

Airtel Model Paper Questions

1. There are 20 balls which are red, blue or green. If 7 balls are green and the sum of red balls and green balls is less than 13, at most how many red balls are there?

A. 4

B. 5

C. 6

D. 7

Answer: B

2. If n is the sum of two consecutive odd integers and less than 100, what is greatest possibility of n ?

A. 98

B. 94

C. 96

D. 99

Answer : C

3. There are 4 boxes colored red, yellow, green and blue. If 2 boxes are selected, how many combinations are there for at least one green box or one red box to be selected?

A. 1

B . 6

C. 9

D. 5

Answer: D

4. All faces of a cube with an eight - meter edge are painted red. If the cube is cut into smaller cubes with a two - meter edge, how many of the two meter cubes have paint on exactly one face?

A. 24

B. 36

C. 60

D. 48

Answer : A

5. Two cyclists begin training on an oval racecourse at the same time. The professional cyclist completes each lap in 4 minutes; the novice takes 6 minutes to complete each lap. How many minutes after the start will both cyclists pass at exactly the same spot where they began to cycle?

A. 10

B. 8

C. 14

D. 12

Answer: D

6. M, N, O and P are all different individuals; M is the daughter of N; N is the son of O; O is the father of P; Among the following statements, which one is true?

- A. M is the daughter of P
- B. If B is the daughter of N, then M and B are sisters
- C. If C is the granddaughter of O, then C and M are sisters
- D. P and N are brothers.

Answer: B

7. In the adjoining diagram, ABCD and EFGH are squares of side 1 unit such that they intersect in a square of diagonal length $(CE) = \frac{1}{2}$. The total area covered by the squares is

- A. Cannot be found from the information
- B. $1 \frac{1}{2}$
- C. $1 \frac{7}{8}$
- D. None of these

Answer: C

8. There are 10 stepping stones numbered 1 to 10 as shown at the side. A fly jumps from the first stone as follows; Every minute it jumps to the 4th stone from where it started - that is from 1st it would go to 5th and from 5th it would go to 9th and from 9th it would go to 3rd etc. Where would the fly be at the 60th minute if it starts at 1?

A. 1

B. 5

C. 4

D. 9

Answer : A

9. A, B, C and D go for a picnic. When A stands on a weighing machine, B also climbs on, and the weight shown was 132 kg. When B stands, C also climbs on, and the machine shows 130 kg. Similarly the weight of C and D is found as 102 kg and that of B and D is 116 kg. What is D's weight

A. 58kg

B. 78 kg

C. 44 kg

D. None

Answer : C

10. Roy is now 4 years older than Erik and half of that amount older than Iris. If in 2 years, Roy will be twice as old as Erik, then in 2 years what would be Roy's age multiplied by Iris's age?

A. 28

B. 48

C. 50

D. 52

Answer: B

11. A drawer holds 4 red hats and 4 blue hats. What is the probability of getting exactly three red hats or exactly three blue hats when taking out 4 hats randomly out of the drawer and immediately returning every hat to the drawer before taking out the next?

A. $1/2$

B. $1/8$

C. $1/4$

D. $3/8$

Answer: B

12. Tim and Elan are 90 km from each other. they start to move each other simultaneously tim at speed 10 and elan 5 kmph. If every hour they double their speed what is the distance that Tim will pass until he meet Elan

A. 45

B. 60

C. 20

D. 80

Answer: B

13. A father purchases dress for his three daughter. The dresses are of same color but of different size .the dress is kept in dark room .What is the probability that all the three will not choose their own dress.

A. $\frac{2}{3}$

B. $\frac{1}{3}$

C. $\frac{1}{6}$

D. $\frac{1}{9}$

Answer: B

14. Given the following information, who is youngest?

C is younger than A; A is taller than B

C is older than B; C is younger than D

B is taller than C; A is older than D

A. D

B. B

C. C

D. A

Answer: B

15. she has great love and affection _____ her grandmother.

A. for

B. from

C. with

D. to

Ans... A

16. but there is more _____Argentina's red wines than Malbec only.

