

Infosys Test 3

1

A man bought a horse and a cart. If he sold the horse at 10 % loss and the cart at 20 % gain, he would not lose anything; but if he sold the horse at 5% loss and the cart at 5% gain, he would lose Rs. 10 in the bargain. The amount paid

by him was Rs. _____ for the horse and Rs. _____ for the cart.

- a) 400,200
- b) 200,400
- c) 500,300
- d) 300,500

Explanation:

Let x be the cost price of the horse and y be the cost price of the cart.

In the first sale there is no loss or profit. (i.e.) The loss obtained is equal to the gain.

Therefore $(10/100) * x = (20/100) * y$

$$X = 2 * y \text{ -----(1)}$$

In the second sale, he lost Rs. 10. (i.e.) The loss is greater than the profit by

Rs. 10.

Therefore $(5 / 100) * x = (5 / 100) * y + 10 \text{ -----(2)}$

Substituting (1) in (2) we get

$$(10 / 100) * y = (5 / 100) * y + 10$$

$$(5 / 100) * y = 10$$

$$y = 200$$

$$\text{From (1) } 2 * 200 = x = 400$$

2

Five farmers have 7, 9, 11, 13 & 14 apple trees, respectively in their orchards. Last year, each of them discovered that every tree in their own orchard bore exactly the same number of apples. Further, if the third farmer gives one apple to the first, and the fifth gives three to each of the second and the fourth, they would all have exactly the same number of apples. What were the yields per tree in the orchards of the third and fourth farmers?

- a) 12,10
- b) 11,9
- c) 13,12
- d) 6,14

Explanation:

Let a, b, c, d & e be the total number of apples bored per year in A, B, C, D & E 's orchard. Given that $a + 1 = b + 3 = c - 1 = d + 3 = e - 6$

But the question is to find the number of apples bored per tree in C and D 's orchard. If is enough to consider $c - 1 = d + 3$.

Since the number of trees in C's orchard is 11 and that of D's orchard is 13. Let x and y be the number of apples bored per tree in C & d 's orchard respectively.

Therefore $11x - 1 = 13y + 3$

By trial and error method, we get the value for x and y as 11 and 9

3

.A tennis marker is trying to put together a team of four players for a tennis tournament out of seven available. males - a, b and c; females - m, n, o and p

. All players are of equal ability and there must be at least two males in the team. For a team of four, all players must be able to play with each other under the following restrictions:

b should not play with m,

c should not play with p, and

a should not play with o.

Which of the following statements must be false?

1. b and p cannot be selected together

2. c and o cannot be selected together

3. c and n cannot be selected together

()a)1

()b)3

()c)2

()d)none of the above

Explanation:

Since inclusion of any male player will reject a female from the team.

Since there should be four member in the team and only three males are available, the girl, n should included in the team always irrespective of others selection

4

Five boys were climbing a hill. J was following H. R was just ahead of G. K was between G & H. They were climbing up in a column. Who was the second?

- a)k
- b)H
- c)G

Explanation:

The order in which they are climbing is R - G - K - H - J

5

Answer 9-13

1. Ashland is north of East Liverpool and west of Coshocton.
2. Bowling green is north of Ashland and west of Fredericktown.
3. Dover is south and east of Ashland.
4. East Liverpool is north of Fredericktown and east of Dover.
5. Fredericktown is north of Dover and west of Ashland.
6. Coshocton is south of Fredericktown and west of Dover.

Which of the towns mentioned is furthest of the north - west?.

- (a) Ashland
- (b) Bowling green
- (c) Coshocton
- (d) East Liverpool
- (e) Fredericktown

6

Which of the following must be both north and east of Fredericktown?

- (a) Ashland
- (b) Coshocton
- (c) East Liverpool

7

Which of the following towns must be situated both south and west of at least

one other town?

- A. Ashland only
- B. Ashland and Fredericktown
- C. Dover and Fredericktown

- D. Dover, Coshocton and Fredericktown
- E. Coshocton, Dover and East Liverpool.

8

Which of the following statements, if true, would make the information in the numbered statements more specific?

- (a) Coshocton is north of Dover.
- (b) East Liverpool is north of Dover
- (c) Ashland is east of Bowling green.
- (d) Coshocton is east of Fredericktown
- (e) Bowling green is north of Fredericktown

9

Which of the numbered statements gives information that can be deduced from one or more of the other statements?

