Ms.Shanti b) Ms. kamilini c) Ms. Kamala d) Mr. Pankaj
2. Identify the mismatch between the sportspersons and the sport with which they are associated.
   a)Mr. Prasad- beach volley ball c) Mr. kamlesh – Cricket
   b)Ms. Shanti- Hockey d) Ms. Kamilini – kabaddi
3. Who are the neighbors of chess player?
   a)Mr.Arjun and Ms.Shanti b) Mr.Arjun and Mr.Pankaj c) Mr. kamalesh and M
   d) Mr.Rajkumar and Ms.kamlini e) None of the above
4. The sportsperson participated from Hyderabad is…….
   a) Mr. Rajkumar b) Mr. Kamalesh c) Ms. Kamala d) Mr. Prasad e) None
5. Who is seated opposite to the player from Srirangam?
   a) Beach Volley Ball player b) hand ball player c) Chess player d) cricketer
   e) None of the above

6. If HOW + MUCH = POWER : then what is the value of P+O+W+E+R = ?
   a) 12 b) 14 c) 17 d) 20

7. A train travelling at 48 km/hr completely crosses another train having half its length and travelling in opposite direction at 42 kmph, in 12 seconds. It also passes a railway platform in 45 seconds. The length of the platform is:

a) 560 m b) 400 m c) 600 m d) 450 m

8. A can solve 90% of the problem gives in a book and B solve 70%. What is the probability that at least one of them will solve a problem selected at random from the book?

a) 3/100 b) 97/100 c) 83/100 d) 17/100

9. How many odd numbers less than 1000 can be formed using the digits0, 2, 5, 7? (Repetition of digits allowed)

a) 52 b) 32 c) 22 d) 42

10. Find the time between 5 and 6 o'clock when the two hands of clock are 6 minutes spaces apart.

a) 3 2/11 minutes past 5 o'clock b) 6 6/11 minutes past 5 o'clock

c) 20 8/11 minutes past 5 o'clock d) 4 2/11 minutes past 5 o'clock

SECTION-B: ANALYTICAL THINKING (15 QUESTIONS-25 MINUTES)

Directions(1 to 5) In each of the following questions, select one alternative in which the third statement is implied by the first two statements.

1. A) All elephants are wild, All lions are wild. So all lions are elephant

B) All mangoes are red, Some apples are mangoes. So, all apples are red

C) All roads are boxes. All foxes are roads. So, all boxes are foxes

D) All XYZ can run, All ABC are XYZ. So, all ABC can run.

2. A) All dogs are mad, All sick persons are mad. So ,all sick persons are dogs

B) All orange are black ,All figs are oranges. So, all figs are black

C) All windows are dogs, some doors are dogs. So, all windows are doors.

D) No man ca n fly, No kite can fly. So, all men are kites

3. A) All beautiful things are sad, she is beautiful. She is sad.

B) All nice things are flat. Tv s Are flat. Tv are nice things.

C) Potatoes are stems. All stems are fruits. Potatoes are fruits.

1) Only A 2) A and B 3) Only C 4) A and C

4. A) All pinks are purple. All purple are violet. All violate are pinks

B) No chord is scale. Some scales are minors. No chord is minor.

C) Some pollution are dusts. Some dusts are harmful. Some pollution are harmful.

D) No calcium is protein. All vitamins are calcium. No vitamin is protein.

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

5. A) All colours are walls. No wall is plain. No colour is plain

B) All sonic are cosmic. Some cosmic are superfast. All sonic are superfast.

