D-X)

**Directions:** Read the following passage carefully and answer the questions that follow.

South Korean company Hyodol has come up with a way to use Artificial Intelligence (AI) to beat loneliness among elders with dementia. The South Korean government is reported to have **deployed** around 7,000 Hyodol dolls to keep senior citizens 'company' and remind them to take medications. Loneliness among senior citizens is a growing social issue in South Korea. While the dolls look like cuddly soft toys, their advanced language processing and ability to recognise emotions, talk, and play music can offer some form of engagement to seniors.

According to the company, the robot named Hyodol is an Al care robot that offers customised care for seniors. The robot does this by relying on data collected by living and having conversations with them. "Hyodol helps digitally disadvantaged individuals to live happier and healthier lives through the convenience of digital technology," reads the official website. The company works with an Emotional Al system which it claims provides emotional care that feels familiar and realistic to users. The doll can hold full conversations and it comes with a companion app and web monitoring platform for caretakers to monitor remotely. Besides, it comes with safety features that can raise an alert when no movement has been detected for a certain period of time. Essentially, the doll is always watching the user.

The Al robot can hold conversations owing to the large language model that has been integrated into it. It also comes with touch interaction, check-ins, a health coach, voice messages, 24-hour voice reminders, music, quizzes, exercise suggestions, and more. Moreover, caregivers with access to the app will be able to send and receive voice messages, make group announcements, and monitor motion detection. While the company has stated that it prioritises user privacy and safety and strictly observes data protection, it has not mentioned how it does this. This is a/an \_\_\_\_\_\_\_area of concern, as the data collected by these dolls could lead to security vulnerabilities. Hyodol is not alone, in the past two years, there have been several robots with similar use cases. In October 2023, the media reported about the social robot Nao developed by Kazakh company "April". Nao has been developed to assist therapists in autism therapy.

1) What technology allows the Hyodol dolls to hold conversations with users?

a) Facial recognition software

b) Advanced language processing

c) Real-time motion sensors

d) Biometric data collection

e) Cloud-based storage capacity

Ans.b

Sol.

2) According to the passage, which of the following statements is/ are true about the AI robots?

I. "Nao" assists therapists in treating patients with autism.

II. "Hyodol" offers emotional support through conversation and reminders.

III. "Hyodol" provides medical diagnosis and treatment recommendations for users.

a) Only I and II

b) All I, II and III

c) Only II and III

d) Only I

e) Only III

Ans.a

Sol.

3) According to the passage, what safety features does the Hyodol doll have?

I. GPS tracking and temperature monitoring

II. Emergency calling system

III. Motion detection with alert capabilities Solution

a) Only I

b) Only I and III

c) Only III

d) Only II and III

e) Only II

Ans.c

Sol.

4) Which of the following words can fill the blank that is given in the passage?

a) Overstated

b) Minor

c) Unfounded

d) Potential

e) Overlooked

Ans.d

Sol.

5) According to the passage, what is a key feature of Hyodol's ability to provide customised care for seniors?

a) Utilizing data collected by living with seniors

b) Offering physical exercises and fitness programs

c) Implementing advanced medical diagnoses

d) Conducting regular check-ins with caregivers

e) Providing financial assistance to seniors

Ans.a

Sol.

6) What problem does Hyodol aim to address with the use of Artificial Intelligence?

a) Digital illiteracy among elders

b) Dementia resulting from accidents

c) Loneliness among senior citizens particularly with dementia

d) Lack of healthcare facilities in South Korea

e) Assisting children with autism

Ans.c

Sol.

7) Which of the following options is the meaning of the word 'deployed' that is emboldened in the passage?

a) Purchased and stored in a warehouse.

b) Distributed and put into use.

c) Undergoing research and development testing.

d) Recalled due to safety concerns.

e) Disassembled and left unused.

Ans.b

Sol.

8) What specific concern is mentioned in the passage regarding the data collected by Hyodol dolls?

a) Lack of compatibility with other devices

b) High cost of deployment

c) Limited language processing capabilities

d) Inability to provide emotional care in the long run

e) Security breaches by unauthorised parties

Ans.e

Sol.

