

SBI CLERK PRELIMINARY EXAM



MOCK SET 2



SBI Clerk Preliminary Exam Mock Test Set 2

Directions (1-5): Read the following passage carefully and answer the questions given below it. Certain words are given in bold to help you locate them while answering some of the questions.

There is a sense of gloom pervading India's \$150-billion information technology (IT) industry, which earned India \$88 billion in foreign exchange in 2015-16 through the exports of software and IT-enabled services (ITS). According to data from the Reserve Bank of India (RBI), the rate of growth of the combined exports of software and ITeS fell from 20.8 per cent in 2012-13 to 14.9 per cent in 2014-15 and to a low of 7.3 per cent in 2015-16. Global circumstances combined with the specific nature of India's IT prowess seem to be responsible for this fall. India's IT industry recorded remarkable growth over a long period because it exploited an outsourcing opportunity by perfecting a global delivery model for software and ITeS based on cheap skilled labour. That opportunity was offered by the cost-cutting imperatives facing the corporate sector in the United States and elsewhere. As a result, IT industry revenues grew in double digits, with export earnings accounting for a large share of those revenues. Employment grew rapidly, albeit from a low base and at a lower pace than revenues. And a service industry to support the IT sector's growth grew around the principal centres of its activity, suggesting that despite the absence of physical production the sector had backward linkages through which it delivered some economy-wide benefits. This combination of the characteristics of India's IT success not only gave the industry a position of privilege in the economy but made it the symbol of India's ostensible post-globalization success.

However, there were a number of features of that model that made it vulnerable to changes in circumstances. To start with, it had a high degree of dependence on exports for growth, with the U.S. accounting for a very large share of those exports, followed by the European Union (E.U.) at a distant second. At the turn of the century, the U.S. market accounted for close to two-thirds of India's IT exports and the E.U. for about a quarter, and even in 2015-16, the U.S. was first with 62 per cent and Europe second with 24 per cent. Little had changed for the industry.

Secondly, software services (or code writing and customization of different levels of sophistication) and ITeS, rather than IT products, accounted for an overwhelming share of revenues. To garner those revenues, a workforce with essential IT skills and familiarity with communication infrastructure, and the requisite Test Series organization were the necessary ingredients. But sustaining those revenues required constant attention to cost competitiveness, which encouraged automation of the routine activities constitute an important part of the industry's operations.

Thirdly, this output composition required combining offshore delivery with local services provision to understand client requirements and customize services and even run operations. So, on-site work remained an important component of the industry's activity. In 2002-03, 48% of India's experts of IT services was provision to understand client through the medium of a commercial presence on foreign soil and another 13.5 per cent through the presence of natural persons. By 2015-16 those figures had come down to 18.9 per cent and 16.1 per cent respectively. But the local presence, which ensured provision of



35 per cent of the value services that had risen in value from Rs. 31,100 crore to Rs.5,76,310 crore between 2002-03 and 2015-16, was undoubtedly large and crucial to the industry's performance.

Finally, a few firms (such as Tata Consultancy Services (TCS), Infosys and Wipro) account for a very large share of the industry's revenues, drawing attention to their operations and brand as happened in the U.S. recently.

1. Why according to the passage India's IT industry is facing a sense of despondency?

- (I) Because of unavailability of cheap skilled labour force in the country.
 - (II) There is an abrupt decline in the rate of growth of the combined exports of software and ITes.
 - (III) Because of over-exploitation of outsourcing opportunities.
- A. Only (I) is correct
 - B. Only (II) is correct
 - C. Both (I) and (III) are correct
 - D. Both (II) and (III) are correct
 - E. All are correct

2. How the outsourcing opportunity helped India's IT industry in achieving exceptional growth?

- (I) It bettered India's global delivery model for software and ITes based on cheap skilled labour.
 - (II) There was a significant growth in generation of revenues of IT industry
 - (III) It helped in rapid growth of employment.
- A. Only (I) is correct
 - B. Only (III) is correct
 - C. Both (I) and (II) are correct
 - D. Both (II) and (III) are correct
 - E. All are correct

3. What does the author mean by the sentence, "Little had changed for the industry" as used in the passage?

- A. Despite the subsequent growth in other sectors, Indian IT industry failed to add value to the economy.
- B. IT Industry still had a high degree of dependence on exports for growth.
- C. Software services and ITes were responsible for overwhelming share of revenues, rather than IT products.
- D. Both (b) and (c)
- E. All of the above



4. Which of the following statements is/are true in context of the passage?

(I) In 2002-03, 18.9 per cent of India's exports of IT services was through the medium of a commercial presence on foreign soil and another 16.1 per cent through the presence of natural persons.

(II) India's IT success not only gave the industry a position of privilege in the economy but made it the symbol of India's ostensible post-globalization success.

(III) A workforce with essential IT skills and familiarity with English, communication infrastructure, and the requisite organization were the necessary ingredients for drawing attention of the outsourcing opportunity

- A. Only (I) is true
- B. Only (II) is true
- C. Both (I) and (II) are true
- D. Both (II) and (III) are true
- E. All are true

5. Why according to the passage the growth rate of combined exports of software and ITS slumped to a new low?

- A. Global circumstances combined with the specific nature of India's IT prowess seem to be responsible for this fall.
- B. India's over dependence on the exports of software and ITeS for growth.
- C. Due to absence of physical production.
- D. Lack of workforce with essential IT skills and familiarity with English, and communication infrastructure.
- E. All of the above.

Directions (6-8): Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in passage.

6. Prowess

- A. Dexterity
- B. Method
- C. Composure
- D. Liberty
- E. Serenity

7. Garner

- A. Pick up
- B. Setup
- C. Preserve
- D. Buy up



- E. Amass

8. Imperative

- A. Subtle
- B. Piercing
- C. Vital
- D. Supple
- E. Mercurial

Directions (9-10): Choose the word/group of words which is most opposite in meaning to the word/group of words printed in bold as used in passage.

9. Ostensible

- A. Avowed
- B. Genuine
- C. Alleged
- D. Illusory
- E. Feigned

10. Customize

- A. Sustenance
- B. Broaden
- C. Maintenance
- D. Reshape
- E. Comply



Directions (11-15): In each of the questions given below, two parts of the sentence are given in bold which is then followed by four possible alternatives. You have to choose the option which fits the sentence most appropriately. If all the four alternatives are incorrect choose option (e) as your correct choice.

11. Satyagraha is Gandhi's greatness in gifting mankind. Etymologically, the term means passion for, or firmness in Truth satya in Sanskrit means Truth and agraha that define passion and firmness.

- A. greatest gifts to mankind; denoting passion and firmness
- B. one of the great gifts of mankind; resemble passion and firmness
- C. greatest gift to mankind; denotes passion or firmness
- D. gifting to a mankind; which denote passion or firmness
- E. No correction required



12. The AIP module is not part of the original Scorpene contract but the Navy has been keen on having them fitted on the last two of the six Scorpene submarines being manufactured by Mazgaon Docks Limited (MDL) in Mumbai.