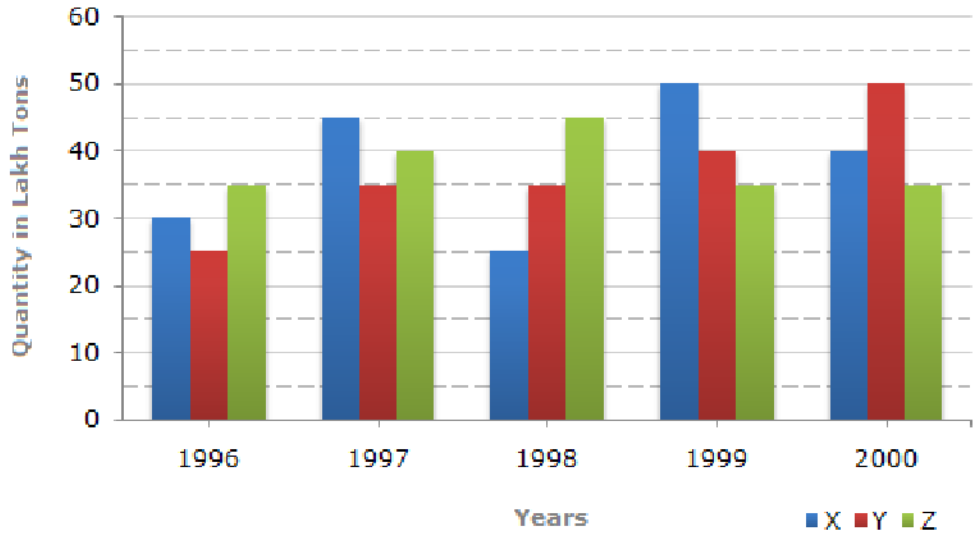
C) Every amount is refundable .Some amounts are retainable. Some refundable is retainable

D) No one is novice. Some novice is shrewd. Some shrewd is not one.

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

Directions The bar graph given below shows the data of the production of paper (in lakh tones) by three different companies X, Y and Z over the years.

Production of Paper (in lakh tones) by Three Companies X, Y and Z over the Years.



6. For which of the following years, the percentage rise/fall in production from the previous year is the maximum for Company Y?

A. 1997 **B.** 1998

C. 1999 **D.** 2000

7. What is the ratio of the average production of Company X in the period 1998-2000 to the average production of Company Y in the same period?

A. 1:1 **B.** 15:17

C. 23:25 D. 27:29

8. The average production for five years was maximum for which company?

A. X B. Y

C. Z D. X and Z both

9. In which year was the percentage of production of Company Z to the production of Company Y the maximum?

A. 1996 B. 1997

C. 1998 D. 1999

10. What is the percentage increase in the production of Company Y from 1996 to 1999?

A. 30% B. 45%

C. 50% D. 60%

Directions: (11- 15)

a. If the question can be answered with the help of statement (1) alone.
b. If the question can be answered with the help of statement (2) alone.
c. If the question can be answered with the help of both the statements, but not with help of either statement itself.
d. If the question cannot be answered with the help of both the given statements.
e. If the question can be answered with the help of either 1 or 2.

11. Which is the greatest among x,y and z?

1) X: Y: Z = 3:4:5

2) $XYZ - Y^2$ is positive integer.

12. P and Q are integers. Is Q even?

1) 4P + 6Q is even

2) 4p + 7Q is even

13. What was the cost price of the suitcase purchased by Richard?

1) Richard got 20% concession on the labeled price.

2) Richard sold the suitcase for Rs.2000 with 25% profit on the labeled price.

14. Average age of employees working in a department is 30 years. In the next year, ten workers will retire. What will be the average age in the next year?

1) Retirement age is 60 years.

2) There are 50 employees in the department.

15. What was the interest rate on a sum of money?

1) The sum fetched a total of Rs. 2522 as compound interest at the end of 3 years.

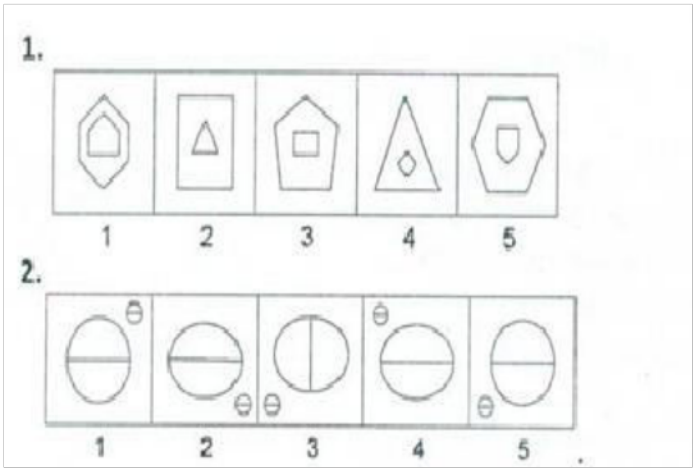
2) The difference between the simple and the compound interest at the end of 2 years at the same rate was Rs.40.