##End Essay

D-X)

**Directions:** Rearrange the following six sentences A, B, C, D, E and F in the proper sequence to form a meaningful paragraph and then answer the question given below.

A. It meant clinics shuttered, health teams closed, women dying... but a second Trump term will be on a different scale.

B. Providers of women's healthcare around the world are preparing for potentially disastrous consequences should Donald Trump win the US presidential election in November.

C. Policies pursued during Trump's last presidency caused devastating harm in a number of countries.

D. Global health charities also lost US funding if they refused to agree not to perform or actively promote abortion under this global gag rule

E. However, Joe Biden had scrapped this ban in 2021 a week after he was inaugurated as US president in a move celebrated by health groups around the world.

F. As a result, the closure of international facilities offering wider health services, such as family planning.

9) Which of the following statements will be the first sentence after rearrangement?

a) F

b) D

c) E

d) A

e) B

Ans.e

Sol.

10) Which of the following statements will be the last sentence after rearrangement?

a) D

b) B

c) E

d) C

e) A

Ans. e

Sol.

11) Which of the following statements will be the penultimate sentence after rearrangement?

a) E

b) D

c) A

d) F

e) B

Ans. a

Sol.

12) Which of the following statements will be the fourth sentence after rearrangement?

a) C

b) E

c) B

d) A

e) F

Ans. e

Sol.

13) Which of the following statements will be the second sentence after rearrangement?

a) C

b) F

c) B

d) A

e) D

Ans.a

Sol.

##End Essay

D-X)

**Directions:** Study the following information carefully and answer the questions given below.

The legendary city of Atlantis was celebrated for its remarkable **\_\_\_(A)\_\_\_** and unparalleled achievements. Its inhabitants were lauded for their profound **\_\_\_(B)\_\_\_** in various scientific and artistic disciplines, which were ahead of their time. The city was **\_\_\_(C)\_\_\_** under a golden age of both cultural and technological advancements. However, this utopian era was abruptly disrupted by a monumental **\_\_\_(D)\_\_\_** that devastated the city, submerging it beneath the ocean’s surface. Ancient **\_\_\_(E)\_\_\_** recount tales of an enigmatic sage who had foretold the disaster with uncanny precision, but the Atlanteans’ skepticism led them to dismiss the warnings as mere superstition. Consequently, the once-great civilization was lost, and only fragmented accounts remain to convey its grandeur and demise.

14) A.

a) Grandeur

b) Degradation

c) Obfuscation

d) Negligence

e) Insignificance

Ans.a

Sol.

15) B

a) Erudition

b) Ignorance

c) Ambivalence

d) Fallacy

e) Mediocrity

Ans.a

Sol.

16) C

a) Stagnation

b) Adversity

c) Turmoil

d) Flourishing

e) Disarray

Ans.d

Sol.

17) D

a) Triumph

b) Blessing

c) Boon

d) Enhancement

e) Cataclysm

Ans.e

Sol.

18) E

a) Chronicles

b) Advertisements

c) Manuals

d) Memos

e) Essays

Ans.a

Sol.

##End Essay

D-X)

**Directions:** In the following question, one part of the sentence may have an error. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select 'No Error'.

19) 19

a) Shares of information

b) Technology companies continued to seen

c) Heavy selling from foreign portfolio

d) Investors in the first half of May.

e) No error

Ans.b

Sol.

20) 20

a) Microsoft debuted a new category of personal computers

b) With AI features as it plans to

c) Incorporate the emerge technology into

d) Products across its business.

e) No error

Ans.c

Sol.

21) 21

a) The state, along with several civic bodies, has

b) Taken up initiatives to make

c) The city cleaner and ensure

d) A healthy environment for all.

e) No error

Ans.e

22) 22

a) The Ministry of Heavy Industries will

b) Held a second round of meetings with

c) Stakeholders to issue draft guidelines

d) For the new electric vehicle (EV) policy.

e) No error

Ans.b

Sol.

23) 23

a) India's efforts to build its own AI playbook and

b) Its ambitions to make an impact

c) In artificial intelligence has caught

d) The attention of the CEO of Dell Technologies.

e) No error

Ans.c

Sol.