- A.1
- B.2
- C.3
- D.4
- E.6

10

Eight friends Harsha, Fakis, Balaji, Eswar, Dhinesh, Chandra, Geetha, and Ahmed are sitting in a circle facing the center. Balaji is sitting between Geetha and Dhinesh. Harsha is third to the left of Balaji and second to the right of Ahmed. Chandra is sitting between Ahmed and Geetha and Balaji and Eshwar are not sitting opposite to each other. Who is third to the left of Dhinesh?

- a)Chandra
- b)geetha
- c)eswar
- d)fakis

11

If every alternative letter starting from B of the English alphabet is written in small letter, rest all are written in capital letters, how the month " September" be written?.

- a) SeptEMbEr
- b) SEpTeMBER
- c) SeptembeR
- d) SepteMber
- e) None of the above.

Explanation:

Since every alternative letter starting from B of the English alphabet is

written in small letter, the letters written in small letter are b, d, f...

In the first two answers the letter E is written in both small & capital

letters, so they are not the correct answers. But in third and fourth answers the

letter is written in small letter instead capital letter, so they are not the answer

12

The length of the side of a square is represented by $x+2$. The length of the side of an equilateral triangle is $2x$. If the square and the equilateral triangle have equal perimeter, then the value of x is _____.

a) 4

b) 5

c) 6

d) 8

Explanation:

Since the side of the square is $x + 2$, its perimeter = $4(x + 2) = 4x + 8$

Since the side of the equilateral triangle is $2x$, its perimeter = $3 * 2x = 6x$

Also, the perimeters of both are equal.

(i.e.) $4x + 8 = 6x$

$x = 4$. (i.e.) $2x = 8$

13

It takes Mr. Karthik y hours to complete typing a manuscript. After 2 hours, he was called away. What fractional part of the assignment was left incomplete?

a) $(y-2)/y$

b) $5(y-2)/y$

c) $3(y-2)/y$

d) $6(y-2)/y$

Explanation:

To type a manuscript karthik took y hours.

Therefore his speed in typing = $1/y$.

He was called away after 2 hours of typing.

Therefore the work completed = $1/y * 2$.

Therefore the remaining work to be completed = $1 - 2/y$.

(i.e.) work to be completed = $(y-2)/y$

14

Which of the following is larger than $3/5$?

- a) $1/2$
- b) $39/50$
- c) $59/100$
- d) $3/10$

15

The number that does not have a reciprocal is _____.

- a) 2
- b) 1
- c) 9
- d) 3

Explanation:

One is the only number exists without reciprocal because the reciprocal of one is one itself.

16

There are 3 persons Sudhir, Arvind, and Gauri. Sudhir lent cars to Arvind and Gauri as many as they had already.

After some time Arvind gave as many cars to Sudhir and Gauri as many as they have. After sometime Gauri did the same thing. At the end of this transaction each one of them had 24. Find the cars each originally had.

- a) 39,21,12
- b) 38,22,11
- c) 30,23,17
- d) 32,27,19

Explanation:

Sudhir Arvind Gauri

Finally 24 24 24

Before Gauri's transaction 12 12 48

Before Arvind's transaction 6 42 24

Before Sudhir's transaction 39 21 12

17

John and David each received a salary increase. Which one received the greater dollar

increase?

(1) John's salary increased 8 percent.

(2) David's salary increased 5 percent.

- a) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
 b) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
 c) BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
 d) EACH statement ALONE is sufficient.
 e) Statements (1) and (2) TOGETHER are NOT sufficient.

Explanation:

In (1) there is no information about David's salary and in (2) there is no information about John's salary; thus neither statement alone is sufficient, and the answer must be the third or fifth choice. Since (1) and (2) together give only the percentage increases in salary, it cannot be determined which person received the greater dollar increase.

Therefore, (1) and (2) together are not sufficient, and the best answer is the last choice.

18

The symbol ∇ represents one of the following operations: addition, subtraction, multiplication, or division. What is the value of $3 \nabla 2$?

(1) $0 \nabla 1 = 1$

(2) $1 \nabla 0 = 1$

- a) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
 b) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
 c) BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
 d) EACH statement ALONE is sufficient.
 e) Statements (1) and (2) TOGETHER are NOT sufficient.