- A. is keen to have them fit; manufactured by
- B. keening on have them fit; which is manufactured at 5/9
- C. have been keen to have them fitted; which is manufactured by
- D. is keening on having them fit; manufacturing in
- E. No correction required

13. The Trump administration's renewed focus on hard approaches to counter terrorism could provide these elites with more excuses in continuation of living in their mental comfort zones.

- A. to countering terrorism; more excuses to continue living
- B. to counter terrorism; better excuse to continue to live
- C. counter of terrorism; more excuses for continuation to live
- D. in countering terrorism; more excuses continuing to live
- E. No correction required

14. In the parliamentary democratic system of governance in India, the responsibility for running the administration rest with the electing representatives of the people.

- A. in India; is resting with the elected
- B. as in India; rests with the elected
- C. of India; do rest with the elected
- D. like India; rests in the elected
- E. No correction required

15. The Shanghai Cooperation Organization (SCO) was an early initiative by China to knit together important regional countries in Asia in an organization that had significant security overtones.

- A. had been an early initiative by China; with significant
- B. is an early initiative for China; signifying
- C. has been an early initiative by China; which signified
- D. was an early initiative for China; to signify
- E. No correction required



Direction (16-20): 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 without altering their meanings.

16. (1) The only difficulty in this...is to secure debtors that will not die.

(2) She was in a state of rare contentment, an.....to the gaiety that was hers by nature.

- A. accretion
- B. increase
- C. enlargement
- D. accessory
- E. None of the above

17. (1) He issued what was in reality an..... proclamation, which President Lincoln was compelled to modify.

(2) Friction increased between the races at the South after.....

- A. abolition
- B. autarchy
- C. exemption
- D. immune
- E. emancipation

18. (1) It was feared that there could be a..... unsettling of established governments and a new political order could come into being, oriented away from the traditional leadership of the region.

(2) On the other hand,emigration was not sufficient to remove the evil.

- A. comprehensively
- B. wholesale
- C. voluminous
- D. extensive
- E. haphazard

19. (1) The French President Emmanuel Macron's new centrist party.....is landslide victory in the parliamentary elections.

(2) The opinion of parliament on two other questions during the session was..... influenced by events in France.

- A. evidently
- B. seemingly
- C. ostensibly
- D. apparently



E. All of the above

20. (1) Parliament takes pride in asserting the supremacy of the institution, at times even ignoring what it perceives as judicial..... in its functioning.

(2) It would have been enough to have cured the whole Roxburghe Club from..... with libraries and books forever and ever.

- A. concern
- B. examining
- C. tracing
- D. meddling
- E. quest

Directions (21-30): In the following passage there are blanks, each of which has been numbered and one word has been suggested alongside the blank. These numbers are printed below the passage and against each, five options are given. In four options, one word is suggested in each option. Find out the appropriate word which fits the blank appropriately. If the word written alongside the blank fits the passage, choose option 'e' (No correction required) as the correct choice.

Summer is one of the toughest periods of the year for anyone completing (21) from school. This means we are talking about almost one crore students who gave their class XII exam. With an investiture (22) ratio of around 24.3%, we are looking at almost 30 lakh students rapidly (23) trying to obtain good scores in their XII board exams or sitting for entrance examinations for various higher education institutions (24). If their scores are not good, their careers will be found (25) to be dead.

Thirty lakh students! This is a/an terrifying (26) figure for the Darwinian struggle they know they will be getting into. Why? Because the higher education system in India is a binary phenomenon (27) You either have intellectually (28) elite colleges, a handful of them, or a vast majority of exception (29) ones which have lost their ability to even signal the quality of their students - one purposes for an educational institution to exist. The trajectory to professional success than crucially rest (30) on your ability to secure a seat in one of the good colleges.

21.

- A. finishing
- B. certifying
- C. graduating
- D. passing
- E. No correction required



22.

- A. record
- B. enrolment
- C. enlisting
- D. induction
- E. No correction required

23.

- A. carelessly
- B. gravely
- C. hysterically
- D. desperately
- E. No correction required

24.

- A. establishment
- B. association
- C. corporation
- D. formulation
- E. No correction required



25.

- A. sensed
- B. perceived
- C. sighted
- D. marked
- E. No correction required

26.

- A. astounding
- B. horrible
- C. shocking
- D. terrible
- E. No correction required



27.

- A. reflection
- B. dream
- C. creation
- D. experience
- E. No correction required

28.

- A. capably
- B. keenly
- C. prudently
- D. thoughtfully
- E. No correction required

29.

- A. unusual
- B. rotten
- C. mediocre
- D. rugged
- E. No correction required



30.

- A. link
- B. support
- C. derive
- D. hinges
- E. No correction required

Direction (31-35): What will come in place of the question mark (?) in the following number series?

31. 17, 12, 29, 92, 373, ?.

- A. 1966
- B. 1870
- C. 1654
- D. 1442
- E. None of these

32. 114, 115, 107, ?, 134, 70, 195

- A. 143
- B. 124
- C. 134



- D. 133
- E. None of these

33. 12, 22, 69, 272, 1365

- A. 262
- B. 22
- C. 12
- D. 69
- E. None of these

34. 15, 21, 39, 77, 143, ?

- A. 243
- B. 250
- C. 253
- D. 245
- E. None of these

35. 5 8 16 31 55 ?

- A. 72
- B. 96
- C. 90
- D. 76
- E. None of these



36. A man can row a distance of 30 km downstream and return in a total of 8 hours. If the speed of the boat in still water is four times the speed of the current, find the speed of the current (in kmph).

- A. 8
- B. 3
- C. 7
- D. 2.
- E. None of these

37. A garden is 24 m long and 14 m wide. There is a path 1 m wide outside the garden along its sides. If the path is to be constructed with square marble tiles 20 cm a 20 cm, then find the number of tiles required to cover the path:

- A. 1700
- B. 3000
- C. 2000
- D. 1500
- E. None of these



38. P, Q and R started a business with investment in the ratio 5:6:8 respectively. After 1 yr, R withdrew 50% of his capital and p increased his capital by 60% of his investment. After 2 yr, in what ratio should the earned profit be distributed among P, Q and R respectively?

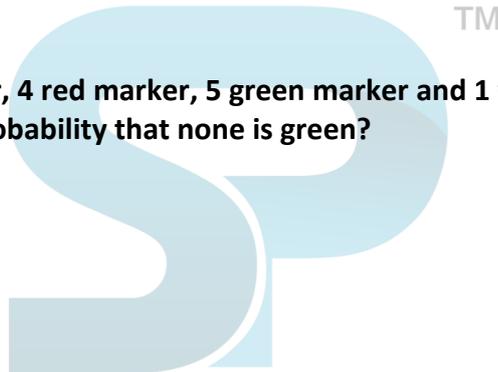
- A. 12:13:13
- B. 14:13:12
- C. 13: 12: 12
- D. Cannot be determined
- E. None of the above

39. Mr Ram spends 20% of his monthly income on household expenditure. Out of the remaining 25% he spends on children's education, 15% on transport, 15% on medicine and 10% on entertainment. He is left with Rs. 5600 after incurring all these expenditures. What is his monthly income?