INFOSYS APTITUDE TEST-III

Questions: 30	**Time: 40 minutes**
All Questions carry one Mark Each	

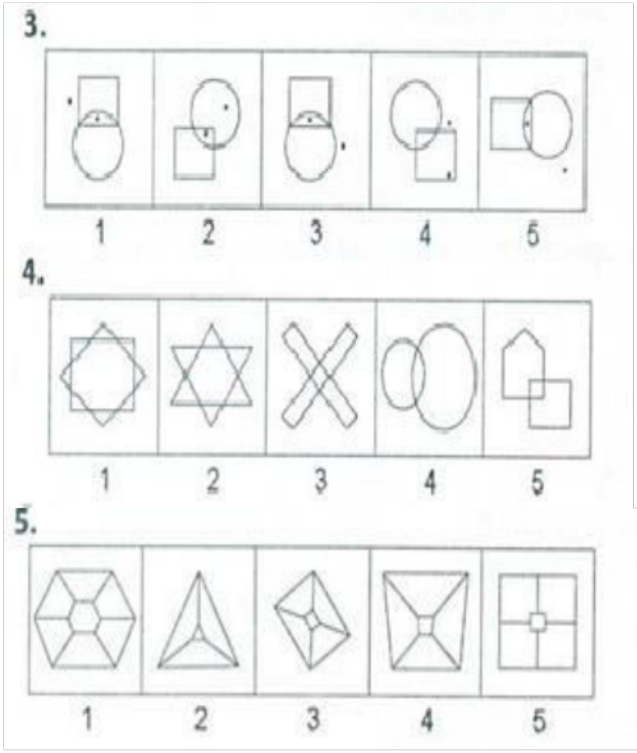
Directions: Out of the five figures 1,2,3,4 and 5 four are similar in a certain way and thus form a group. However one figure is not like the other four. Choose the figure which is different from others.

1.



2.

3.



4.

5.

Directions: read the following information and answer the questions based on them.

The seven basis symbols in a certain numerical system and their respective values are as follows:
I = 1, V = 5, X = 10, L = 50, C = 100, D = 500 and M = 1000
In general, the symbols in the numerical system are read from left to right, starting with symbols representing the largest value; the same symbol cannot occur continuously more than three times, the value of the numerical is the sum of the values of the symbols:
For example: XXVII = 10+10+5+1+1 = 27. An exception to the left to right reading occurs when a symbol is followed immediately by a symbol greater value; then, the smaller value is subtracted from the large. For example: XLVI = 50-10+5+1 = 46.

6. The value of the numerical MDCCLXXXVII is:
   a) 1687 b) 1787 c) 1887 d) 1987
7. The value of the numerical MCMXCIX is:
   a) 1999 b) 1899 c) 1989 d) 1889
8. Which of the following can represent the numerical for 1995?
   1. MCMLXXV 2. MCMXCV 3. MVD 4. MVM
   a) Only 1 and2 b) Only 3 and 4 c) Only 2 and 4 d) Only 4
9. What is the sum of the value the numerical MVD and MVM?
   a) 3420 b) 4490 c) 2490 d) 1490
10. Which of the following can represent the numerical for 2006?
    1. MMVI 2. MDDVI 3. MCDCDCCVI
    a) Only 1 b) Only 2 c) 1 and 2 only d) All the above

Directions: Each of the following problem has a question followed by two statements which are marked A and B. use the data given in A and B together or separately and mark,

a) If statement A alone is sufficient to answer the question.
b) If statement B alone is sufficient to answer the question.
c) If both the statements are together needed to answer the question but neither statement alone is sufficient.
d) If neither A nor B is sufficient to answer the question.
e) If either A alone or B alone is sufficient to answer the question.

11. Is Ram shorter than Ravi?
    A. Ram is not taller than Ravi.
    B. Ram and Ravi are not equal in height.
12. P, Q and R are three weights which are supposed to be equal. But one and only one of these is a false weight. Which weight is that?
    A. P is lighter than R.
    B. Q is lighter than either P or R (not both)
13. Has old paper (waste paper) gone up in price?