Explanation:

Since $0 + 1 = 1$, $0 - 1 = -1$, $0 \times 1 = 0$, and $0 \div 1 = 0$, it follows from (1) that ∇ represents addition, so the value of $3 \nabla 2$ can be determined. Hence, (1) alone is sufficient.

Since $1 + 0 = 1$, $1 - 0 = 1$, $1 \times 0 = 0$, and $1 \div 0$ is undefined, it follows from (2) that ∇ could represent either addition or subtraction, so that $3 \nabla 2$ could equal 5 or 1. Thus, (2) alone is not sufficient.

The best answer is the first choice

19

If MADRAS is coded as NBESBT. How is BOMBAY coded in that code?

- (a) CPNCPX
 (b) CPNCBZ
 (c) CPOCBZ

(d) CQOCBZ

Explanation:

Now you can see that in the above example each letter in the word MADRAS is moved one step forward to obtain the corresponding letter of the code. M is coded as N, A is coded as B and so on.

M A D R A S

N B E S B T

So code for

B O M B A Y is

C P N C B Z

Likewise code may be moved one step backward also.

20

If T A P is coded as S Z O Then code: F R E E Z E

(a) D R B B Y Z

(b) E Q D D Y D

(c) E Z E E R Z

(d) O Q E B B S

Explanation:

letters may be moved alternately one step forward & one step backward or vice - versa.

Order of letters may be reversed.

21

Statements: All the poets are goats. Some goats are trees.

•1. Some poets are trees.

2. Some trees are goats.

(a) Only (1) conclusion follows

(b) Only (2) conclusion follows

(c) Either (1) or (2) follows

(d) Neither (1) nor (2) follows

(e) Both (1) and (2) follow

22

Statements: Some mangoes are yellow. Tixo is a mango.

Conclusions:

•1. Some mangoes are green.

2. Tixo is a yellow

(a) Only (1) conclusion follows

- b) Only (2) conclusion follows
- c) Either (1) or (2) follows
- d) Neither (1) nor (2) follows
- e) Both (1) and (2) follow

23

Statements: Some ants are parrots. All the parrots are apples. **Conclusions:**

- 1. All the apples are parrots.
- 2. Some ants are apples.
- a) Only (1) conclusion follows
- b) Only (2) conclusion follows
- c) Either (1) or (2) follows
- d) Neither (1) nor (2) follows
- e) Both (1) and (2) follow

24

Verbal ability

Arrange the words given below in a meaningful sequence

- 1. Key 2. Door 3. Lock
- 4. Room 5. Switch on
- a) 5, 1, 2, 4, 3
- b) 4, 2, 1, 5, 3
- c) 1, 3, 2, 4, 5
- d) 1, 2, 3, 5, 4

25

Arrange the words given below in a meaningful sequence.

- 1. Word 2. Paragraph 3. Sentence
- 4. Letters 5. Phrase
- a) 4, 1, 5, 2, 3
- b) 4, 1, 3, 5, 2
- c) 4, 2, 5, 1, 3
- d) 4, 1, 5, 3, 2

26

- 1. Police 2. Punishment 3. Crime
- 4. Judge 5. Judgement

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

27

1. Family 2. Community 3. Member
4. Locality 5. Country

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

28

Passage 1

The object underlying the rules of natural justice "is to prevent miscarriage of justice" and as pointed out earlier the requirement about recording of reasons for its decision by an administrative judicial functions achieves his object by excluding changes of arbitrariness and ensuring a degree of decision making. Keeping in view the expanding horizon of the principle of natural justice which applies to administrative authorities. The rules of natural justice are not embodied rules. The extent of the principle is particularly statutory framework where under jurisdiction has been conferred on the administrative authority exercise of particular power by an administrative authority including exercise of judicial or quasi-judicial functions, while conferring the said power, may feel that it would not be in the larger public interest to order passed by the administrative authority be recorded in the order and be communicated to the affected person. To dispense with such a requirement.

"The rules of the natural justice are not embodied rules" means that these rules.

