Directions (1-10): Read the following passage and answer the given questions.

OCD, also known as Obsessive Compulsive Disorder is a type of mental illness which leads to repeated thoughts and the urge to do something over and over again. The 'obsession' is concerning the recurring unwanted thoughts, while the 'compulsion' is the urge to do something multiple times. The disorder can start from a really early age, while some people develop it at a later stage of life. The obsession or compulsion habits might fluctuate or change with time. You must be able to detect OCD correctly, as people often confuse it with their normal habits. A doctor is the best person to consult in such a scenario. He can not only correctly determine the status of your condition but also suggest the kind of treatment needed. Many people ignore this disorder and several are not even aware whether they have it or not. They unknowingly suffer in silence and don't know that their condition is because of a neurological problem. It is neither a matter of shame nor something to be afraid of, as a large amount of the population have this disorder.

According to the World Health Organization, OCD is one of the top 20 causes of illness-related disability, worldwide, for individuals between 15 and 44 years of age. Many other health conditions, such as anxiety issues, depressive episodes, attention deficiency, eating disorder, bipolar condition might also co-exist with OCD. People with OCD already deal with a lot, which is why they need the support of their near ones. Social stigma is a big issue, which is why many patients shy away from seeking medical help. OCD cannot be prevented as people might develop this habit at any age. However, if diagnosed early, this disorder can be easily treated. If not **detected** or treated, the disorder can turn worse and might **disrupt** your day-to-day activities. With proper treatment, it can not only be controlled but also managed well. In simpler words, the brains of some people might function differently which gives rise to OCD, as there is no exact reason _____the disorder.

OCD is a neurological disorder, which is why the treatment might take longer as compared to other diseases. Here are a few treatment options you can consider, only after consulting your doctor first.

In Psychotherapy, your doctor will place you in a situation designed to **create** tension or resolve compulsions. You will learn to reduce your OCD thoughts or actions through this method. It works on the principle of cognitive behavioural therapy, which can help change your way of thinking.

Medicines and drugs can also aid the process of controlling OCD. Meds which have selective serotonin reuptake inhibitors help many people control obsessions and compulsions. The effect of the medicines might take at least 2 months to show and the treatment might continue for a long-time frame. Some common medicines given to OCD patients are- citalopram (Celexa), escitalopram (Lexapro), fluoxetine (Prozac), fluvoxamine, paroxetine (Paxil), and sertraline (Zoloft).

In rare cases, when treatment and medication do not make much difference, certain devices might be used that alter electrical activity in a specific area of your brain. It is called Neuromodulation.

TMS (transcranial magnetic stimulation) is a device which is held above the head of the patient to induce a magnetic field. It targets some specific parts of the brain that regulate OCD symptoms.

The simplest of all methods, which incorporates yoga, exercising, meditation and chanting might also be helpful in mild to moderate cases of OCD. These methods relax the brain and also boosts its capacity. Regularly practicing chanting, meditation or any kind of physical activity can bring about a significant difference.

Q1. According to the author, what is the reason for OCD not being recognized as a disorder by an individual?
(a) The symptoms of OCD resemble our daily habits hence people get bemused in detection.
(b) OCD is a mental illness which is very often portrayed in the media which leads to people not taking it seriously.
(c) The lack of awareness about this disorder can have people not recognizing that it is a serious problem.
(d) None of the above
(e) All of the above

Q2. What does the author state is the reason for people not seeking a professional to help deal with OCD?
(I) There is little to no help available while confronting this disorder since it is not a very well-researched phenomenon.
(II) There are a lot of negative notions about OCD in society that can prevent the person suffering from it from seeking help.
(III) OCD is not recognized by the medical industry as a real disorder/illness, hence, there are no professionals available to treat it.
(a) Statements (II) and (III)
(b) Only (II)
(c) Statements (I) and (III)
(d) Only (III)
(e) Only (I)

Q3. From the information given to us in the passage, we can conclude that the treatment takes longer to reach its end. Why is it so?
(a) There are many different layers and steps to the treatment of OCD which makes it a longer procedure.
(b) OCD is not recognised by the medical field and hence, does not have prominent methods of treatment to be performed.
(c) This is a type of disorder that is neurological in nature, which needs more recovery time
(d) None of the above
(e) All of the above