A. Everything that the grocer sells has gone up in price.

B. Old paper is something the grocer buys, not sells.

14. SSCHC is an outdoor game. Does DNAND like it?

A. DNAND is a sportsman.

B. There is no sportsman who does not like all outdoor games.

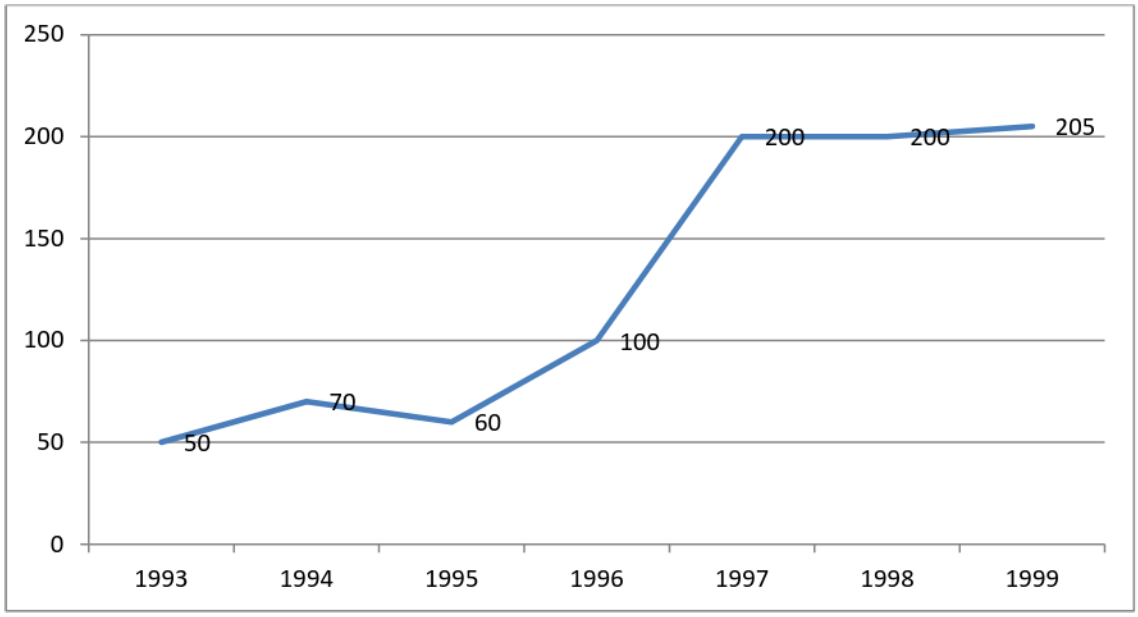
15. What is the breadth of the rectangle in cms?

A. If the breadth alone is doubled the area increased by 160 sq.units.

B. If the length alone is doubled, the perimeter increased by 40 units.

Directions: Study the following graph carefully and answer the question given below it.

Human Resource index of an Organization for the given years.



16. What is the percentage increase of human resource index from 1993 to 1999?

a) 250 b) 300 c) 275 d) None of these

17. The index in 1998 was what percent of that of 1996?

a) 100 b) 150 c) 200 d) None of these

18. Which of the following statement is true?

a) The index increased every year

b) The index showed many ups and downs

c) The index has made good progress over the years

d) Except for some spurts the index in general remained steady

19. In which year is the percentage increase the highest from its previous years?

a) 1994 b) 1999 c) 1996 d) None of these

20. What is the approximate average for the given years?

a) 100 b) 150 c) 140 d) 130

Directions: Read the following data and answer the questions

i) There are six neighbors- Mr. Sharma, Mr. Tendulkar, Mr.Dravid, Mr.Prasad, Mr.Johar, and Mr.Aiyar- living in triple-story building with six flats.
ii) Those who have four or more children occupy the top floor.
iii) The lawyer has a kelvinator fridge while the CA has Godrej.
iv) The ground floor occupants have a cheerful disposition.
v) Mr.Tendulkar, a cricketer, has three children.
vi) Mr.Dravid, an unmarried man, occupies the middle floor.
vii) Mr.Johar and Mr.Aiyar have gloomy dispositions while the rest are cheerful.
viii) Mr. Prasad, a middle floor occupant, owns a Voltas fridge.
ix) One of the two neighbors having two children owns a Videocon fridge and is a journalist.
x) Two neighbors, of whom one is a teacher, do not own a fridge.
xi) The teacher does not stay on the top floor.