##End Essay

D-X)

**Directions:**Which of the following phrases (I), (II) , and (III) given below each sentence should replace the phrase printed in bold letters to make the sentence grammatically correct? Choose the best option among the five given alternatives that reflect the correct use of the phrase in the context of the grammatically correct sentence. If the sentence is correct as it is, mark 'No Improvement' as the answer.

24) The new software update **aims at fixing the bugs** **and add** new features.

I. Aims to fix the bugs and add

II. Aim at fixing the bugs and adding

III. Intends to fix the bugs and add

a) No improvement

b) Only I and I

c) Only I and III

d) Only II and III

e) All I, II, and III

Ans.c

Sol.

25) The team is **working hardly** to meet the project's deadline.

I. Working hard

II. Working diligently

III. Working tirelessly

a) No improvement

b) Only I and II

c) Only I and III

d) Only II and III

e) All I, II, and III

Ans.e

Sol.

26) The director **insisted on that** the meeting should start on time.

I. Insisted that

II. Emphasised that

III. Urging that

a) No improvement

b) Only I and II

c) Only II and III

d) Only I and III

e) All I, II, and III

Ans.b

Sol.

##End Essay

D-X)

**Directions:** There are two different sentences with a blank space in each question. Choose the word from the given options which fits into both the blanks appropriately adding a proper and logical meaning to the sentences.

27) (I) Her \_\_\_\_\_\_\_\_\_\_ disregard for the rules not only shocked her peers but also challenged the very foundation of the institution's traditions.

(II) Despite the risks, he made a \_\_\_\_\_\_\_\_\_\_ decision to venture into the unknown, his courage shining like a beacon in the face of adversity.

a) Weaken

b) Demure

c) Genteel

d) Brazen

e) Mousy

Ans.d

Sol.

28) (I) After a long day of hiking, the hearty meal was more than enough to \_\_\_\_\_\_\_\_\_\_\_ the hunger of the weary travelers.

(II) Her thirst for knowledge seemed impossible to \_\_\_\_\_\_\_\_\_\_\_, as she moved from book to book, devouring information with an insatiable appetite.

a) Starved

b) Satiate

c) Famished

d) Compensate

e) Underfed

Ans.b

Sol.

##End Essay

D-X)

**Directions:** In each of the following sentences, four words have been highlighted which may or may not be misspelt or inappropriate in their usage. Mark the erroneous word as your answer and if you think that all the words are correct in their spellings and usage, choose ‘All are correct’ as your answer.

29) The song needs to be **played** in a **stacato** manner and not as a **continuous melody.**

a) Played

b) Stacato

c) Continuous

d) Melody

e) All are correct

Ans.b

Sol.

30) At first, I thought that the **trinkets** sold on the island had value, but I then realized that they were **nothing** other than **worthless baubile.**

a) Nothing

b) Trinkets

c) Baubile

d) Worthless

e) All are correct

Ans.c

Sol.

##End Essay

**D-X)**

**Directions:** Read the data carefully and answer the following questions:

The pie chart given below shows the percentage distribution of students present in different sections of 5th class of a school on Monday. (No section has full attendance)

**Note:**

1. Difference between the number of students present in A and B is 4.

2. In each of sections B, C, D and E the total number of students (present + absent) is less than 51.

31) If the number of absent students in section A is 40% more than the present students and the ratio of absent boys to absent girls was 5: 3, then the absent girls in section A is what percentage of the total present students in section C?

a) 70%

b) 30%

c) 60%

d) 50%

e) 40%

Ans. a

Sol.

32) If 10 students who were present in section A were shifted to section C, then what is the sum of maximum and minimum possible total (present and absent) students in section C?

a) 92

b) 91

c) 90

d) 80

e) 100

Ans. b

Sol.

33) What is the difference between the maximum possible value of absent students in section B and the 3rd minimum possible value of absent students in section E?

a) 5

b) 4

c) 3

d) 6

e) 2

Ans. c

Sol.

34) If the number of absent students in section C is more than 7 and total number of students (present and absent) in section C is a perfect square number, then what is the difference between the absent students in section C and the total present students in section A and E together?

a) 69

b) 64

c) 72

d) 61

e) 66

Ans. d

Sol.

35) If it is given that the sum of maximum and minimum possible values of absent students in section D is 4, then what is the maximum total number of students (present + absent) in section D?

a) 48

b) 47

c) 49

d) 50

e) 51

Ans. c

Sol.