- A. are left deliberately vague
- B. cannot be satisfactorily interpreted
- C. are flexible
- D. cannot be visualised

29

From the passage it is clear that it is the legislature that

- A. invests the administrative authority with enormous powers
- B. embodies rules
- C. has the larger interests of public welfare
- D. leaves administrative authority enough discretion to interpret rules

30

According to the passage, there is always a gap between

- A.rules of natural justice and their application
- B.conception of a rule and its concretisation
- C.demand for natural justice and its realisation
- D.intention and execution

31

"To dispense with a requirement" means

- A.to do without the demand
- B.to drop the charge
- C.to cancel all formal procedure
- D.to alter the provisions of the case

32

According to the passage, natural justice can be brought about by

- A.administrative authority remaining vigilant
- B.administrative authority upholding rules of natural justice
- C.administrative authority farming rules suitably
- D.administrative authority observing the rules of fair play

33

PASSAGE 2

Courage is not only the basis of virtue; it is its expression. faith, hope, charity and all the rest of virtues require courage to exercise them. There are roughly two types of courage. the first an emotional state of fearlessness in the face of death, is physical courage. The second, more reasoning attitude which enables him to take cool and deliberate decisions about the future or his judgement of what he thinks either right or worthwhile, is moral courage.

I have known many men, who had marked physical courage, but lacked moral courage. Some of them were great in themselves because they lacked moral courage. On the other hand I have known many men who possessed moral courage but were very cautious about taking physical risks. But I have never known a man who couldn't, when it was really necessary, face a situation boldly.

A man of courage is

- a.Cunning
- b.Intelligent
- c.Curious
- d.careful

34

Physical courage is an expression of

- a.emotions
- b.deliberation
- c.uncertainty
- d.defiance

35

A man with moral courage can

- a.defy his enemies
- b.overcome all difficulties
- c.face a situation boldly
- d.face a situation boldly

36

People with physical courage of ten lack

- mental balance
- capacity for reasoning
- emotional stability
- will to fight

37

All virtues become meaningful because of

- a.Faith
- b.charity
- c.courage
- d.hope

38

a). DIRECTIONS for Sentence Correction questions: This question presents a sentence, part of which or all of which is underlined

b). The first of these repeat the original; the other four are different. If you think the original is best, choose the first answer; otherwise choose one of the others.

c). Beneath the sentence you will find five ways of phrasing the underlined part.

d). These questions test correctness and effectiveness of expression

- A) abcd
- B) acdb
- C) acbd

D) adcb

39

- a) One example of this trend is Baltimore's Harbor place, a stunning waterfront complex of one hundred shops set in glass pavilions.
- b) For years now, critics of United States cities have pictured city centers as empty places, devoid of life.
- c) Fortunately, a recent trend in urban development is making some cities lively.
- d) Not long ago, Baltimore's dockland 5 area, like clock areas in other older cities, was a collection of abandoned warehouses

A) bcad

B) bacd

C) bcda

D) dacb

40

- a) With the development of modern theoretical astrophysics, astronomers are able to explain data collected by early observers and to amass data about previously unknown phenomena in extragalactic optical astronomy.
- b) In certain cases it is possible, by 5 application of known physical laws, to make theoretical predictions that are subject to observational tests.
- c) Despite our lack of understanding of these new phenomena, the data is being used for a variety of purposes.
- d) The prediction of neutron stars is a classic example of the use of this type of theory for purposes of prediction.

A) adcb

B) acbd

C) bcad

D) abcd

41

- a) The issue of women, art, and feminism has been most urgently raised by a number of women artists
- b) One particular approach has suggested that some sort of female aesthetic or sensibility exists, involving an imagery and formal style specific to women.
- c) Proponents insist that an authentic artistic language is being created, corresponding to the distinct social experience of women, independent of "male-defined" art, and essentially liberating.
- d) Several approaches to the problem of defining feminist art have evolved and are being discussed and developed within the feminist art movement

- A) adcb
- B) adbc
- C) abcd
- D) acbd

42

- a) The issue of women, art, and feminism has been most urgently raised by a number of women artists.
- b) One particular approach has suggested that some sort of female aesthetic or sensibility exists, involving an imagery and formal style specific to women.
- c) Several approaches to the problem of defining feminist art have evolved and are being discussed and developed within the feminist art movement
- d) Proponents insist that an authentic artistic language is being created, corresponding to the distinct social experience of women, independent of "male-defined" art, and essentially liberating.

- A) abdc
- B) acbd
- C) bacd
- D) bcsd

43

Later he became unpopular because he tried to lord it on his followers.

- to lord it for
- to lord over
- to lord it over
- to lord it over on

44

The crops are dying; it must not had rained.

- must had not
- must not be
- must not be
- must not have been

45

The courts are actively to safeguard the interests and the rights of the poor.