Q4. Which of the following remedies is NOT mentioned by the author in the passage as a way to treat OCD?
(a) Introduction of devices which help narrow down the electric activity of the brain and work upon them to change the functioning of the brain.
(b) Many relaxation techniques (like yoga, meditation and chanting) have been proven to be effective for some OCD diagnosed individuals.
(c) Activities like taking up newer hobbies (like reading, playing a sport, cooking, etc.) can help these individuals to divert their brains from obsessive-compulsive behaviours.
(d) None of these
(e) All of these

Q5. What is the core message of the passage that the author is trying to relay to the readers?
(a) The author aims to spread awareness about the OCD disorder so that it can be taken seriously and then goes onto suggest different remedies to it which can be opted for after the diagnosis.
(b) Explanation of how OCD is different than other mental disorders/illnesses and discusses parameters of the differences.
(c) The passage talks about different mental illnesses and how they are active in society and the lack of awareness around them.
(d) None of the above
(e) All of the above

Q6. If OCD were to be treated by psychotherapy, how does the treatment be done?
(I) Talking about OCD related thoughts in psychotherapy helps them give it a vent and that leads to a reduction in obsessive actions/thoughts.
(II) An OCD diagnosed person is put in a case to create tension or resolve compulsion thereby helping them reduce the frequency of them.
(III) Psychotherapists refer these individuals to psychiatrists which are more efficient in dealing with disorders like OCD and such.
(a) Both (II) and (III)
(b) Only (II)
(c) Both (I) and (III)
(d) Only (III)
(e) Both (I) and (II)

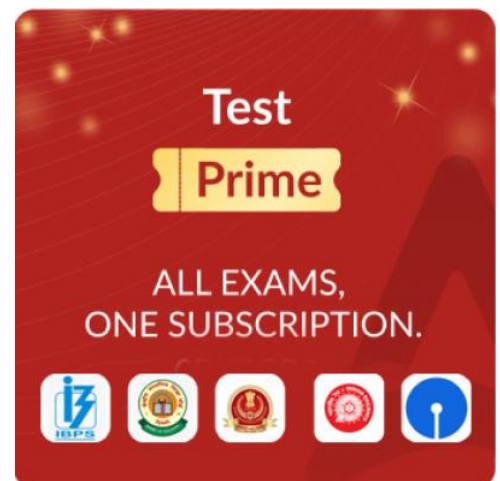**Q7.** Select the synonym of **detect** as highlighted in the passage.
(a) exploit
(b) obscure
(c) recognize
(d) symbolic
(e) None of the above

Q8. Select the antonym of **create** as highlighted in the passage.
(a) cryptic
(b) abolish
(c) whimsical
(d) remorse
(e) None of the above

Q9. Which one of the following words will be used to complete the phrase 'reason _____ the disorder'?
(a) behind
(b) along
(c) carry
(d) almost
(e) at

Q10. What is a word that is similar to **disrupt** as highlighted in the passage?
(a) drastic
(b) concede
(c) attach
(d) disturb
(e) None of the above

Directions (11-15): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five options are given. Find out the appropriate word which fits the blank appropriately.

Q11. Mysterious findings inside an _____**(11)** cave in Mexico shed some light on ancient Maya rituals. Dozens of black and red handprints cover the walls of the cave, and they are believed to be _____**(12)** with a coming-of-age ritual of the ancient Maya. The handprints are mostly made by children, and they date back more than 1,200 years when Maya's advanced culture was at its zenith. According to _____**(13)**, the colours have a meaning. The black colour symbolized death; however, it didn't mean that the children were going to be killed but rather death from a ritual _____**(14)**. The colour red referred to war or life when children went out and they came in _____-**(15)** with the rest of society in a safe way. The cave is located near the northern tip of the Yucatan peninsula that houses the popular archaeological tourist site, Chichen Itza. Several million Maya still live in communities across south-eastern Mexican states as well as Guatemala and Belize.
(a) underground
(b) capability
(c) endowed
(d) aristocratic
(e) None of the above