##End Essay

36) Pam can complete a work in 'D' days while Ben and Kan together can complete the work in (D/1.75) days. If Pam, Ben and Kan together can complete the work in 6 days and the ratio of efficiencies of Pam and Kan is 4:3, respectively, then find the time taken by Kan to complete the work

a) 12 days

b) 22 days

c) 11 days

d) 10 days

e) None of these

Ans. b

Sol.

37) The ratio of number of male employees to female employees in an office is 3:7 such that the number of female employees is 140. Number of male employees and number of female employees is increased by 25% and 60, respectively, such that there is an increase of S% in total number of employees. Find the value of 'S'

a) 25

b) 62.5

c) 37.5

d) 32.5

e) None of these

Ans. c

Sol.

38) Hannah Horvath ordered a brand new bathtub. But she found that there was a leak in the bathtub which could empty the bathtub in 10 hours. The inlet faucet can fill the bathtub at the rate of 4 liter/minute. If she leaves the inlet faucet on, it takes 15 hours to empty the bathtub. What is the capacity of the bathtub?

a) 7500 liters

b) 5400 liters

c) 6000 liters

d) 7200 liters

e) 4000 liters

Ans. d

Sol.

39) Ravi can cover a distance of 168 km in time 't'. After travelling th of the distance, he met with an accident and his speed is reduced to times the original speed. Ravi reach the distance after 't + 2 hours 15 minutes '. What is the value of t?

a) 7 hours

b) 8 hours

c) 10 hours

d) 12 hours

e) 14 hours

Ans. d

Sol.

40) The marked price of the article is 25% more than the cost price of the article. If the discount offered by the shopkeeper is 16% and the sum of the marked and cost price of the article is Rs.5760, then find the profit percentage of the article.

a) 22%

b) 15%

c) 12%

d) 5%

e) 7%

Ans. d

Sol.

D-X)

**Directions:** Answer the questions based on the information given below.

There are certain number of children in a society who like at least one of the three different items namely donut, cake and pastry. The number of children who like all three items is 135 which is 12.5% more than the number of children who like only cake. The ratio of the number of children who like only cake to number of children who like only pastry is 5:6. The number of children who like only pastry is 44 more than the number of children who like only donut. The number of children who like exactly two items is 55. The ratio of number of children who like both cake and donut but not pastry to number of children who like both donut and pastry but not cake is 5:2. The number of children who like both cake and pastry is 155.

41) Find the total number of children who like cake.

a) 320

b) 400

c) 300

d) 250

e) 200

Ans. c

Sol.

42) What is the difference between the number of children who like exactly two items and the number of children who like only pastry?

a) 101

b) 63

c) 89

d) 75

e) 97

Ans. c

Sol.

43) Find the number of children who like both cake and donut but not pastry.

a) 15

b) 40

c) 30

d) 25

e) 20

Ans. d

Sol.

44) Find the number of children who like both donut and pastry.

a) None of these

b)180

c) 145

d) 195

e) 170

Ans. c

Sol.

##End Essay

45) Find the difference between the compound interests earned on Rs. 25000 for 1.5 years at 4% p.a. when compounded yearly and when compounded half yearly.

a) Rs. 20.60

b) Rs. 14.20

c) Rs. 16.80

d) Rs. 10.20

e) Rs. 24.80

Ans. d

Sol.

46) Vimal's income is 87.5% more than his expenditure. The ratio of Vimal's savings to Kamal's savings is 7:3. If Kamal expends 60% of his income and his income is Rs. 81,000 then, find the of sum of expenditure of both Vimal and Kamal.

a) Rs. 81,000

b) Rs. 54,000

c) Rs. 1,62,000

d) Rs. 1,08,000

e) Rs. 1,35,000

Ans. e

Sol.

47) In a container, there is a mixture of wheat and rice. The quantity of wheat in the mixture is 40 kg more than the amount of rice. If 200 kg of wheat and 80 kg of rice are added to the mixture, the ratio of quantities of wheat to rice becomes 3:2, then find the initial quantity of mixture.

a) 300 kg

b) 400 kg

c) 600 kg

d) 520 kg

e) None of these

Ans. d

Sol.