21. Which fridge does Mr.Dravid own?
a) Godrej b) kelvinator c) Godrej or kelvinator d) No fridge

22. What is Mr. Prasad's Profession?
a) Teacher b) Lawyer c) Journalist d) can't say

23. Who among the following occupies the top floor?
a) Mr. Sharma b) Mr.Johar c) Mr.Dravid d) Mr. Prasad

24. How many children does Mr. Sharma have?
a) Three b) One c) two d) None

25. What is the least number of children possible in the entire building?
a) 9 b) 12 c) 15 d) 18

Directions: In each question a main statement is followed by four statements: A, B, c, D. Choose the ordered pair of statements where the first statement is implies the second, and the two statements are logically consistent with the main statement.

26. If A is in the room, b exits.
A. A is in the room
B. A is not in the room
C. B is in the room

D. B is not in the room

a) BD b) DC c) BC d) AD

27. Apple taste nice only when they are ripe

A. Apple is ripe

B. Apple is not ripe

C. Apple will taste nice

D. Apple will not taste nice

a) AC b) BD c) AD d) Both a and b

28. Opinder either does scanning or typing

A. Opinder does not scan

B. Opinder scans

C. Opinder types

D. Opinder does not types

a) BC b) AC c) CD d) AB

29. Either paresh or Ashu is a Zombie

A. Paresh is a Zombie

B. Ashu is a Zombie

C. paresh is not a Zombie

D. Ashu is not a Zombie

a) AC b) BD c) AB d) AD

30. All that glitters is gold

A: X glitter

B: X is not gold

C: X is gold

D: X does not glitter

a) CA b) AD c) BA d) BD

INFOSYS APTITUDE TEST -IV

Questions: 25	**Time: 50 minutes**
All Questions carry one Mark Each	

SECTION-A: MATHEMATICAL AND CRITICAL THINKING (10 QUESTIONS -35MINUTES)

Directions for questions 1 to 6: Select the correct alternative form the given choices.

1. Ravi was running a race and beats Raja by 10 seconds. Ravi in the same race beats Ramesh by 16 sec. If Ramesh finished the race in 196 sec, Raja finished it in.....
   a) 199 b) 190 c) 206 d) 212
2. There are two empty tanks of equal volume. One tap is fitted to each tank. Both taps are opened simultaneously. One tap fills at $2/7^{th}$ the rate of the other. If total volume of water filled after one hour is 360 litres, how much time does it take for the tank is filled at a lower rate to be filled with 360 litres of water?
   a) 6 hours b0 9 hours c) 4.5 hours d) 7.5 hours
3. A square is constructed with its side being equal to that of a rhombus of diagonals 20 cm and 48 cm. The square is then compressed along one diagonal such that there is no change in the length of the sides but the diagonal reduces to 13 cm. How many times the side of the square is the second diagonal of the rhombus formed?
   a) 8 b) $\sqrt{15}$ c) 4 d) $\sqrt{15}/2$
4. The ratio of the volumes of kerosene, petrol and diesel is 9:7:4 in one mixture and 5:14:11 in another mixture. If fifty litres of the first mixture is mixed with a certain quantity of the second mixture and the new mixture contains 35 litres of kerosene, then what will be the ratio of petrol to diesel in the new mixture?
   a) 5:7 b) 3:4 c) 4:3 d) 7:5
5. A circle is inscribed in a square. If the area of the circle is 616 cm^2, what is the area of the square not occupied by the circle? ($\pi = \frac{22}{7}$)
   a) 148 cm^2 b) 168 cm^2 c) 174 cm^2 d) 192 cm^2
6. There are five temples with a magical pond in front of them which doubles the number of items in it. Ram goes to the temple with some flowers and dips them in the pond to clean them. He finds that the number of flowers doubled. He places some of them in the first temple and again dips the remaining flowers in the pond. He repeats this process until he placed flowers in the last temple. He is left with no flower after placing the f lowers at the fifth temple. He finds that he placed equal number of flowers in all temples. If he initially had less than 50 flowers, how many did he place in each temple?
   a) 16 b) 24 c) 32 d) 64

Directions for questions 7 to 10: These questions are based on the following information.