Q12. Mysterious findings inside an _____**(11)** cave in Mexico shed some light on ancient Maya rituals. Dozens of black and red handprints cover the walls of the cave, and they are believed to be _____**(12)** with a coming-of-age ritual of the ancient Maya. The handprints are mostly made by children, and they date back more than 1,200 years when Maya's advanced culture was at its zenith. According to _____**(13)**, the colours have a meaning. The black colour symbolized death; however, it didn't mean that the children were going to be killed but rather death from a ritual _____**(14)**. The colour red referred to war or life when children went out and they came in _____-**(15)** with the rest of society in a safe way. The cave is located near the northern tip of the Yucatan peninsula that houses the popular archaeological tourist site, Chichen Itza. Several million Maya still live in communities across south-eastern Mexican states as well as Guatemala and Belize.
(a) mustered
(b) innovative
(c) motivated
(d) associated
(e) None of the above

Q13. Mysterious findings inside an _____**(11)** cave in Mexico shed some light on ancient Maya rituals. Dozens of black and red handprints cover the walls of the cave, and they are believed to be _____**(12)** with a coming-of-age ritual of the ancient Maya. The handprints are mostly made by children, and they date back more than 1,200 years when Maya's advanced culture was at its zenith. According to _____**(13)**, the colours have a meaning. The black colour symbolized death; however, it didn't mean that the children were going to be killed but rather death from a ritual _____**(14)**. The colour red referred to war or life when children went out and they came in _____-**(15)** with the rest of society in a safe way. The cave is located near the northern tip of the Yucatan peninsula that houses the popular archaeological tourist site, Chichen Itza. Several million Maya still live in communities across south-eastern Mexican states as well as Guatemala and Belize.
(a) physicians
(b) archaeologists
(c) actors
(d) cardiologists
(e) None of the above

Q14. Mysterious findings inside an _____**(11)** cave in Mexico shed some light on ancient Maya rituals. Dozens of black and red handprints cover the walls of the cave, and they are believed to be _____**(12)** with a coming-of-age ritual of the ancient Maya. The handprints are mostly made by children, and they date back more than 1,200 years when Maya's advanced culture was at its zenith. According to _____**(13)**, the colours have a meaning. The black colour symbolized death; however, it didn't mean that the children were going to be killed but rather death from a ritual _____**(14)**. The colour red referred to war or life when children went out and they came in _____-**(15)** with the rest of society in a safe way. The cave is located near the northern tip of the Yucatan peninsula that houses the popular archaeological tourist site, Chichen Itza. Several million Maya still live in communities across south-eastern Mexican states as well as Guatemala and Belize.
(a) vicinity
(b) omnipotent
(c) reliant
(d) perspective
(e) None of the above

Q15. Mysterious findings inside an _____**(11)** cave in Mexico shed some light on ancient Maya rituals. Dozens of black and red handprints cover the walls of the cave, and they are believed to be _____**(12)** with a coming-of-age ritual of the ancient Maya. The handprints are mostly made by children, and they date back more than 1,200 years when Maya's advanced culture was at its zenith. According to _____**(13)**, the colours have a meaning. The black colour symbolized death; however, it didn't mean that the children were going to be killed but rather death from a ritual _____**(14)**. The colour red referred to war or life when children went out and they came in _____-**(15)** with the rest of society in a safe way. The cave is located near the northern tip of the Yucatan peninsula that houses the popular archaeological tourist site, Chichen Itza. Several million Maya still live in communities across south-eastern Mexican states as well as Guatemala and Belize.
(a) notorious
(b) contact
(c) jurisdiction
(d) collaborate
(e) None of the above

Directions (16-20): In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it is then select option (E) as your choice.