48) The second smallest number of five consecutive odd number series is 4 more than the largest number of the six consecutive different odd number series. Find the difference in the average of the five consecutive odd number series and the six consecutive different odd number series.

a) 8

b) 9

c) 10

d) 11

e) 7

Ans. d

Sol.

49) Srishti and Madhav started a business by investing Rs.52000 together. Srishti who invested for half of the total partnership time period, earned Rs.5000 as profit. If the total profit earned by them together is Rs.8000, then find the amount invested by Srishti.

a) Rs.50000

b) Rs.45000

c) Rs.30000

d)Rs.35000

e) Rs.40000

Ans. e

Sol.

50) The sum of breadth of a rectangle and side of a square is 30 metre and the sum of length of the rectangle and side of the square is 38 metre. If the breadth of the rectangle is one-third its length, find the area of the square.

a) 676 sq. metre

b) 324 sq. metre

c) 144 sq. metre

d) 400 sq. metre

e) None of these

Ans. a

Sol.

D-X)

**Directions:** What approximate value will come in place of question mark (?) in the given question.

51) 9/42 ÷ 108/63 × 328 - 5/7 +7/5 = ?

a) 32

b) 28

c) 40

d) 45

e) 42

Ans. e

Sol

52) ? = 431.99 ÷ 26.88 + (19.29)2 + 7.99 × 34.75

a) 734

b) 498

c) 519

d) 657

e) 413

Ans. d

Sol.

53) ? + 79.99 = [(45.78)2 - 14.87 × 27.87] ÷ 8.02

a) 78

b) 96

c) 132

d) 174

e) 196

Ans. c

Sol.

54) 56.02% of 400 + 12.01% of 800.003 - (9.1)2 = ? – 180.005

a) 528

b) 520

c) 419

d) 430

e) 518

Ans. c

Sol.

55)

a) 16

b) 25

c) 8

d) 4

e) 5

Ans. d

Sol.

##End Essay

D-X)

**Directions:** Answer the questions based on the information given below.

The given pie chart provides information about the market share of five different Toothpaste companies in 2014. Note: Total market share of all the Toothpaste companies combined was Rs. 1200 crores.

56) Find the average market share of Pepsodent, Dantkanti, and Sensodyne.

a) Rs. 216 crores

b) Rs. 240 crores

c) Rs. 256 crores

d) Rs. 264 crores

e) Rs. 272 crores

Ans. b

Sol.

57) What is the central angle of the market share of Babool?

a) 36o

b) 45o

c) 54 o

d) 60 o

e) 72 o

Ans. c

Sol.

58) Find the difference between market share of Babool and market share of Sensodyne?

a) Rs. 84 crores

b) Rs. 112 crores

c) Rs. 96 crores

d) Rs. 72 crores

e) Rs. 124 crores

Ans. a

Sol.

59) Find the ratio of market share of Pepsodent to the market share of Dantkanti and Sensodyne taken together.

a) 1:1

b) 3:2

c) 2:3

d) 3:4

e) 1:2

Ans. e

Sol.

60) The total market share of Babool and Sensodyne taken together was what percentage more than the market share of Colgate?

a) 20%

b) 25%

c) 32%

d) 48%

e) 60%

Ans. d

Sol.

##End Essay

D-X)

**Directions:** Find the wrong term in the given series

61) 2, 10, 80, 630, 6930, 90090

a) 10

b) 80

c) 630

d) 6930

e) 90090

Ans. b

Sol.

62) 6, 12, 36, 210, 1260, 13860

a) 12

b) 36

c) 210

d) 1260

e) 13860

Ans. c

Sol.

63) 9050, 5675, 3478, 2147, 1418, 1077

a) 3478

b) 1418

c) 5675

d) 2147

e) 1077

Ans. e

Sol.

64) 71, 90, 128, 185, 261, 365

a) 365

b) 128

c) 185

d) 90

e) 261

Ans. a

Sol.

65) 18, 36, 144, 864, 6912, 691020

a) 691020

b) 144

c) 864

d) 6912

e) 36

Ans. a

Sol.