Each of the three girls shravya, Sruthi and Shyamala has appeared for the Maths, Physics and Chemistry examinations. The sum of the marks scored in the three subjects by any one girl is 100. Further in each subject the marks of all the three girls put together is 100. They were given ranks 1 to 3 in each subject in the decreasing order of their marks in the subject. The following information is also known about their ranks and marks.

i) Shravya got equal marks in Maths and Chemistry, which is 4 less than her marks in Physics.
ii) Of all the girls, Shyamala's score of 37 marks in Chemistry is the highest which is more than the highest in Physics and also the highest in Maths.
iii) Sruthi scored more marks in physics than that scored by Shyamala in Maths.
iv) Except Shravya, no other girl scored same marks in any two subjects.
v) No two girls scored the same marks in any subject.
vi) Each girl got a different rank in each of the three subjects.

7. Who got third rank in Maths?
   a) Shravya b) Sruthi c) Shyamala d) Can't be determined
8. What is the highest marks scored in Maths among these three girls?
   a) 32 b) 33 c) 34 d) 35
9. What is the least score of any of the three girls in any of the three subjects?
   a) 29 b) 30 c) 31 d) 28
10. Which of the following statement is true?
   a) Sruthi scored more marks in Chemistry than the marks scored by Shyamala in Physics.
   b) Sruthi scored more marks in Chemistry than that scored by Shravya in Maths.
   c) Shyamala scored more marks in Maths than that scored by Shravya in Physics.
   d) Shyamala scored more marks in Physics than that scored by Sruthi in Chemistry.

SECTION-B: ANALYTICAL THINKING (15 QUESTIONS-25 MINUTES)

Directions: The questions given below have four groups of three statements each. Read the statements in each group carefully and identify the group/groups where the third statement logically follows the first two statements in the group.

11. A) All books are copies. All copies are papers. All books are papers.
    B) All cubes are squares. All cubes are triangles. All triangles are squares.
    C) All singers are dancers. All dancers are musicians. All musicians are singers.
    D) No cock is hen. All hens are chickens. No hen is chicken.
    a) Only D b) Only A c) Only B and C d) Only A and D
12. A) Some journals are magazines. Some magazines are periodic. Some journals are periodic.
    B) Some horror is ghost. All ghosts are faints. Some horror faints.
    C) All scientists are researchers. All researchers are professors. Some professors are scientists.

D) Many baggages are luggages. All luggages are packages. Some Packages are not baggaages.

a) Only B, C and D b) Only B and C c) Only A and D d) Only B

13. A) Many fountains are cascades. No waterfall is fountain. Some cascades are not waterfalls.

B) No bag is pack. No pack is jack. No jack is bag.

C) No good is bad. All bad is not good. Some good is not bad.

D) Scale is ruler. No ruler is pointer. No pointer is scale.

a) Only A b) Only D c) Only A and D d) Only C and D

14. A) No esthetic is an atheist. Some esthetics are monotheists. Some monotheists are not polytheists.

B) All sentences are words. No word does not have meaning. Some which do not have meanings are not sentences.

C) No river is sea. Some seas are oceans. Some oceans are not rivers.

D) No MMTS is MRTS. All public transports are MRTS. No public transport is MMTS.

a) Only B, C and D b) Only C and D c) Only A and B d) Only B and C

15. A) All elephants are wild. All lions are wild. So all lions are elephant

B) All mangoes are red. Some apples are mangoes. So, all apples are red

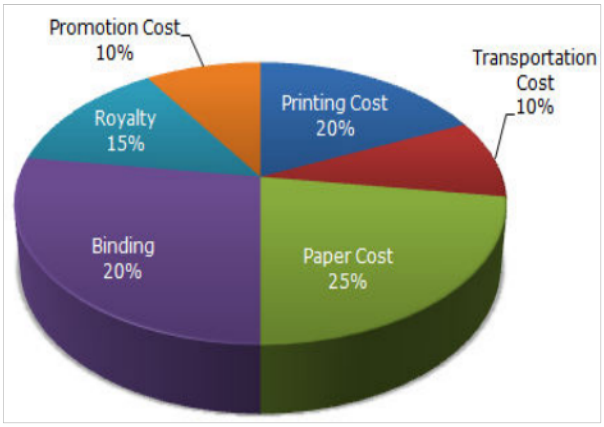
C) All roads are boxes. All foxes are roads. So, all boxes are foxes

D) All XYZ can run. All ABC are XYZ. So, all ABC can run.