A. in

B. to

C. from

D. at

Ans... B

17. opaque glass is the kind of material_____which you cannot see.

A. into

B. through

C. from

D. between

Ans... B

choose the word nearest in meaning

18. 25 paise coins are fast becoming.. obsolete.

A. smaller

B. older

C. rare

D. outdated

Ans... D

19. the only evidence was a pice of crumpled paper lying in a cornor.

A. torn

B. burnt

C. wrinkled

D. dirty

Ans... C

20. his plans started going awry the moment he began his journey to Nagaland.

A. well

B. smoothly

C. wrong

D. slowly

Ans... C

fill in blank with article.

21. the Brahmaputra rises in the Himalayas in _____ Tibet.

A. a

B. an

C. the

d. no article need

Ans... D

22. it is suspect that _____colleague committed the murder.

A. a

B. an

C. the

D. no article need

Ans... A

23. _____ ice-pick was used for the murder.

A. a

B. an.

C. the

D. no article need

Ans... B

24. it was no dout _____stupidity to admit her into our gang

A. a

B. an

C. the

D. no article need.

Ans... A

25. A 5 litre jug contains 4 litres of a salt water solution that is 15 percent salt. If 1.5 litres of the solution spills out of the jug, and the jug is then filled to capacity with water, approximately what percent of the resulting solution in the jug is salt?

(A) 7.5%

(B) 9.5%

(C) 10.5%

(D) 12%

(E) 15%

1. If the following numbers are rewritten by interchanging the digits in ten's place and hundred's place and then arranging them in the descending order. What will be the second digit of the newly formed fifth number from your right ?

479, 736, 895, 978, 389, 675

- (A) 3
- (B) 4 (C) 5
- (D) 6

Ans : (C)

2. P is 60 m South-East of Q. R is 60 m North-East of Q. Then R is in which direction of P ?

- (A) North
- (B) North-East
- (C) South
- (D) South- East

Ans : (A)

Directions: (Q. 3-5) Read the following information for answering the questions that follow. On a playing ground A, B, C, D and E are standing as described below facing the North.

- (i) B is 50 metres to the right of D.
- (ii) A is 60 metres to the South of B
- (iii) C is 40 metres to the West of D.
- (iv) E is 80 metres to the North of A.

3. If a boy walks from C, meets D followed by B, A and then E, how many metres has he walked if he has travelled the straight distance all through ?

- (A) 120
- (B) 150
- (C) 170
- (D) 230

Ans : (D)

4. What is the minimum distance (in metre approximately) between C and E?

- (A) 53
- (B) 78
- (C) 92
- (D) 120

Ans : (C)

5. Who is to the South-East of the person who is to the left of D ?

- (A) A
- (B) B
- (C) C
- (D) E

Ans : (A)

6. A man was walking in the evening just before the sun set. His wife said that, his shadow fell on his right. If the wife was walking in the opposite direction of the man, then which direction the wife was facing ?

- (A) North
- (B) West

- (C) South
(D) East
Ans : (C)

Directions: (Q. 7-11) In each of the following questions choose the set of numbers from the four alternative sets that is similar to the given set.

7. Given set : (4, 9, 18)

- (A) (8, 14, 22)
(B) (10, 15, 25)
(C) (6, 12, 23)
(D) (12, 17, 26)

Ans : (D)

8. Given set : (10, 14, 17)

- (A) (4, 11, 14)
(B) (9, 12,
(C) (8, 13, 18)
(D) (6, 9, 12)

Ans : (A)

9. Given set : (7, 27, 55)

- (A) (21, 35, 52)
(B) (18, 42, 65)
(C) (16, 40, 72)
(D) (13, 30, 58)

Ans : (C)

10. Given set : (39, 28, 19)

- (A) (84, 67, 52)
(B) (52, 25, 17)
(C) (70, 49, 36)
(D) (65, 45, 21)

Ans : (A)

11. Given set : (246, 257, 358)

- (A) (233, 343, 345)
(B) (273, 365, 367)
(C) (143, 226, 237)
(D) (145, 235, 325)

Ans : (A)

Directions: (Q. 12-16) Each question contains six or seven statements followed by four sets of combinations of three. Choose the set in which the statements are logically related.