##End Essay

D-X)

**Directions:** Study the following information carefully and answer the given questions:

In a certain code language,

**"Value of jute market is decreasing"** is written as **"vl ak iq fg cs tm"**

**"Handloom market is doing good."** is written as **"ho do iq ak ng"**

**"Is this value for money?"** is written as **"iq rx yz vl be"**

**"It is good for you"** is written as **"te rx uv iq do"**

66) What is the code for **'value'**?

a) fg

b) vl

c) rx

d) cs

e) None of the above

Ans.b

Sol.

67) What is the code for **'money'**?

a) be

b) rx

c) yz

d) Either option (a) or (c)

e) Either option (b) or (c)

Ans.d

Sol.

68) What is the code for **'good'**?

a) uj

b) do

c) te

d) ho

e) None of the above

Ans.b

Sol.

69) What is the code for **'handloom'**?

a) ng

b) ho

c) ak

d) iq

e) Cannot be determined

Ans.e

Sol.

##End Essay

70) If it is possible to make a 4-letter meaningful word can be formed using 2nd, 5th, 9th and 11th letters of the word **'GLUCONEOGENESIS'**, then what is the 4th letter of the word? If no such meaningful word can be formed, mark **‘Z’** as your answer. If more than one meaningful words can be formed, mark **‘X’** as your answer. (use each letter only once)

a) O

b) N

c) G

d) X

e) Z

Ans.c

Sol.

D-X)

**Directions:** Answer the questions based on the given information

Nine persons P, Q, R, S, T, U, V, W and X live on different floors of ten storey building and one floor is vacant. The bottommost floor is numbered as 1, the floor immediately above it is numbered as 2 and so on.

**Note:** If a person lives one/two/three floors above another person, then floor between them may or may not be vacant unless stated otherwise.

If one/two/three persons live between C and D, then floor between them may or may not be vacant unless stated otherwise.

V lives three floors above S. S lives on an even numbered floor. W lives below S, on a prime numbered floor. Only four persons live between W and T. P lives two floors above T. U lives two floors below R. Q lives above R. X lives adjacent to Q. P is not adjacent to vacant floor.

71) Which among the following floor is Vacant?

a) 9th

b) 8th

c) 6th

d) 5th

e) 7th

Ans.

Sol.

72) How many persons live between P and R?

a) Six

b) Five

c) Four

d) Seven

e) Cannot be determined

Ans.

Sol.

73) Who among the following lives on 6th floor?

a) S

b) Q

c) X

d) R

e) Cannot be determined

Ans.a

Sol.

74) Who among the following lives on 4th floor?

a) X

b) R

c) Q

d) Either option (a) or (c)

e) S

Ans.d

Sol.

75) \_\_\_\_\_\_\_ lives five floors below \_\_\_\_\_\_\_.

a) W, V

b) U, S

c) S, U

d) X, V

e) Q, V

Ans.b

Sol.

##End Essay

76) Eight persons M, N, O, P, Q, R, S and T standing in a queue according to their height. M is fourth tallest person. S is taller than M. S is two persons taller than T. P is taller than both N and Q. O is taller than P. Q is two persons shorter than R. The number of persons taller than R is more than the number of shorter than P. How many persons are shorter than O?

a) Seven

b) Six

c) Five

d) Cannot be determined

e) Four

Ans.b

Sol.

D-X)

**Directions:** In the question below are given some statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically followed from the given statements, disregarding commonly known facts.

77) **Statements:**

Only Orange is Grapes

All Apple is Cherry

No Orange are Apple

Some Pears is not Apple

**Conclusions:**

I. Some Orange is definitely not Cherry

II. All Pears can be Apple

III. Some Orange is Pears

a) Both conclusion I and III follows

b) Both conclusion II and III follows

c) Both conclusion I and II follows

d) All conclusion follows

e) Only I follows

Ans.e

Sol.

78) **Statements:**

Some Laptop are Desktop

Some Landline are Mobile

All Tab is Landline

No Mobile are Laptop

**Conclusions:**

I. Some Landline are Desktop

II. No Tab are Mobile

III. No Landline are Desktop

a) Both conclusion I and II follow

b) Only conclusion I follow

c) Either conclusion I or III follow

d) Only conclusion III follows

e) Only conclusion II follows

Ans.c

Sol.