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

Directions: The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it.

Various Expenditures (in percentage) Incurred in Publishing a Book



16. If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be amount of royalty to be paid for these books?

A.Rs. 19,450 B. Rs. 21,200

C.Rs. 22,950 D.Rs. 26,150

17. What is the central angle of the sector corresponding to the expenditure incurred on Royalty?

A.15º B.24º
C.54º D.48º

18. The price of the book is marked 20% above the C.P. If the marked price of the book is Rs. 180, then what is the cost of the paper used in a single copy of the book?

A.Rs. 36 B.Rs. 37.50
C.Rs. 42 D.Rs. 44.25

19. If 5500 copies are published and the transportation cost on them amounts to Rs. 82500, then what should be the selling price of the book so that the publisher can earn a profit of 25%?

A.Rs. 187.50 B.Rs. 191.50
C.Rs. 175 D.Rs. 180

20. Royalty on the book is less than the printing cost by:

A.5% B.$33\frac{1}{5}\%$
C.20% D.25%

Directions: Each question is followed by two statements A and b giving certain data. Answer each question using the following instructions.

Choose (a): If the question can be answered by using statement A alone but not by using B alone.

Choose (b): If the question can be answered by using statement B alone but not by using A alone.

Choose (c): If the question can be answered by using either statement alone.

Choose (d): If the question can be answered by using both the statements together but not by either statement alone.

Choose (e): If the question can be answered by using neither statement A or B alone.

21. How many parking spaces are occupied in a certain parking lot?

A: There are 100 unoccupied parking spaces.

B: If 10 more parking spaces were occupied, 15 percent of the parking spaces would be unoccupied.

22. Dinesh bought some kiwifruit and jackfruit for a total of Rs. 150, find the number of kiwis he bought.

A: When the number of kiwifruits and jackfruit bought are interchanged, the total expenditure of Dinesh becomes Rs. 140.

B: The cost of each kiwifruit is Rs. 17 and that of each jackfruit is Rs.12

23. Is Y divisible by 26?

A: when Y is divided by 13, it leaves 6 as the remainder.

B: When Y is divided by 39, it leaves 26 as the remainder.

24. Is the greatest of three consecutive integers odd?

A: The product of three integers is 0.

B: The sum of the three integers is 0.

25. A teacher wanted to organize a group of students into some teams of seven members for a quiz competition. Will she be able to make six such teams?

A: If five new students join the group, she can make seven such teams, with no students left without being included in the team.

B: If nine students leave, she can make at most five such terms, with no student left.

INFOSYS APTITUDE TEST -V

Questions: 25	**Time: 50 minutes**
All Questions carry one Mark Each	

SECTION-A: MATHEMATICAL AND CRITICAL THINKING (10 QUESTIONS -35MINUTES)

Direction: These questions are based on the following information.

P P Q
X Q R S
.....
S T U
R R V
Q Q R
.....
Q W R R U
.....

1. Find the value of P?
   a) 2 b) 3 c) 4 d) 0
2. Find the value of S?
   a) 5 b) 6 c) 3 d) 8
3. Find the alphabet whose value is equal to T+Q.
   a) W b) S c) U d) V

4. A machine P can print one lakh books in 8 hours, machine Q can print the same number of books in 10 hours while machine R can print them in 12 hours. All the machines are started at 9.00 am, while machine P is closed at 11.00 am and the remaining two machines complete work. Approximately at what time will the work (to print one lakh books) be finished?
   a) 11.00 am b) 12.00 pm c) 1.00 pm d) 2.00pm
5. Two containers of milk contain mixtures of water and milk in ratio 5:4 and 7:9. In what ratio they should be mixed so that mixture is of 6:6 ratios?
   a) 6:5 b) 7:5 c) 8:9 d. 9:8
6. What is the difference between compound interest on Rs.3000 for 2 years at 5% P.a. When interest is compounded yearly and compound interest on the same sum and same terms except that it is compounded half yearly?

a) Rs.3.93 b) Rs.30 c) Rs.15.3 d) Rs.41.28

7. If Thursday was the day after the day before yesterday five days ago, what is the least number of days ago when Sunday was three days before the day after tomorrow?
a) Five days ago b) Two days ago c) Four days ago d)Three days ago.