- A. Rs. 20000
- B. Rs. 25000
- C. Rs. 35000
- D. Rs.28400
- E. None of these

40. A box contains 2 blue marker, 4 red marker, 5 green marker and 1 yellow marker. If four marker are picked at random, what is probability that none is green?

- A. $7/99$
- B. $13/99$
- C. $1/12$
- D. $11/12$
- E. None of these



Direction [41-45]: In the following question, two equations are given. You have to solve these equations and give the answer:

41. $6x^2 + 31x + 33$

$y^2 - 32y + 247$

- A. $X > y$
- B. $x \geq y$
- C. $y > x$
- D. $y \geq x$
- E. $X = y$ or relationship cannot be established



42. $3x^2 + 13x + 14 = 0$

$8y^2 + 26y + 21 = 0$

- A. $x > y$
- B. $x \geq y$
- C. $y > x$
- D. $y \geq x$
- E. $x = y$ or relationship cannot be established

43. $2x^2 - 19x + 44 = 0$

$2y^2 - 21y + 52 = 0$

- A. $x > y$
- B. x
- C. $x \geq y$
- D. $x \leq y$
- E. $x = y$ OR No relation can be established (CND)

44. $12x^2 - 40x - 32 = 0$

$2y^2 + 21y + 54 = 0$

- A. $x > y$
- B. $x < y$
- C. $x \geq y$
- D. $x \leq y$
- E. $x = y$ or relationship cannot be determined



45. $4x + 3y = (1600)^{1/2}$

$6x - 5y = (484)^{1/2}$

- A. $x > y$
- B. $x \geq y$
- C. $y > x$
- D. $y \geq x$
- E. $x = y$ or relationship cannot be established

Direction [46-50]: A question along with two statements, is given below. You have to decide whether the data provided in the two statements is sufficient to answer the question or not and mark your answer accordingly.

46. The ages of Pradumn and Gunit are in the ratio of 7: 5. What is the age of Pradumn?

I. The ages of Pradumn and Nandini are in the ratio of 4:3.

II. After 7 years the ratio of Pradumn's and Aviral's ages will be 4: 3.



- A. if the statement I alone is sufficient to answer the question, but the statement II alone is not sufficient.
- B. if the statement II alone is sufficient to answer the question, but the statement I alone is not sufficient.
- C. if both statements I and II together are needed to answer the question.
- D. either the statement I alone or statement II alone is sufficient to answer the question.
- E. Data is insufficient.

47. Train 'A' running at a certain speed crosses another train 'B' running at a certain speed in the opposite direction in 24 seconds. What is the length of train 'B'?

I. The length of both the trains together is 450 meters.

II. Train 'A' is slower than train 'B'.

- A. The data in Statement I alone are sufficient to answer the question, while the data in statements II alone are not sufficient to answer the question.
- B. The data in statement II alone are sufficient to answer the questions, while the data in statement I alone are not sufficient to answer the question.
- C. The data either in statement I alone or in statement II alone are sufficient to answer the question.
- D. The data even in both the statements I and II together is not sufficient to answer the question.
- E. The data in both the statements I and II together are necessary to answer the question.

48. What percent of families in the U.P have an annual expenses of over 1,50,000 and own a Bungalow? The number of families is 1,50,000.

I. 28% of the families in U.P have an expense of 1,50,000.

II. 40% of the families in U.P have an annual expenses over 1,50,000 and own a Bungalow.

- A. Statements I is sufficient to answer the question, but statement II by itself is not sufficient to answer the question.
- B. Statements II by itself is sufficient to answer the question, but statement I alone is not sufficient to answer the question.
- C. Statements either I or II is sufficient to answer the question.
- D. Both the statements I and II taken together are not sufficient to answer the question.
- E. Both the statements I and II taken together are sufficient to answer the question.

49. What is the age of the son?

1) 4 years ago the average age of the family including father, mother and son is 27 year

2) 5 years hence the average age of the father and mother will be 40

- A. if the data provided in statement i is sufficient while the data provided in statement 2 is not sufficient
- B. if the data provided in statement 2 is sufficient while the data provided in statement 1 is not sufficient



- C. if the data provided in either of the statements alone is sufficient to answer the question
- D. if the data provided in both of the statements together is sufficient to answer the question
- E. if the data provided in both of the statements together are not sufficient to answer the question

50. A 540m-long plot of rectangular land is to be fenced. Find the cost of fencing per square metre.

I. Breadth of the rectangular plot is 60 m.

II. Length of the rectangular plot is 120 m.

- 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 question.
- C. If the data either in statement I alone or in statement II alone are sufficient to answer the question.
- D. If the data even in both the statements I and II together are not sufficient to answer the question.
- E. If the data in both the statements I and II together are necessary to answer the question.

51. Two taps X and Y can fill a Tank in 30 and 60 minutes respectively. There is a third exhaust tap Z at the bottom of tank. If all taps are opened at the same time, the Tank will be full in 50 minutes. In what time can exhaust tap Z empty the cistern when full?

- A. 33.33 Min
- B. 22.34 Min
- C. 12 Min
- D. 18 Min
- E. 21 Min

52. A merchant sells his two mobiles - one at 15% loss and another at 10% profit. If the cost prices of the two mobiles are in the ratio of 1:2, what is his percent profit or loss?

- A. 1.66% profit
- B. 2.33% loss
- C. 1.33% profit
- D. 1.25% loss
- E. None of these

53. A and B together can complete a work in 10 days while A is 50% more efficient than B then find in how many days the work will be complete if they work on alternative days starting with A?

- A. 15
- B. 20
- C. 22
- D. 18



E. 19

54. Average weight of 20 girls in a class is 25 kg, when the age of a teacher is included the average weight increased by 2 then find out the weight of the teacher.

- A. 50 kg
- B. 66 kg
- C. 67 kg
- D. 47 kg
- E. None of these

55. If A man borrowed same amount from Babu as Babu from Arun at the same rate of interest for 3 Years at simple interest while Babu borrowed at compound interest compounded annually at same rate and time period and the difference Between their interest is Rs. 992.25 then find the Rate pcpa if Aman borrowed Rs. 14,000.

- A. 17%
- B. 15%
- C. 6%
- D. 19%
- E. None of these

56. Out of 5 women and 4 men a committee of three members is to be formed in such a way that at least one member is a women. In how many different ways can it be done?