12.

- (1) All books are having pages.
(2) All kings are having pages.
(3) All kings are books.

- (B) 4, 2, 6
(C) 1, 5, 3
(D) 2, 4, 5

Ans : (B)

Directions: (Q. 17-21) Each of the questions below consists of a question and two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Give answers]

- (A) If the data in statement (I) alone are sufficient to answer the question, while the data in statement (II) alone are not sufficient to answer the question;
- (B) If the data in statement (II) alone are sufficient to answer the question, while the data in statement (I) alone are not sufficient to answer the questions;
- (C) If the data even in both statements (I) and (II) together are not sufficient to answer the question;
- (D) If the data in both statement (I) and (II) together are necessary to answer the question.

17. In which direction is Mahatma's statue facing ?

- I. The statue is towards the northern end of the city.
- II. The statue's shadow falls towards East at 5 O'clock in the evening.

Ans : (C)

18. What is the total number of pupils in the final year class ?

- I. The number of boys in the final year class is twice as much as the number of girls in that class.
- II. The sum of the ages of all the pupils in the class is 399 years and their average age is 19 years.

Ans : (B)

19. Who is the tallest among A, B, C and D ?

- I. A is taller than C.
- II. B is taller than C and D.

Ans : (C)

20. How many Sundays are there in a particular month of a particular year?

- I. The month begins on Monday.
- II. The month ends on Wednesday.

Ans : (D)

21. What is the total number of pages in this book ?

- I. I counted 132 pages from the beginning of this book.
- II. My wife counted 138 pages starting from the end of the same book.

Ans : (C)

Directions: (Q. 22-26) In each of the questions given below, there is a statement followed by three assumptions numbered I, II and III. An assumption is something supposed or taken for granted. You have to consider the statement and assumptions and then decide, which of the assumption(s) is/are implicit in the statement.

22. Statement : During pre-harvest kharif seasons, the government has decided to release vast quantity of foodgrains from FCI.

Assumptions : I. There may be a shortage of foodgrains in the market during this season.

II. The kharif crop may be able to replenish the stock of FCI.

III. There may be a demand from the farmers to procure kharif crop immediately after harvest.

(A) None is implicit

(B) Only I and II are implicit (C) Only II and III are implicit (D) All are implicit

Ans : (D)

23. Statement : To improve the employment situation in India, there is a need to recast the present educational system towards implementation of scientific discoveries in daily life.

Assumptions :I. The students after completing such education may be able to earn their livelihood.

II. This may bring meaning of education in the minds of the youth.

III. The state may earn more revenue as more and more people will engage themselves in self employment.

(A) Only I and II are implicit

(B) Only III is implicit

(C) Only I and III are implicit

(D) None is implicit

Ans : (A)

24. Statement : To increase profit, the oil exporting countries decided to reduce the production of crude by 5 million barrels per day. Assumptions :I. The price of crude may increase due to less production. II. The demand of crude may remain same in future.

III. Other countries may continue buying crude from these countries. (A) All are implicit

(B) Only II and III are implicit (C) Only I and II are implicit (D) None is implicit

Ans : (C)

25. Statement : □ We do not want you to see our product on newspaper, visit our shop to get a full view. □ □ an advertisement.

Assumptions :I. People generally decide to purchase any product after seeing the name in the advertisement.

II. Uncommon appeal may attract the customers. III. People may come to see the product.

(A) All are implicit

(B) None is implicit

(C) Only II and III are implicit

(D) Only I and II are implicit

Ans : (A)

26. Statement : The Reserve Bank of India has directed the banks to refuse fresh loans to major defaulters.

Assumptions :I. The banks may still give loans to the defaulters.