Directions: These questions are based on the following information.

i) P,Q,R,S,T and U are travelling in a bus.

ii) There are two reporters, two technicians, one photographer and one writer in the group.

iii) The photographer P is married to S who is a reporter.

iv) The writer is married to Q who is of the same profession as that of U.

v) P,R,Q,S are two married couples and nobody in the group has same profession.

vi) U is brother of R

8. How is R related to U?
a) Brother b) Sister c) Mother d)Uncle e) Brother

9. Which of the following is a pair of reporters?
a) ST b) PQ c) RT d) SU e) Can't be definitely said

10. Which of the following is a pair of husband?
a) PR b) QS c) PQ d) QR e) PR

SECTION-B: ANALYTICAL THINKING (15 QUESTIONS-25 MINUTES)

Directions: Two statements are followed by four conclusions numbered I, II, III, IV. Take the first two statements to be true even if they are at variance with commonly – known facts. The statements are followed by conclusions which are themselves followed by answer – choices. Mark the answer –choice which correctly points out which of the conclusion follow.

1. Statements: 1.All green are blue 2.All blue are white
Conclusions: I) some blue are green.
II) Some white are green.
III) Some green are white.
IV) All white are blue.
a) Only I and II follow b) Only II and III follow c)Only I and III follow d) Only I and IV follow

2. Statements: 1) Some boxes are cars 2) Some cars roads
Conclusions: I) some roads are boxes
II) Some cars are boxes
III) No box is a road
IV) Some roads are cars.

a) Only II and III follow b) Only I and IV follow c)Only either III or Iv , and I and II follow

d) Only II and IV follow e) None of these

3. Statements: 1) No fruit is a tree 2) All trees are stones
Conclusions: I) No stone is a fruit
II) No tree is a fruit
III) Some stones are trees
IV) Some stones are fruits

c) Only II and III follow b) Either I or IV and II follow c)Either I or III and IV follow
d) d) Only I and III follow

4. Statements: 1) All cups are plates 2) All plates are tables
Conclusions: I) All cups are tables
II) All tables are cups
III) Some tables are cups
IV) Some tables are plates

a)All follow b) Only I,III and IV follow c)Only II,III and IV follow d) Only I and IV follow

5. Statements: 1) All cats are dogs 2) All dogs are horses 3) All horses are donkeys

Conclusions: I) Some dogs are cats

II) Some horses are not dogs

III) All cats are donkeys

IV) Some donkeys are cats

a)Only I and II follow b) Only II and IV follow c)All of these follows d) None of these follows

6. If the word TRADE is coded as XVEHI, then how the word PUBLIC should be coded?

a) TYFMPG b) TYFPMG c) SXLLOP d) SXEOLF

7. In a certain code PORTUGESE is written as ESEGUTROP, then MALAYALAM will be written in the same code as:

a) MALAYALAM b) MALAYALAM c) MALAYALM d) MALAYLAM

8. BXJ, ETL, HPN, KLP, ?

a) PHR b) NIR c) NHR d) MHR

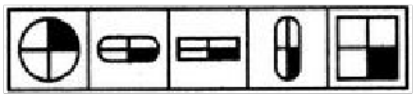
9. 37, 47, 58, ? , 79, 95

a) 69 b) 68 c) 67 d) 71

10. 99 : 79 :: 24 : ?

a) 1 b) 13 c) 9 d) 9

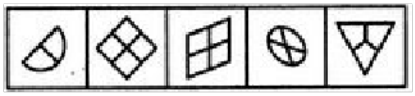
Directions (11- 15): Out of the five figures 1,2,3,4 and 5 four are similar in a certain way and thus form a group. However one figure is not like the other four. Choose the figure which is different from others.

11. 

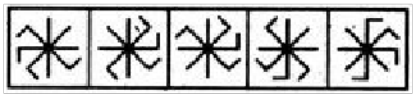
a)1 b)2 c)3 d)4 d)5

12. 

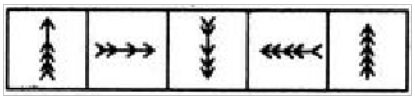
a)1 b)2 c)3 d)4 d)5

13. 

a)1 b)2 c)3 d)4 d)5

14. 

a)1 b)2 c)3 d)4 d)5

15. 

a)1 b)2 c)3 d)4 d)5