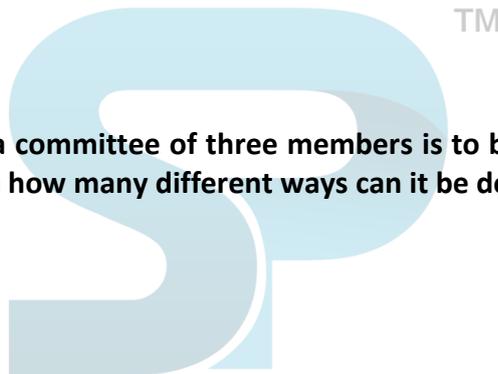
- A. 96
- B. 76
- C. 84
- D. 80
- E. None of these

57. 3 men and 7 women can complete a piece of work in 12 days. 7 men and 3 women can complete the same work in 8 days. In how many days can 3 women complete the work alone?

- A. 36
- B. 64
- C. 100
- D. 84
- E. 56

58. A train reaches on a destination in time with an average speed of 40 Kmph. If it goes with an average speed of 35 kmph it is late by 15 minutes. The length of the total journey is -

- A. 70 km
- B. 56Km
- C. 23 km





- D. 78 km
- E. 85 Km

59. 80 litres mixture of alcohol and water contain 20% water. How much water must be added to the above mixture to make water 23 % of the resulting mixture?

- A. 7.5 litres
- B. 5 litres
- C. 8 litres
- D. 4 litres
- E. None of these

60. Two pipes X and Y can fill a cistern in 24 minutes and 32 minutes respectively. If both the pipes are opened together, then after how much time (in minutes) should Y be closed so that the tank is full in 18 minutes?

- A. 10
- B. 8
- C. 6
- D. 5
- E. 4

61. The ratio between the ages of a father and a son at present is 5: 2, respectively. Four years hence, the ratio between the ages of the son and his mother will be 1: 2, respectively. What is the ratio between the present ages of the father and the mother respectively?

- A. 7:9
- B. 3:4
- C. Cannot be determined
- D. 4:3
- E. None of these

62. The daily work of 2 men is equal to that of 3 women or that of 4 youngsters. By employing 14 men, 12 women and 12 youngsters a certain work can be finished in 24 days. If it is required to finish it in 14 days and as an additional labour, only men are available, how many of them will be required?

- A. 20 men
- B. 18 men
- C. 48 men
- D. 28 men
- E. None of these



63. The breadth of a rectangular floor is half of its length. If Rs 972 is required to paint the floor at Rs. 6 per square meter then what is the area of the circle whose perimeter is 22 times the length of the rectangular floor?

- A. 12474
- B. 16224
- C. 14634
- D. 15724
- E. None of these

64. In a school 70% of the students are boys and rest are girls. Moreover, 20% of the boys and 10% of the girls are getting a fee exemption. If the number of those getting a fee exemption is 1700, find the total number of students getting 75% concession if it is given that 40% of those not getting a fee exemption are eligible to get 75% concession?

- A. 6000
- B. 3320
- C. 2000
- D. 1500
- E. 7000

65. Two trains A and B leave stations P and Q simultaneously and travel towards Q and P respectively on the same route. After meeting end route, A takes one hour to reach Q and B takes 4 hours to reach P. How long did A take to cover the entire Distance?

- A. 6 hours
- B. 4 hours
- C. 2 hours
- D. 3 hours
- E. none of these

Direction [66-67]: Which of the following will come in place of the question mark?

66. AC, BE, DH, ?, KQ

- A. GL
- B. GK
- C. HL
- D. HM
- E. None of these

67. The positions of how many alphabets will remain unchanged if each of the alphabets in the word PROACTIVE is arranged in alphabetical order from left to right?

- A. None
- B. One
- C. Two
- D. Three



E. More than three

Directions (68-72): Study the information given below and answer the questions based on it.

Eight boxes P, Q, R, S, T, U, V and W are kept one above another. Top position is 1st and bottom position is last. Three boxes are between S and Q. Box V is immediately above box S. 3 boxes are kept between R and P. Box R is above P. There are the same number of boxes between R and W as between W and S. One box is kept between V and U. Box U is below box V.

68. How many boxes are between P and Q?

- A. None
- B. 1
- C. 2
- D. 3
- E. 4

69. Which of the following box is at the top position?

- A. R
- B. P
- C. T
- D. V
- E. W

70. Which of the following box at the last but one position?

- A. V
- B. S
- C. U
- D. P
- E. W

71. Which of the following box is above box W?

- A. P
- B. V
- C. S
- D. T
- E. U

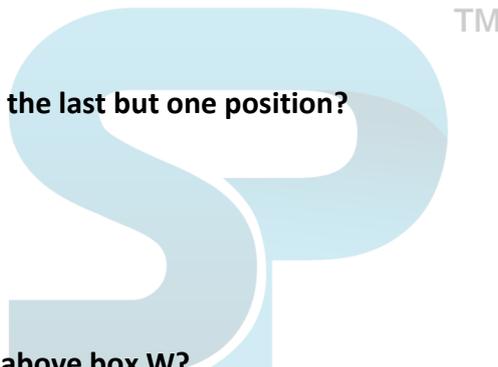
72. How many boxes are below U?

- A. None
- B. 1
- C. 2
- D. 3
- E. 4

Direction (73-77): In the following questions, relationship between different elements are shown in the statements. These statements are followed by two conclusions. Give answer.

73. Statements: $A \geq J = N$; $H > Y > I < S = N$.

Conclusions:





- I. $A = N$
II. $A > N$
- A. Only conclusion I is true
B. Only conclusion II is true
C. Either conclusion I or conclusion II is true
D. Neither conclusion I nor conclusion II is true
E. Both the conclusion I and conclusion II are true

74. Statements: $T \leq J > F$; $U > J \leq H = S$

Conclusions:

- I. $F \leq U$
II. $U > T$
- A. Only conclusion I is true
B. Only conclusion II is true
C. Either conclusion I or conclusion II is true
D. Neither conclusion I nor conclusion II is true
E. Both the conclusion I and conclusion II are true

75. Statements: $Y > U \leq H = Q$; $R \leq U \geq M$

Conclusions:

- I. $R \leq Q$
II. $Q \leq M$
- A. Only conclusion I is true
B. Only conclusion II is true
C. Either conclusion I or conclusion II is true
D. Neither conclusion I nor conclusion II is true
E. Both the conclusion I and conclusion II are true

76. Statements: $L \geq F > G \leq W$; $H < S = L$

Conclusions:

- I. $H > G$
II. $W \leq L$
- A. Only conclusion I is true
B. Only conclusion II is true
C. Either conclusion I or conclusion II is true
D. Neither conclusion I nor conclusion II is true
E. Both the conclusion I and conclusion II are true



77. Statements: $T > U \geq V \geq W; X < Y = W > Z$

Conclusions:

- I. $Z > U$
 - II. $W < T$
- A. Only conclusion I follow.
 - B. Only conclusion II follows.
 - C. Either conclusion I or conclusion II follows.
 - D. Neither conclusion I nor conclusion follows.
 - E. Both conclusions I and II follow.

78. If '2' is subtracted from each even digit and '1' is added to each odd digit in the number 8367284, then how many digits will appear twice in the new number thus formed?