II. The defaulters may repay the earlier loan to get fresh loan.

III. The banks may recover the bad loans through such harsh measures.

(A) All are implicit

(B) None is implicit

(C) Both II and III are implicit

(D) Both I and II are implicit

Ans : (C)

Directions : (Q. 27-31) In questions given below, statements 1 and 2 are followed by conclusions I and II. Taking the statements to be right although they may seem at variance with commonly accepted facts, mark your answers as under

(A) If only conclusion I follows.

(B) If only conclusion II follows.

(C) If both I and II follows.

(D) Neither I nor II follows.

27. Statements :

1. All hands are machines.

2. All machines are wheels.

Conclusions :I. All wheels are hands.

II. All hands are wheels.

Ans : (B)

28. Statements :

1. Some buds are leaves.
2. Some leaves are red. Conclusions :
- I. Some buds are red.
- II. Some leaves are not buds.

Ans : (B)

29. Statements :

1. Some stones are shells.
2. All shells are pearls.

Conclusions :

- I. Some stones are pearls.
- II. All pearls are shells.

Ans : (A)

30. Statements :

1. Brown is red and blue is green.
2. Green is pink and yellow is red. Conclusions :
- I. Yellow is brown.
- II. Pink is blue.

Ans : (C)

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Airtel Previous Paper Questions

1. A club consists of members whose ages are in A.P. The common difference being 3 months. If the youngest member of the club is just 7 years old and the sum of the ages of all the members is 250, then number of members in the club are:

A. 18

B. 20

C. 25

D. 24

2. 21 pencils and 29 pens cost Rs 79. But if the number of pencils and pens were interchanged, the cost would have reduced by Rs 8. Find the cost of each pen.

A. Re 1

B. Re 2

C. Re 3

D. Re 4

3. A person buys 18 local tickets for Rs 110. Each first class ticket costs Rs 10 and each second class ticket costs Rs 3. What will another lot of 18 tickets in which the numbers of first class and second class tickets are interchanged cost?

A.112

B.118

C.121

D.124

4. Students of a class are made to stand in rows. If 4 students are extra in each row, there would be 2 rows less. If 4 students are less in each row, there would be 4 more rows. The number of students in the class is:

A.90

B.94

C.92

D.96

5. Large, medium and small ships are used to bring water. 4 large ships carry as much water as 7 small ships. 3 medium ships carry the same amount of water as large ship and 1 small ship, 15 large, 7 medium and 14 small ships, each made 36 journey and brought a certain quantity of water. In how many journeys would 12 large, 14 medium and 21 small ships bring the same quantity?

A.32

B.29

C.49

D.25

6. How many differently shaped triangles exist in which no two sides are of the same length, each side is of integral unit length and the perimeter of the triangle is less than 14 units?

A.3

B.4

C.5

D.6

7.If Dennis is $\frac{1}{3}$ rd the age of his father Keith now, and was $\frac{1}{4}$ th the age of his father 5 year ago, then how old will his father Keith be 5 year from now?

A.45 year

B.40 year

C.55 year

D.50 year

8.Mahesh visited his cousin Akash during the summer vacation. In the mornings, they both would go for swimming. In the evenings, they would play tennis. They would engage in at most one activity per day, i.e. either they went swimming or played tennis each day. There were days when they took rest and stayed home all day long. There were 32 mornings when they did nothing, 18 evenings when they stayed at home, and a total of 28 days when they swam or played tennis. What duration of the summer vacation did Mahesh stay with Akash?

A.46 days

B.36 days

C.39 days

D.58 days

9.A farmer has decided to build a wire fence along one straight side of his property. For this, he planned to place several fence posts at 6m intervals, with posts fixed at both ends of the side. After he bought the posts and wire, he found that the number of posts he had bought was 5 less than required. However, he discovered that the number of posts he had bought would be just sufficient if he spaced them 8m apart. What is the length of the side of his property and how many posts did he buy?

A.100m, 15

B.100m, 16

C.120m, 15

D.120m, 16

10.In a factory, each day the expected number of accidents is related to the number of overtime hour by linear equation. Suppose that on one day there were 1000 overtime hours logged and 8 accidents reported and on another day there were 400 overtime hours logged and 5 accidents. What is the expected number of accidents when no overtime hours are logged?