79) **Statements:**

All Rain are Spring

Some Spring is not Autumn

Only Winter is Summer

Some Winter is Autumn

**Conclusions:**

I. Some Rain can be Winter

II. Some Winter is Spring is a possibility

III. Some Autumn is Summer

a) Both conclusion I and III follow

b) Only conclusion I follow

c) All conclusion follows

d) Either conclusion I or II follows

e) Both conclusion I and II follows

Ans.e

Sol.

##End Essay

D-X)

**Directions:** Read the following information carefully and answer the given questions.

Point A is 3m west of point B. Point C is 4m North of point B. Point D is 5m east of point C. Point E is 8m South of point D. Point I is 4m west of point J. Point I is 7m North of point H. Point H is 8m east of point G. Point G is 3m South of point F. Point N is 8m west of point M. Point M is 3m North of point L. Point K is 4m East of point L and 4m North of point J. Point F is 5m west of point E.

80) In which direction is point N with respect to point G?

a) North

b) South

c) North-east

d) North-west

e) Cannot be determined

Ans.a

Sol.

81) What is the shortest distance between Point M and point H?

a) 13m

b) 12m

c) 14m

d) 15m

e) None of these

Ans.c

Sol.

82) In which direction is point J with respect to point A?

a) West

b) North-East

c) South-east

d) North-west

e) East

Ans.e

Sol.

##End Essay

D-X)

**Directions:** Study the following information carefully and answer the given questions.

Seven persons J, K, L, M, N, O and P sit around a circular shaped table. Each of them is of different ages - 13, 20, 32, 35, 49, 55 and 62, but not necessarily in the same order. All of them face inside.

N sits second to the right of P who sits three places away from M. The one whose age is a multiple of 4 sits immediately to the right of N. Immediate neighbour of N is a prime number. Only one person sits between the ones who are 13 years old and 49 years old. More than two persons sit between the one who is 49 years old and K when counting left of the one who is 49 years old. The sum of ages of M and O is equal to Age of P. O sits immediately to the right of the one who is 20 years old. J is not an immediate neighbour of O. Age of L is not a multiple of 7 and is younger than N.

83) Who among the following person is 62 years old?

a) J

b) K

c) The one who sits second to the right of the one who is 13 years old.

d) The one who sits second to the left of the one who is 35 years old.

e) M

Ans.d

Sol.

84) Who among the following sits third to the right of L and what is the age of that person?

a) K - 55

b) K - 13

c) N - 62

d) N - 13

e) None of these

Ans.b

Sol.

85) How many persons sit between O and N when counting left of N?

a) Three

b) Five

c) Four

d) Two

e) One

Ans.c

Sol.

86) Which of the following statements is/are true statements about J?

I. One person sits between J and O when counting from the left of O.

II. J is an immediate neighbour of L.

III. Age of J is 32 years old.

a) Only I

b) Only II

c) Both I and III

d) Both II and III

e) All I, II and III

Ans.b

Sol.

##End Essay

D-X)

**Directions:** Study the following information carefully and answer the given questions.

Eight persons – A, B, C, D, E, F, G and H – are working in a company, each holding a different designation and earn different salaries. Their designations are as follows: President, Vice President (VP), Manager, Assistant Manager (AM), Team Leader (TL), Senior Operations (SO), Executive Operations (EO) and Intern Their designations follow a hierarchical sequence President being the senior-most and Intern being the junior-most. Their salaries are- 19K, 27K, 34K, 48K, 54K, 63K, 72K and 96K. All the information is not necessarily in the same order.

G is designated four designations senior to B. Salary of B is divisible by 7. Two persons are designated between E and the one who earns the lowest. E is designated two designations junior to B. The number of persons designated senior to the one who earns 19K is three more than the number of persons designated junior to the one who earns twice the salary of G. D is designated as four persons senior to E and earns second highest salary. Salary of the one who is designated senior to Manager is 34K. The sum of salaries of the one who is designated as Assistant Manager and H is 106K. Salary of C 20K more than Salary of H. C is not designated as Manager. A is designated junior to F who earns higher salary than E.

87) How many persons are designated junior to the person who earns 27K?

a) Seven

b) Either Six or Seven

c) One

d) Four

e) Six

Ans.e

Sol.