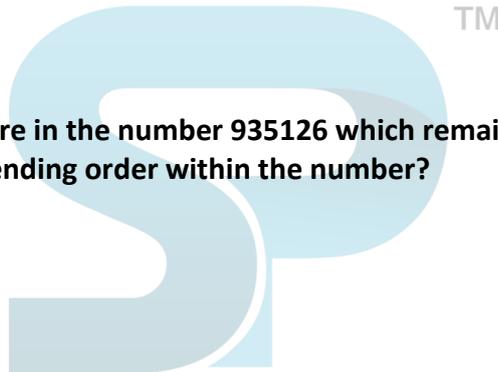
- A. One
- B. Two
- C. Three
- D. More than three
- E. None of these

79. How many such digits are there in the number 935126 which remain same in the number as when the digits are rearranged in descending order within the number?

- A. None
- B. one
- C. Two
- D. Three
- E. More than three

80. If it is possible to make only one meaningful word from the first, fifth, seventh and eighth letters of the word SPONTANEOUS, then the second letter from the left is your answer. If no such word can be formed then your answer is X and if more than one such word can be formed your answer is Y.

- A. X
- B. T
- C. E
- D. S
- E. Y





Direction (81-85): Study the information given below and answer the questions based on it.

In a certain language,

'bright and intellectual students' is written as 'mt la ga pa'

'fresh and bright mind' is written as 'la pa ni dh'

'in mind thoughts clear' is written as 'dh pz ma mi'

'intellectual thoughts in mind is written as 'ma pz dh ga'

81. How is 'mind' written in that code language?

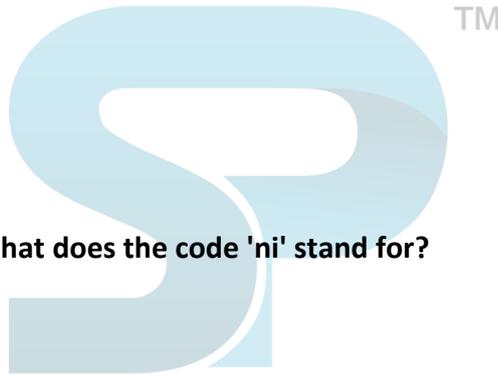
- A. pz
- B. dh
- C. mi
- D. Can't be determined
- E. None of these

82. What will be the possible code for 'bright and clear' in the given code language?

- A. pa la dh
- B. mi ga mt
- C. la pa mi
- D. pz ma la
- E. None of these

83. In the given code language, what does the code 'ni' stand for?

- A. fresh
- B. mind
- C. intellectual
- D. Can't be determined
- E. None of these



84. How is thoughts' written in that code language?

- A. pz
- B. ma
- C. mi
- D. either (A) or (B)
- E. Only (B) and (C)

85. In the given code language, what does the code 'ga' stand for?

- A. intellectual
- B. mind
- C. fresh



- D. bright
- E. None of these

Direction (86-90): Study the information given below and answer the questions based on it.

Seven persons P, Q, R, S, T, U and V buy cars in different months i.e. June, July, August, September, October, November and December, not necessarily in the same order. U bought a car in a month which was having 30 days but not in September. Three persons bought cars between U and T. Two persons bought cars between T and Q. Three persons bought cars between Q and P. P bought car one of the months before Q. Two persons bought cars between P and V. S bought car one of the months after V.

86. Who among the following bought car in August?

- A. P
- B. R
- C. Q
- D. U
- E. V

87. Which of the following does not belongs to the group?

- A. T.
- B. R
- C. Q
- D. P
- E. S



88. How many persons bought car between P and R?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

89. Which of the following combination is correct?

- A. T-June
- B. P-November
- C. S-October
- D. R-July
- E. None is correct

90. How many persons bought car after Q?

- A. 1
- B. 2



- C. 3
- D. 4
- E. 5

Direction (91-95): In each question below are two or three statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

91. Statements

Some pens are erasers

No eraser is pencil.

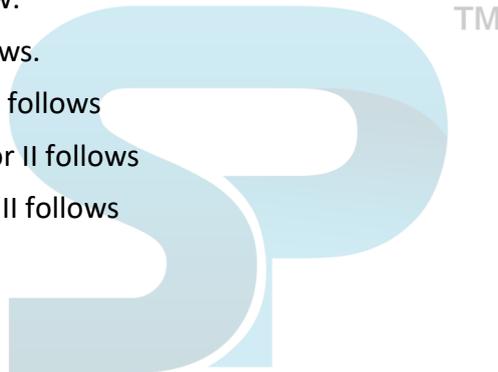
All pencils are books.

Conclusions

I. Some books are pens.

II. All pens can never be pencils.

- A. Only conclusion I follow.
- B. Only conclusion II follows.
- C. Either conclusion I or II follows
- D. Neither conclusion I nor II follows
- E. Both conclusions I and II follows



92. Statements:

All ropes are sticks.

No stick is pencil.

Some pencils are knives.

Conclusions:

I. Some knives are ropes.

II. Some knives are sticks.

- A. If only Conclusion I follows.
- B. if only Conclusion II follows.
- C. if either Conclusion I or II follows.
- D. if neither Conclusion I nor II follows.
- E. if both Conclusions I and II follow.

93. Statements:

All sweet are sour.

No sour is tasty.

All tasty are food.



Conclusions:

- I. All sweet being food is a possibility.
- II. No sweet is tasty.
 - A. Only I follow
 - B. Only II follows
 - C. Either I or II follows
 - D. Neither I nor II follows
 - E. Both I and II follow

94. Statements:

- Some Army is Force.
- All Army are Navy.
- All Navy are Police.

Conclusions:

- I. Some Police are Army.
- II. Some Force can never be Police.
 - A. Only I follow
 - B. Only II follows
 - C. Either I or II follows
 - D. Neither I nor II follows
 - E. Both I and II follow



95. Statements:

- Some poor are rich.
- All rich are doctors.
- Some intelligent are doctors.

Conclusions:

- I. All intelligent being doctors is a possibility.
- II. Some poor are doctors.
 - A. if only conclusion I follows
 - B. if only conclusion II follows
 - C. if either conclusion I or II follows
 - D. if neither conclusion I nor II follows
 - E. if both conclusions I and II follows



Directions (96-100) Study the following information carefully and answer the given questions.

P, Q, R, S, T, U, V and X are sitting around a circular table. Three of them are facing outside and the rest of them are facing inside. Q sits third to the right of P and faces outside. R sits to the opposite of Q and facing inside. U sits to the immediate left of R and is facing in the same direction as R. V sits third to the right of U. Q and V faces in the same direction. The one sitting between Q and V is facing the direction opposite to them. X sits immediate left of S who is facing inside. The immediate neighbours of Q are facing in the opposite direction of each other.