Q16. The Ministers **inculcating (A)** how to change the **existing (B)** rote-learning set up and work on **discussed (C)** positive **mindsets (D)** in students.
(a) A - D
(b) B- D
(c) C- D
(d) A - C
(e) No error

Q17. The **vaccination (A)** programme is completely **voluntary (B)** and government cannot ask anyone to **registered (C)** take the shot even if the person has **compulsorily (D)** for it
(a) D- B
(b) A- D
(c) C- D
(d) A – C
(e) No error

Q18. The High Court has held that parents are **dependent (A)** on their children at some stage of their life and it would be **inequitable (B)** to deny **wards (C)** to those who lost their **compensation (D)** in road accidents
(a) C-D
(b) B- D
(c) C- A
(d) A – C and B-D
(e) No error

Q19. The government **expected (A)** the unions to come up with a **implementation (B)** other than the **revocation (C)** of the laws as the court had stayed the **proposal (D)** of the laws.
(a) A – B
(b) B- D
(c) C- D
(d) A - C
(e) No error

Q20. The Health Ministry has **conduct (A)** the States and the Union Territories to **advised (B)** vaccination on only four days a week to minimise **disruption (C)** to **routine (D)** health services.
(a) D- B
(b) A- D
(c) C- D
(d) A – B
(e) No error

Directions (21-25): In the following questions, a sentence is divided into four parts. One of these parts may have grammatical or idiomatic error in it. Choose the part containing error as your answer. If there is no error in the given sentence then choose option (E) as your answer.

Q21. India is all set to join (A)/ World Health Organization's "solidarity trial" (B)/ aimed at rapid global search (C)/ for drugs to treat COVID-19 (D)/ No Error.
(a) A
(b) B
(c) C
(d) D
(e) No error.

Q22. The Union Health Ministry announced (A)/ that it was scaling up measures to combat (B)/the virus by bring in (C)/40,000 more ventilators in the next three months (D)/ No Error.
(a) A
(b) B
(c) C
(d) D
(e) No error.

Q23. India will setting up an electronic platform (A)/ to help member-countries of the (B)/South Asian Association for Regional (C)/ Cooperation fight the COVID-19 pandemic (D)/ No Error.
(a) A
(b) B
(c) C
(d) D
(e) No error.

Q24. The Union government has asked (A)/ all the States and Union Territories to (B)/ensure that caregivers of persons with (C)/disabilities was able to reach them during the lockdown (D)/ No Error.
(a) A
(b) B
(c) C
(d) D
(e) No error.

Q25. British Prime Minister Boris Johnson said (A)/ he has tested positive for the coronavirus, (B)/ while the number of infection in (C)/ the U.S. surged to the most in the world (D)/ No Error.
(a) A
(b) B
(c) C
(d) D
(e) No error.

Directions (26-30): In each of the following questions given below a sentence is given with three words in bold. Choose the option which gives the correct sequence of these words to make the sentence grammatically and contextually correct.

Q26. The Supreme Court in its recent **acquisition (A)** upheld the land **highway (B)** deal related to Chennai-Salem **verdict (C)**.
(a) ACB
(b) BCA
(c) CAB
(d) CBA
(e) No correction required

Q27. The Indian **structure (A)** of political **form (B)** is democratic, pluralistic and **parliamentary (C)**.
(a) ACB
(b) BAC
(c) CAB
(d) CBA
(e) No correction required

Q28. The High court has shown **livelihood (A)** sensitivity to possible **concerns (B)** and ecological **greater (C)**.
(a) ACB
(b) BAC
(c) CAB
(d) CBA
(e) No correction required

Q29. While **states(A)** such as West Bengal and Uttar Pradesh feature **prominently(B)** in the media for notorious **reasons(C)**.
(a) ACB
(b) BAC
(c) CAB
(d) CBA
(e) No correction required

Q30. The country needs to **retain (A)** its financial **earmarked(B)** for nutrition schemes it has **commitments (C)**.
(a) ACB
(b) BAC
(c) CAB
(d) CBA
(e) No correction required

Directions (31-35): What will come in the place of questions (?) mark in following number series.