A.2

B.3

C.4

D.5

11. Abhishek had a certain number of Re1 coins, Rs 2 coins and Rs 10 coins. If the number of Re 1 coins he had is six times the number of Rs 2 coins Abhishek had, and the total worth of his coins is Rs 160, find the maximum number of Rs 10 coins Abhishek could have had.

A.12

B.10

C.8

D.6

12. In a family of husband, wife and a daughter, the sum of the husband's age, twice the wife's age, and thrice the daughter's age is 85; while the sum of twice the husband's age, four times the wife's age, and six times the daughter's age is 170. It is also given that the sum of five times the husband's age, ten times the wife's age and fifteen times the daughter's age equals 450. The number of possible solutions, in terms of the ages of the husband, wife and the daughter, to this problem is:

A.0

B.1

C.2

D. Infinitely many

13. There are 2 men, 3 women and 1 child in Pradeep's family and 1 man, 1 woman and 2 children in Prabhats family. The recommended calorie requirement is- Men: 2400, Women: 1900, Children: 1800 and for proteins is: Men: 55 gm, Woman: 45 gm, children: 33 gm. Calculate the total requirement of calories and proteins for each of the two families.

A.A: 12300, 278; B: 7900, 166

B.A: 12400, 300; B: 8000, 167

C.A: 12300, 278; B: 6600, 200

D.A: 8000, 278; B: 7900, 166

14. The currencies in countries X and Y are denoted by Xs. and Ys. respectively. The exchange rate in 1990 was 1 Xs. = 0.6 Ys. The price level in 2006 in X and Y are 150 and 400 respectively with 1990 as a base of 100. The exchange rate in 2006, based solely on this purchasing power parity consideration, is 1 Xs. =

A.0.225 Ys.

B.0.625 Ys.

C.1.6 Ys.

D.3.6 Ys.

15.A group of 630 children is arranged in rows for a group photograph session. Each row contains three fewer children than the row in front of it. What number of rows is not possible?

A.3

B.4

C.5

D.6

16.A transport agency has 5 carriers, each of capacity 15 tonnes. The carriers are scheduled such that the first carrier makes a trip every day, the second carrier makes a trip every second. The third makes a trip every third day and so on. Find the maximum number of times in a year that it is possible to dispatch a total shipment of 75 tonnes in a single day. The operation starts

on the 7th January 2010 and continue till the end of the year (31st December 2010) without any holiday.

A.7

B.6

C.5

D.821.

17. A number of three digits in base 7, when expressed in base 9, has its digits reversed in the order. What is the sum of the digits of the number?

A.5

B.6

C.7

D.8

18. When the index of an exponential expression with a positive base is doubled, then the expression increases by 700%. If one of the values that the base cannot have is X which of the following is not a possible value of P?

A.4

B.8

C.5

D.1

19. Three persons Suresh, Devesh and Prashant were born on different days in the same year. If the date and month of birth of Suresh, Devesh and Prashant are numerically equal, then what could be the minimum difference in the ages of youngest and oldest in days?

A.56

B.60

C.61

D.62

20. N persons stand on the circumference of a circle at distinct points. Each possible pair of persons, not standing next to each other, sings a two-minute song one pair after the other. If the total time taken for singing is 28 minutes, what is N ?

A.5

B.7

C.9

D.4

21. The sum of the reciprocals of the ages of two colleagues is five times the difference of the reciprocals of their ages. If the ratio of the products of their ages to the sum of their ages is $14.4 : 1$, the age (in years) of one of the colleagues must be between (both inclusive).

A.20 and 23

B.23 and 26

C.26 and 30

D.30 and 35

22. A man buys Bank's cash certificates every year for a value exceeding the last year's purchase by Rs 400. After 24 years, he finds that the total value of the certificate purchased by him is Rs 144,000. What is the value of the certificates purchased by him in the 13th year?

A. Rs 3820

B. Rs 5400

C. Rs 6200

D. Rs 4530