96 Who sits second to the left of U?

- A. P
- B. S
- C. X
- D. V
- E. Cannot be determined

97. What is the position of V with respect to X?

- A. Fourth to the left
- B. Second to the right
- C. Third to the left
- D. Third to the right
- E. Second to the left

98. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- A. U
- B. P
- C. R
- D. V
- E. E.T

99. How many persons are sitting in between U and T if we start from T in clockwise direction?

- A. Two
- B. Three
- C. More than three
- D. One
- E. None





100. Who is sitting third to the right of X?

- A. U
- B. V
- C. R.
- D. T
- E. None of these





Answers with Explanation:

1. **Answer:** B

Explanation: Refer the first paragraph, "According to data from the Reserve Bank of India (RBI), the rate of growth of the combined exports of software and ITeS fell from 20.8 per cent in 2012-13 to 14.9 per cent in 2014-15 and to a low of 7.3 per cent in 2015-16." Hence only statement (II) is the correct reason.

2. **Answer:** E

Explanation: Refer the last few lines of first paragraph, "India's IT industry recorded remarkable growth over a long period because it exploited an outsourcing opportunity by perfecting a global delivery model for software and ITes based on cheap skilled labour." and the first few lines of second paragraph, "As a result, IT industry revenues grew in double digits, with export earnings accounting for a large share of those revenues. Employment grew rapidly, albeit from a low base and at a lower pace than revenues." Hence all three statements are correct in context of the passage.

3. **Answer:** D

Explanation: Refer the first few sentences of the third paragraph, "However, there were a number of features of that model that made it vulnerable to changes in circumstances. To start with, it had a high degree of dependence on exports for growth, with the U.S. accounting for a very large share of those exports..." and the first sentence of the fourth paragraph, "Secondly, software services (or code writing and customization of different levels of sophistication) and ITeS, rather than IT products, accounted for an overwhelming share of revenues." Hence both the statements (b) and (c) are correct in context of the passage.

4. **Answer:** B

Explanation: Refer the statements, "In 2002-03, 48 per cent of India's exports of IT services was through the medium of a commercial presence on foreign soil and another 13.5 per cent through the presence of natural persons.", "This combination of the characteristics of India's IT success not only gave the industry a position of privilege in the economy but made it the symbol of India's ostensible post globalization success." and "To garner those revenues, a workforce with essential IT skills and familiarity with English, communication infrastructure, and the requisite organization were the necessary ingredients." Hence only statement (II) is true in context of the passage.

5. **Answer:** A

Explanation: Refer the first paragraph, "According to data from the Reserve Bank of India (RBI), the rate of growth of the combined exports of software and ITeS fell from 20.8 per cent in 2012-13 to 14.9 per cent in 2014-15 and to a low of 7.3 per cent in 2015-16. Global circumstances combined with the specific nature of India's IT prowess seem to be responsible for this fall." Hence (a) is the correct option in context of the passage.



6. **Answer:** A

Explanation: Prowess means skill or expertise in a particular activity or field. Dexterity means skill in performing tasks, especially with the hands. Hence both are similar in meanings. Serenity means the state of being calm, peaceful, and untroubled.

7. **Answer:** E

Explanation: Garner means gather or collect (something, especially information or approval). Hence "amass" is the word most similar in meaning to it.

8. **Answer:** C

Explanation: Imperative means a factor or influence making something necessary. Hence 'vital is the word most similar in meaning to it.

Supple means bending and moving easily and gracefully; flexible.

Mercurial means subject to sudden or unpredictable changes of mood or mind.

9. **Answer:** B

Explanation: Ostensible means stated or appearing to be true, but not necessarily so. Hence 'genuine' is the word most opposite in meaning to it.

Avowed means that has been asserted, admitted, or stated publicly.

10. **Answer:** B

Explanation: Customize means modify (something) to suit a particular individual or task. Hence 'broaden' is the word most opposite in meaning to it.

Sustenance means the maintaining of someone or something in life or existence.

11. **Answer:** C

Explanation: "greatest gift to mankind, denotes passion or firmness" is the correct set of phrases in context of the sentence structure and subsequent grammar usage.

12. **Answer:** E

Explanation: As the sentence is in passive form, "has been keen on having them fitted, being m are the correct phrases in context of the sentence structure and grammatical usage require any correction.

13. **Answer:** A



Explanation: "to countering terrorism, more excuses to continue living" is the correct set of phrases in context of the sentence structure and subsequent grammar usage.

14. **Answer:** B

Explanation: "as in India, rests with the elected" is the correct set of phrases in context of the sentence structure and subsequent grammar usage.

15. **Answer:** E

Explanation: The given sentence is grammatically correct.

16. **Answer:** A

Explanation: Accretion means a thing formed or added by gradual growth or increase.

17. **Answer:** E

Explanation: Emancipation means the fact or process of being set free from legal, social, or political restrictions; liberation.

18. **Answer:** B

Explanation: Wholesale means done on a large scale; extensive.

19. **Answer:** E

Explanation: All the given options fit into the blanks appropriately as all four words mean the same i.e. so as to give the impression of having a certain quality; apparently.

20. **Answer:** D

Explanation: Meddling means interfering in something that is not one's concern.

21. **Answer:** C

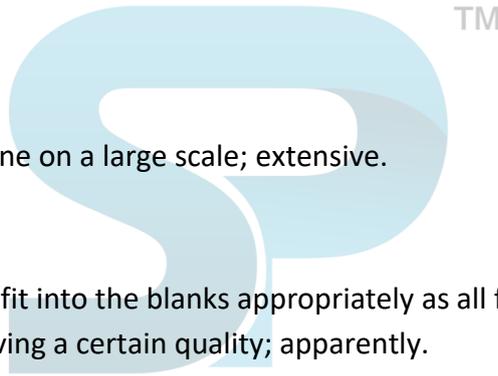
Explanation: "graduating" is the correct word replacement as it means successfully completing an academic degree, course of training, or high school.

22. **Answer:** B

Explanation: "enrolment" is the correct word replacement as it means the action of enrolling or being enrolled.

23. **Answer:** A

Explanation: "desperately" is the correct word replacement as it means used to emphasize the extreme degree of something





24. **Answer:** E

Explanation: "institutions" is the correct word and it does not require any replacement as the word is in plural form (i.e. various higher education institutions)

25. **Answer:** B

Explanation: "perceived" is the correct word replacement as it means interpret or regard (someone or something) in a particular way.

26. **Answer:** A

Explanation: "astounding" is the correct word replacement as it is in positive sense than other given options.

27. **Answer:** E

Explanation: "phenomenon" is the correct word as it doesn't require any correction as it means a fact or situation that is observed to exist or happen, especially one whose cause or explanation is in question.

28. **Answer:** E

Explanation: "intellectually" is the correct word as it does not require any correction as it means cleverly.

29. **Answer:** C

Explanation: "mediocre" is the correct word replacement as it means of only average quality; not very good.

30. **Answer:** D

Explanation: "hinges" is the correct word replacement as the verb should be singular in particular with the subject of the sentence. Hinge means attach or join with or as if with a hinge.