Q31. 1030,   1024,   1010,   969,   864,   ?
(a) 634
(b) 624
(c) 614
(d) 654
(e) 604

Q32. 6,   5,   7,   16,   66,   ?
(a) 520
(b) 530
(c) 540
(d) 560
(e) 480

Q33. 12,   ?,   63,   114,   182,   267
(a) 25
(b) 33
(c) 27
(d) 29
(e) 31

Q34. 12,   48,   24,   96,   ?,   192
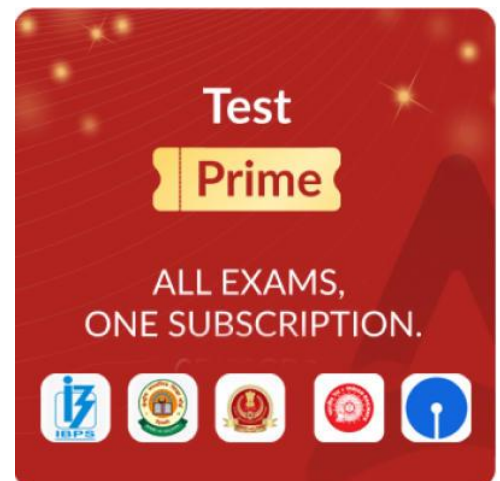(a) 48
(b) 24
(c) 64
(d) 60
(e) 12

Q35. 10,   8,   13,   ? ,   135,   669
(a) 30
(b) 32
(c) 35
(d) 38
(e) 40

Directions (36-41): What approximate value will come in place of question (?) in the following questions?

Q36. $?^2 = 49.01 + 40.099\%$ of $199.98 - 28.99$
(a) 15
(b) 12
(c) 11
(d) 10
(e) 13

Q37. 24.99% of 119.96 + 20.10% of 499.99 = ?
(a) 130
(b) 150
(c) 90
(d) 160
(e) 200

Q38. $124.95 \div 25.01 + 49.90 - 19.99\%$ of $120.20 = ?$
(a) 21
(b) 26
(c) 31
(d) 39
(e) 41

Q39. $\sqrt{960.93} \times 11.9 - 172.1 = (?)^2 \div 2$
(a) 15
(b) 20
(c) 18
(d) 12
(e) 17

Q40. $231.001 + 320.001 \div 9.999 = ? - 11.909$
(a) 270
(b) 316
(c) 253
(d) 275
(e) 305

Q41. $(23.012 \times 22.989) + 20.985 \times 7.014 = ?^2$
(a) 8
(b) 38
(c) 26
(d) 12
(e) 44

Q42. A shopkeeper purchased two chairs at same price and he sells the first chair at profit of 12%. If selling price of second chair is Rs. 180 more than the selling price of the first chair and overall profit of shopkeeper is 15%, then find the cost price of one chair?
(a) Rs 3600
(b) Rs 3000
(c) Rs 4000
(d) Rs 4800
(e) Rs 5400

Q43. A work for 10 days and remaining work was completed by B in 18 days. If B work for 24 days, then remaining work was completed by A in 6 days. Find how much time B will take to complete the work alone?
(a) 27 days
(b) 33 days
(c) 25 days
(d) 36 days
(e) 31 days

Q44. A vessel contains mixture of milk and water in which milk is 75%. If 80 litres water added, then quantity of milk to water becomes 3 : 2. Find the quantity of milk in mixture initially?
(a) 200 l
(b) 280 l
(c) 320 l
(d) 240 l
(e) 160 l

Q45. Investment of A is 25% less than B and A gets Rs. 5400 as profit share out of total profit of Rs. 10200. Find period of investment of B is what percent of that of A?
(a) $33\frac{1}{3}\%$
(b) 50%
(c) $66\frac{2}{3}\%$
(d) 75%
(e) 70%

Directions (46-50): Line chart (I) chart shows the percentage distribution of total employees of a company in five different departments and line chart (II) shows percentage distribution of total male employees of the company in these five departments. Study the Line charts given below and answer the following questions.
Note – Total employee in company = Total male employee + Total female employee