- are actively to safeguarding
- have been actively safeguarding
- have to active in safeguarding
- are actively in safeguarding

46

The drama had many scenes which were so humorous that it was hardly possible to keep a straight face.

- a.hardly possible for keeping
- b.hardly impossible for keeping
- c.hardly impossible for keep
- d.hardly possible keeping
- e.No correction required

47

Hardly does the sun rise when the stars disappeared.

- have the sun rose
- had the sun risen
- did the sun rose
- the sun rose

48

You will be late if you do not leave now.

- did not leave
- left
- will not leave
- do not happen to leave
- No correction required

49

S_i: We now know that the oceans are very deep.

P : For example, the Indian ocean has a range called the Indian Ridge.

Q :Much of it is fairly flat.

R :However, there are great mountain ranges as well.

S : On average the bottom is 2.5 miles to 3.5 miles down

S_e: This reaches from the India to the Antarctic.

The Proper sequence should be:

- a.SQPR
- b.PQSR
- c.RSQP
- d.QPRS

50

S_i: Minnie went shopping one morning.

P : Disappointed She turned around and returned to the parking lot.
Q :She got out and walked to the nearest shop.
R :She drove her car into the parking lot and stopped.
S : It was there that she realised that she'd forgotten her purse at home.
S_o: She drove home with an empty basket.
The Proper sequence should be:

- () a.RSQP
- () b.RQSP
- () c.PQRS
- () d.QPRS

51

S_i: Far away in a little street there is a poor house.
P : Her face is thin and worn and her hands are coarse, pricked by a needle, for she is a seamstress.
Q One of the windows is open and through it I can see a poor woman.
:
R :He has a fever and asking for oranges.
S : In a bed in a corner of the room her little boy is lying ill.
S_o: His mother has nothing to give but water, so he is crying.
The Proper sequence should be:

- () a.SRQP
- () b.PQSR
- () c.QPSR
- () d.RSPQ

52

S_i: A noise started above their heads.
P : But people did not take it seriously.
Q :That was to show everyone that there was something wrong
R :It was a dangerous thing to do.
S : For, within minutes the ship began to sink.
S_o: Nearly 200 lives were lost on the fateful day.
The Proper sequence should be:

- () PQSR
- () PRQS
- () QPRS
- () QPSR

53

S_i: American private lies may seem shallow.
P : Students would walk away with books they had not paid for.
Q :A Chinese journalist commented on a curious institution: the library

R : Their public morality, however, impressed visitors.

S : But in general they returned them.

S₆: This would not happen in china, he said.

The Proper sequence should be:

a.PSQR

b.QPSR

c.RQPS

d.RPSQ

54

FURORE

a)Excitement

b)Worry

c)Flux

d)Anteroom

55

ASCEND

a)Leap

b)Grow

c)Deviate

d)Mount

56

TURN UP

a)Land up

b)Show up

c)Crop up

d)Come up

57

VIGOUR

a)Strength

b)Boldness

c) Warmth

d)Enthusiasm

58

GARNISH

a) Paint

b) Garner

c) Adorn

d) Abuse

59

Join these parts to make a meaningful sentence. The correct order of parts is the answer.

1. at 2. it 3. take
4. once 5. away

a) 23514

b) 14352

c) 32514

d) 32514

60

1. him 2. the 3. to
4. charge 5. handover

a) 42531

b) 51342

c) 52431

d) 45231

61

1. seen 2. going 3. you
4. him 5. have

a) 35214

b) 35142

c) 32514

d) 35124

62

1. bag 2. you 3. seen
4. have 5. my

a) 51432

b) 43512

c) 42351

d) 42153

63

1. killed 2. a 3. Jaswant
4. bear 5. wild

a) 31254

- b) 53124
- c) 23145
- d) 43125

64

In the following the questions choose the word which best expresses the meaning of the given word

VENT

- Opening
- Stodge
- End
- Past tense of go

65

RESCUE

- Command
- Help
- Defence
- Safety

66

ATTEMPT

- Serve
- Explore
- Try
- Explain

67

FORAY

- Maraud
- Contest
- Ranger
- Intuition

68

RECKLESS

- Courageous
- Rash
- Bold
- Daring

69

CONSEQUENCES

- () Results
- () Conclusions
- () Difficulties
- () Applications

70

IMPROVEMENT

- () Advancement
- () Betterment
- () Promotion
- () Preference