31. **Answer:** B

Explanation: $7 * 1 + 5 = 12$

$12 * 2 + 5 = 29$

$29 * 3 + 5 = 92$

$92 * 4 + 5 = 373$

$373 * 5 + 5 = 1870$



32. Answer: C

Explanation: $+1^3, -2^3, +3^3, -4^3, +5^3$

33. Answer: A

Explanation: $*2-2,$

$*3+3,$

$*4-4,$

$*5+5$

34. Answer: D

Explanation: The series is $15+6, 21+18, 39+38, 77+66, 143+102.$

The inner series is $6+12, 18+20, 38+28, 66+36.$

Again, the inner series is $12+8, 20+8, 28+8.$

35. Answer: C

Explanation: $8 = 5 + 2^2 - 1,$

$16 = 8 + 3^2 - 1,$

$31 = 16 + 4^2 - 1,$

$55 = 31 + 5^2 - 1,$

Next number = $55 + 6^2 - 1 = 90$



36. Answer: D

Explanation:

$$\frac{30}{v+x} + \frac{30}{v-x} = 8$$

Where v and x are speed of the boat and water current respectively. , $V = 4x$

$$\frac{30}{5x+3x} = 8, \quad \frac{6}{x} = 8$$

$X = 2$ kmph

37. Answer: C

38. Answer: C

Explanation: Let the investments of P, Q and R be $5x, 6x$ and $8x$ respectively



Total equivalent capital of P = $5x \times 12 + 8x \times 12 = 60x + 96x = \text{Rs. } 156x$

Total equivalent capital of Q = $6x \times 24 = 144x$

Total equivalent capital of R = $8x \times 12 + 4x \times 12 = 96x + 48x = \text{Rs. } 144x$

Required earned profit ratio = $156x : 144x : 144x$
= $13 : 12 : 12$

39. Answer: A

Explanation: Let Mr Ram monthly income be Rs. 100

Then, money spent on household expenditure = $100 \times 20/100 = \text{Rs. } 20$

Remaining amount = $100 - 20 = \text{Rs. } 80$

Money spent on children's education = $80 \times 25/100 = \text{Rs. } 20$

Money spent on transport = $80 \times 15/100 = \text{Rs. } 12$

Money spent on medicine = $80 \times 15/100 = \text{Rs. } 12$

Money spent on entertainment = $80 \times 10/100 = \text{Rs. } 8$

Last remaining amount = $100 - (20 + 20 + 12 + 12 + 8) = 100 - 72 = \text{Rs. } 28$

Now, Rs. 28 is left, when total income is Rs. 100 Rs. 1 is left, when total income = $100/28$

Rs. 9800 is left, when total income = $100/28 \times 5600 = \text{Rs. } 20000$

40. Answer: A

41. Answer: C

Explanation:

$$\begin{aligned}
&6x^2 + 9x + 22x + 33 = 0 \\
&= 3x(2x + 3) + 11(2x + 3) = 0 \\
&(2x+3)(3x+11) = 0 \\
&x = -11/3, -3/2
\end{aligned}$$

$$\begin{aligned}
&y^2 - 19y - 13y + 247 \\
&y(y-19) - 13(y-19) = 0 \\
&(y-19)(y-13) = 0 \\
&y = 19, 13
\end{aligned}$$

42. Answer: C

Explanation:

$$\begin{aligned}
&3x^2 + 6x + 7x + 14 = 0 \\
&3x(x + 2) + 7(x + 2) = 0
\end{aligned}$$

$$\begin{aligned}
&8y^2 + 14y + 12y + 21 = 0 \\
&2y(4y+7) + 3(4y+7) = 0
\end{aligned}$$



$$(x+2)(3x+7) = 0$$

$$x = -2, -7/3$$

43. Answer: E

Explanation: $2x^2 - 19x + 44 = 0$

$$2x^2 - 11x - 8x + 44 = 0$$

$$x(2x-11) - 4(2x-11) = 0$$

$$(x-4)(2x-11) = 0$$

$$x-4=0 \text{ or } 2x-11=0$$

$$x-4=0 \text{ or } 2x=11$$

$$x=4 \text{ or } x=11/2 \quad x=4 \text{ or } x=5.5$$

$$2y^2 - 21y + 52 = 0$$

$$2y^2 - 8y - 13y + 52 = 0$$

$$2y(y-4) - 13(y-4) = 0$$

$$(y-4)(2y-13) = 0$$

$$y-4=0 \text{ or } 2y-13=0$$

$$y=4 \text{ or } 2y=13 \quad y=4 \text{ or }$$

$$y = 13/2 \quad y=4 \text{ or } y=6.5$$

Relationship cannot be established

44. Answer: A

Explanation: $x = -2/3, 4$

Put all values on number line and analyse the relationship

$$-6 \dots -9/2 \dots -2/3 \dots 4$$

45. Answer: A

Explanation: $4x + 3y = 40$

$$6x - 5y = 22$$

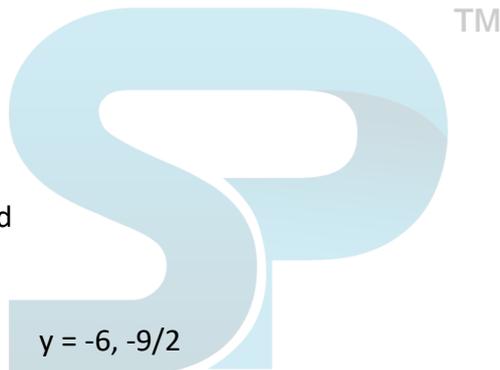
By solving the two equations we get $x = 7, y = 4$

46. Answer: E

Explanation: We cannot get the answer even from the statements I and II together, We cannot form a solvable equation with the of I and II, as data is not sufficient.

47. Answer: D

Explanation: Given that, Train 'A' running at a certain speed crosses another train 'B' running at a certain in the opposite direction in 24 seconds. A train crosses another train running in opposite direction when the whole length of the train crosses the other train.





From first statement,

Length of both train is given but $5/19$ e = information about length of Train A or speed trains, we cannot calculate length of train B. Thus, the data in statement I alone are not sufficient to answer the question.

From second statement,

In this statement, there is no information about speed of trains. So, just the knowledge that, train 'A' is slower than train 'B' is not enough to reach at the solution.

Combining both statements, Even on combining both statements, we don't have enough data to calculate the speed of trains.

48. Answer: D

49. Answer: D

Explanation: From 1 we can get the sum of present age of the family members From 2 we can get sum of ages of the couple so answer is (D)

50. Answer: D

Explanation: Cost of fencing per square meter is not given. So, even combined both the statements together, total cost of fencing can't be determined.

51. Answer: A

Explanation: Let tap C will empty the tank in 't' minutes

Here, X = 30, Y = 60 and Total time to fill tank = 50 minutes

C can empty the full tank in = 50 Minutes = $(1/30 + 1/60 - 1/t)$

= $1/50$ $1/30 + 1/60 - 1/50 = 1/t$ T = $100/3$ minutes = 33.33 minutes

52. Answer: A

Explanation: Given that CPs are in the ratio 1:2

Therefore, let the CPs be Rs.100 & Rs. 200 respectively,

1st SP = $100 - 15\%$ of 100 = Rs. 85.