(II) Total male employee in company = 30000
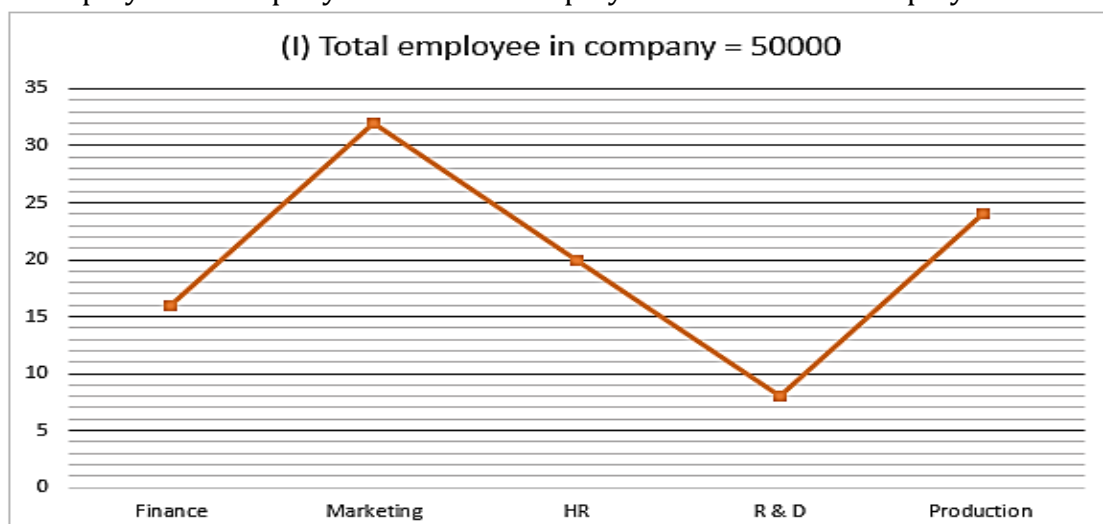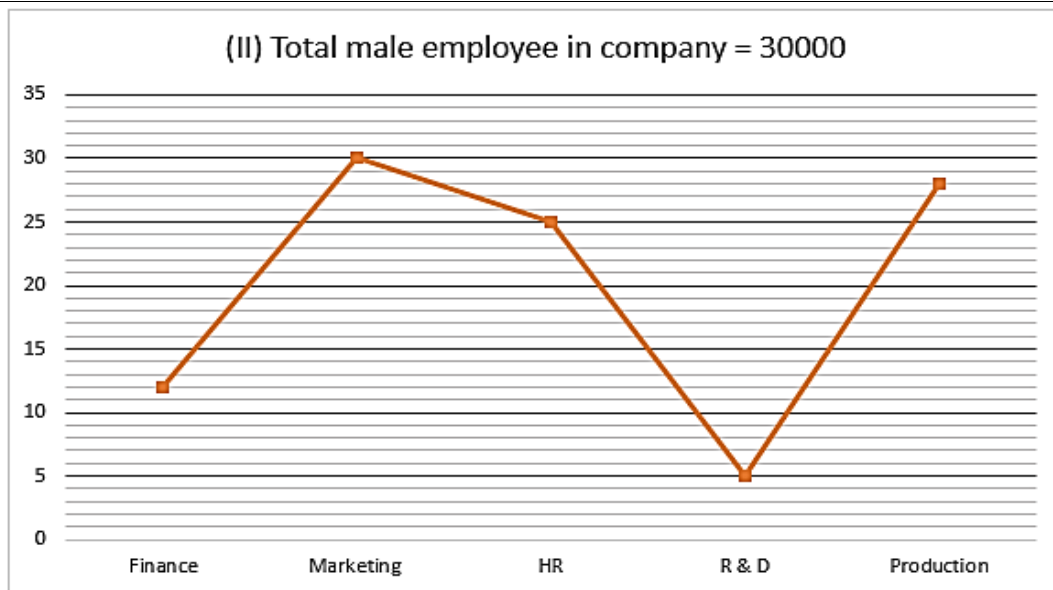
Q46. Find total number of female employees in HR, R & D and Production departments together.
(a) 7500
(b) 9600
(c) 7200
(d) 8600
(e) 8000