88) Which among the following combination is/are correct?

a) Manager - D

b) Senior Operations - C

c) Vice President - G

d) Manager - F

e) Both options (c) and (d)

Ans.e

Sol.

89) Who among the following persons is designated as three designations senior to the person who is designated as an Intern and what is the salary of that person?

a) B -19 K

b) B – 63K

c) A – 19K

d) A – 64 K

e) D – 19 K

Ans.c

Sol.

90) The number of persons designated junior to A is two more than the number of persons designated senior to \_\_\_\_\_\_.

a) The one who earns 96K salary.

b) The one who earns 48K salary.

c) The one who earns 72K salary.

d) The one who earns 27K salary.

e) The one who earns 34K salary.

Ans.d

Sol.

91) What is the sum of the salaries of Executive Operations, A and G?

a) 171K

b) 100K

c) 121K

d) 150K

e) 90K

Ans.b

Sol.

##End Essay

D-X)

**Directions:** Study the following information carefully and answer the given questions.

Eleven persons- A, B, C, J, K, L, M, S, T, U and V sit in a linear row, but not necessarily in the same order. Not less than two adjacent persons will face in the north direction while no two adjacent persons will face in the south direction.

K sits fifth to the right of T. Either K or T sits at the end of a row. S, who sits second to the right of J, is an immediate neighbour of K. Six persons sit between J and U, who sits adjacent to T. A sits second to the left of K and faces in the south direction. L sits adjacent to B and C. B sits sixth to the left of M while V sits sixth to the right of L.

92) Who among the following persons are sitting between M and T and facing in the south direction?

I. J, C and B

II. L, A and B

III. L, J and B

IV. A and L

a) Both III and IV

b) Both I and III

c) Both I and II

d) Only III

e) Only IV

Ans.e

Sol.

93) What is the position of L with respect to J?

a) Fifth to the right

b) Seventh to the left

c) Fourth to the right

d) Third to the right

e) Second to the left

Ans.a

Sol.

94) Which among the following combination is odd from the rest?

a) M-V-J

b) A-S-K

c) A-J-V

d) L-B-K

e) S-K-B

Ans.e

Sol.

95) Who among the following sits fourth to the left of U?

a) The persons who sits exactly between J and L.

b) B

c) The person who sits fifth to the left of M.

d) U

e) The person who sits adjacent to V

Ans.c

Sol.

96) In which among the following pairs, both the persons face in the opposite direction?

a) V and S

b) L and T

c) T and A

d) A and J

e) L and M

Ans.d

Sol.

##End Essay

97) If the letters of the word **'ACCOMPANIMENT'** are interchanged such that the first and the fifth letters exchange places, the second and the sixth letters exchange places, the third and the seventh letters exchange places, and fourth and eighth letters exchange places, then which of the following would be the **THIRD** letter to the left of E?

a) T

b) I

c) A

d) O

e) M

Ans.d

Sol.

98) In the question, assuming the given statements to be true, find which of the conclusion (s) among given three conclusions is/are definitely true and then give your answer accordingly.

**Statements:**

L ≥ V < M = P; X < P; Q > Z = L

**Conclusions:**

I. P > Q

II. V < Z

III. Z ≥ V

a) Only conclusion I is true

b) Only conclusions I and II are true

c) Only conclusion I and III are true

d) Only conclusion III is true

e) None of the above

Ans.d

Sol.

99) Which of the following set of symbols should be placed in the blanks respectively in the given expression in order to make the expressions **S > G** and **P ≤ Q** definitely true?

**G \_ K \_ P \_ S \_ U \_ W \_ Q**

a) <, =, <, =, ≤, =

b) =, ≥, =, ≥, =, <

c) =, <, =, ≤, =, =

d) <, =, ≥, <, ≥, =

e) None of the above

Ans.c

Sol.

100) Which of the following should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that makes the expression **'J < F'** definitely true?

**\_ > \_ = \_ ≤ \_ < \_ ≥ \_**

a) J, M, C, T, F, A

b) T, J, A, C, F, M

c) J, T, F, A, C, M

d) C, J, M, F, T, A

e) None of the above

Ans.b

Sol.