2nd SP = $200 + 10\%$ of 200 = Rs. 220.

Total CP = Rs. 300. Total SP = $85 + 220 =$ Rs.305.

Profit = Rs. $305 - 300 =$ Rs.5.

Profit percent = $5 * 100 / 300 = 1.66\%$ profit.



53. Answer: B

54. Answer: C

55. Answer: B

56. Answer: D

57. Answer: B

58. Answer: A

59. Answer: D

60. Answer: B

61. Answer: A

Explanation: suppose the ages of father and son are $5x$ yr and $2x$ yr

After four years, the age of son = $(2x + 4)$ yr TM

After four years, the age of mother = $(4x + 8)$ yr

So, the present age of mother = $(4x + 4)$ yr

Ratio of the age of father and mother = $5x : 4x + 4$

Since, data is insufficient, so cannot be determined.

62. Answer: A

Explanation: let, men = M, women = W, Youngster = Y

Then $2M = 3W = 4Y$

$W = \frac{2}{3} M$ and $Y = \frac{1}{2} M$

Given $14M + 12W + 12Y$

$14 + \frac{2}{3} \times 12 + \frac{1}{2} \times 12$

28 men

$28 \times 24 = m \times 14 = m = 48$

Therefore, additional labour = $48 - 28 = 20$

63. Answer: A



Explanation: Let the length be X

Then breadth be X/2

Now, $X \times X/2 = 972/6 = 162$

$X^2 = 162 \times 2$ X = 18 Again, perimeter of circle = 18×22

So, $2\pi r = 18 \times 22$

$2 \times (22/7) \times r = 18 \times 22$

r = 63 Area of circle = $\pi r^2 = 22/7 \times (63 \times 63) = 12474$ sq m

64. **Answer:** B

Explanation: Let the total students be x So,

$20/100 \times 70x/100 + 10/100 \times 30x/100 = 1700$

$14x/100 + 3x/100 = 1700$

$17x = 170000$

x = 10000

Number of students not getting fee exemption = $10000 - 1700 = 8300$

Number of student getting 75% exemption = $40 \times 8300/100 = 3320$

65. **Answer:** D

Explanation: A takes 1 hour after meeting and B takes 4 hours after meeting.

Hence Time traveled before meeting = $v1.4 = 2$ hours

Time taken by A = $2 + 1 = 3$ hours

66. **Answer:** A

Explanation: A+1B+2.....D+3.....G+4.....K

C+2.....E+3.....H+4.....L+5.....Q

Answer is option A

67. **Answer:** A

Explanation:





P R O A C T I V E
A C E I O P R I V

Hence, option A is correct.

68. Answer: B

69. Answer: A

70. Answer: B

71. Answer: D

72. Answer: A

73. Answer: C

Explanation : Either conclusion I or conclusion II is true

Explanation:

$A \geq J = N; H > Y > I < S = N$

From the statements we have,

$A \geq J = N$. So, $A \geq N$

Conclusions:

I. $A = N$

II. $A > N$

So, I and II are complementary

74. Answer: B

Explanation : Only conclusion II is true

Explanation: $U > J \leq H = S; T \leq J > F$

From the statements we have, $U > J > F$. So, $U > F$.

Also, $U > J \geq T$. So, $U > T$

Conclusions:





I. $F \leq U$: it is FALSE

II. $U > T$: it is TRUE

75. Answer: A

Explanation: Only conclusion I is true.

Explanation:

$Y > U \leq H = Q$;

$R \leq U > M$

From the statements we have,

$R \leq U \leq H = Q$. So, $R \leq Q$

Also, $M < U \leq H = Q$. So, $Q > M$

Conclusions:

I. $R \leq Q$: It is TRUE

II. $Q \geq M$: It is FALSE

76. Answer: D

Explanation: Neither conclusion I nor conclusion II is true

Explanation:

$H < S = L \geq F > G \leq Q$

From the statements we have,

$H < L > G$. So, relation between H and G

cannot be established.

Also, $L > G \leq W$. So, relation between L and W cannot be established.

Conclusions:

I. $H > G$: It is FALSE

II. $W \leq L$: It is FALSE

77. Answer: B





Explanation: Statements:

$$T > U \geq V \geq W; X < Y = W > Z$$

After combining both statements:

$$T > U \geq V \geq W = Y > X; W = Y > Z$$

Conclusions:

I. $Z > U$ (not true) $\{W > Z \ \& \ W = U > Z\}$

II. $W < T$ (true) $\{U > W \ \& \ T > U = T > W\}$

Therefore, only conclusion II is true.

78. **Answer:** B

Explanation: Given number - 8367284

As per the question - 2' is subtracted from each even digit and '1' is added to digit

$$8 - 2 = 6$$

$$3 + 1 = 4$$

$$6 - 2 = 4$$

$$7 + 1 = 8$$

$$2 - 2 = 0$$

$$8 - 2 = 6$$

$$4 - 2 = 2$$

New number formed - is 6448062

Only two digits appear twice in the new number thus formed which is 6 & 4.

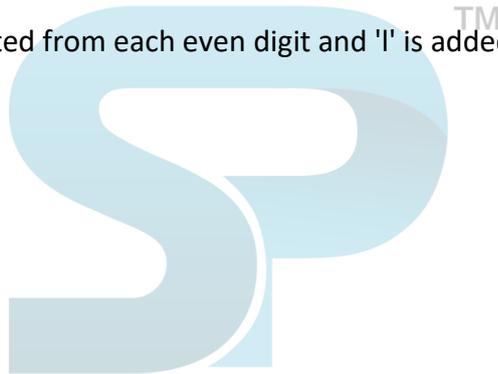
79. **Answer:** D

Explanation: Before rearranging as descending order: 935126

After rearranging as descending order: 965321

9, 5 and 2 are on the same place as before.

So, there are 3 digits





80. Answer: E

Explanation:

1	2	3	4	5	6	7	8	9	10	11
S	P	O	N	T	A	N	E	O	U	S

Meaningful words = NEST, SENT, NETS, TENS

81. Answer: B

Explanation [81-85]: The code for 'mind' is - dh

The codes are given below -

Intellectual - ga

bright - pa/la

cween Land

and - la/pa

mind - dh

students - mt

Fresh - ni

Clear - mi

thoughts -pz/ma

in - ma/pz

82. Answer: C

83. Answer: A

84. Answer: D

85. Answer: A

86. Answer: B

87. Answer: D

88. Answer: A





89. Answer: E
90. Answer: B
91. Answer: D
92. Answer: D
93. Answer: E
94. Answer: A
95. Answer: E
96. Answer: C
97. Answer: D
98. Answer: D
99. Answer: B
100. Answer: B