Q47. Female employees in Finance and Marketing departments together are what percent of total employees in Production department?
(a) 94%
(b) 96%
(c) 98%
(d) 99%
(e) 95%

Q48. Find average number of male employees in Finance, HR & Production departments.
(a) 8000
(b) 5000
(c) 4500
(d) 9500
(e) 6500

Q49. Male employees in Marketing and R & D departments together are what percent of total employees in Marketing and R & D departments together?
(a) 86.5%
(b) 52.5%
(c) 34.5%
(d) 48.5%
(e) 74.5%

Q50. Find ratio of male employees in Finance and Production departments together to female employees in Finance and Production departments together.
(a) 4:3
(b) 4:5
(c) 6:1
(d) 3:2
(e) None of the above.

Q51. Four years ago, the ratio of present age of Ravi to that of Vicky 5: 6. The ratio of present age of Rocky to that of Vicky is 5: 4. If 2 years later sum of age of Ravi and Rocky will be 63 years, then find the difference between present age of Ravi and Vicky?
(a) 4 years
(b) 2 years
(c) 8 years
(d) 6 years
(e) 5 years

Q52. Breadth of a rectangle is 25% less than its length and area of the rectangle is 432 cm^2. Find the area of a square, which side is equal to diagonal of the rectangle (in cm^2)?
(a) 1600
(b)1296
(c) 784
(d)1024
(e) 900

Q53. A man invested an amount on simple interest, and it becomes 100% more of itself in ten years. If a man invested same amount at the same rate of interest on compound interest annually and he gets Rs. 9680 as amount after two years, then find amount invested by a man (in Rs.)?
(a) 8800
(b) 7200
(c) 9600
(d) 8000
(e) 6000

Q54. In three numbers, second number is thrice of the first number, while third number is six times the second. The average of these three numbers is 66. A new number, which is four more than the average of these three numbers is included, then find average of first and the new number.
(a) 38.5
(b) 38
(c) 39
(d) 39.5
(e) 40

Q55. Manoj takes twice the time to cover a distance 'D' km than time taken by Shreya to cover 2D km. Manoj started from his home & after 30 min, Shreya started from his house but she catches him after travelling for 20/3 km. Find speed of Shreya. (Speed is considered in kmph)
(a) 40 kmph
(b) 13.33 kmph
(c) 28.5 kmph
(d) 17.77 kmph
(e) None of these

Directions (56-60): Study the given passage carefully and answer the questions.
In an office, there are 200 employees who consume any product (Espresso, Cappuccino, and Latte) of Nescafe. 25 employees consume espresso & latte both while 15 consume espresso & cappuccino both. 35 consume only latte. 95 employees consume espresso. 30 consume all 3 drinks. 100 employees consume exactly one drink.

Q56. How many employees do drink exactly 2 drinks?
(a) 75
(b) 100
(c) 70
(d) 80
(e) 65

Q57. Employees consuming cappuccino are approximately what percent of employees consuming latte?
(a) 92%
(b) 98%
(c) 94%
(d) 96%
(e) 99%

Q58. What is the ratio of employees consuming only espresso to employees consuming cappuccino & latte both?
(a) 5:6
(b) 5:8
(c) 3:4
(d) 6:5
(e) 8:5

Q59. What is the total no. of employees that consumes more than one drink?
(a) 90
(b) 110
(c) 80
(d) 95
(e) 100

Q60. Average no. of employees consuming only espresso & only latte are how much more/less than average no. of employees consuming cappuccino & latte both and all 3 drinks?
(a) 2.5
(b) 0
(c) 5
(d) 7.5
(e) 10

Directions (61-65): Table given below shows total number of food packets (in hundred) distibributed by kerala government in five cities which are flood affected and also shows percentage of packets consumed by people in these five cities. Read the data carefully and answer the questions.

Cites	Total number of food packets (in hundred) distibributed by kerala government	Percentage of packets consumed by people
A	45	24%
B	55	35%
C	60	48%
D	45	30%
E	40	45%

Note- Total packet in any city= Consumed packets + Unconsumed packets

Q61. If total number of packets distributed in city X is $33\frac{1}{3}$% more than that of total unconsumed packets in the city C and total 35% people consumed packets in city X, then find difference between total unconsumed packets in city X and A?
(a) 300
(b) 320
(c) 360
(d) 716
(e) 240

Q62. Find the ratio of difference between consumed food packets in city A & E to the difference between consumed food packets in the city B & D?
(a) 144 : 115
(b) 144 : 125
(c) 144 : 119
(d) 144 : 109
(e) 144 : 137

Q63. 55% of total consumed food packets in city C are consumed by male, then find total food packets consumed by female in same city is approximately what percent of total unconsumed food packets in city A?
(a) 40%
(b) 44%
(c) 49%
(d) 38%
(e) 52%

Q64. Find the sum of number of unconsumed food packets in city A, B, C & E?
(a) 13045
(b) 12315
(c) 13040
(d) 12055
(e) 13025

Q65. If total food packets distributed by government in all cities including these five cities is 925% more than total food packet consumed in city C, then find total food packets distributed in other cities except these five cities?
(a) 5040
(b) 5060
(c) 5020
(d) 5080
(e) 5000

Q66. In which among the following statements, G≥V and T>P holds definitely true, if the given statements are definitely true?
(a) C≥V≥Z>T; G≥Z>P=R
(b) C<V≤Z>T; G≥Z<P≤R
(c) C>V≤Z<T; G≥Z>P>R
(d) C≥V≥Z≥T; G<Z≤P<R
(e) C≤V<Z≤T; G<Z=P>R

Directions (67-71): Study the following information and answer the questions given below:
Ten persons A, B, C, D, E, F, G, H, J and P live on five different floors in a building (but not necessarily in the same order). The bottommost floor is numbered as 1st floor, just above floor is numbered as 2nd floor and so on. Each floor has two flats i.e., P and Q. Flat P is in the west of Flat Q. Flat P of floor 2 is immediate above to the flat P of floor 1 and immeiate below to the flat P of floor 3. In the same way, flat Q of floor 2 is just aboe to the flat Q of floor 1 and just below to the flat Q of floor 3.
A lives in flat Q on even numbered floor. There is two floors gap between A and C. C lives to the west of E. F lives to the north-west of D. D lives on the odd numbered floor. Two floors gap between F and G. Both F and G lives in the same flat. One floor gap between E and B. No one lives to the east of B. H lives just above J.

Q67. How many persons live below B?
(a) Five
(b) Four
(c) One
(d) Two
(e) None of these

Q68. Who among the following lives just above the flat of P?
(a) J
(b) C
(c) E
(d) A
(e) None of these

Q69. Who among the following does not live below B?
(a) G
(b) A
(c) J
(d) E
(e) D

Q70. P lives in which among the following flat and floor?
(a) Flat Q - floor 4
(b) Flat Q - floor 5
(c) Flat P – floor 4
(d) Flat P – floor 5
(e) Flat P – floor 3

Q71. Who among the following lives two floors below H?
(a) C
(b) E
(c) A
(d) G
(e) J

Q72. In the given statement, which among the following sign would replace the symbol % and & in the statement, G≥V%Z≥P=T, H>T=K&L≥M to make the coclusion G≥K and Z>M definitely true?
(a) =, =
(b) ≥, ≥
(c) ≥, >
(d) <, =
(e) <, ≥

Q73. How many pair of letters are there in the word LUCKIEST, each of which has as many letters between them (in both forward and backward direction) as they have according to English alphabetical series?
(a) Two
(b) One
(c) None
(d) Three
(e) More than three

Directions (74-78): Study the given information and answer the questions below:

A certain number of persons sit in a linear row and all face north. Six persons sit between Z and A. M sits fifth to the left of Z. R sits immediate right to Z. No person sits between R and B. T sits second to the right of M. P sits sixth to the left of T. The number of persons sit between T and P is same as the number of persons sit to the right of A. P sits third to the right of Q.

Q74. Who among the following sits fourth to the right of T?
(a) Z
(b) R
(c) B
(d) Q
(e) Either R or B

Q75. If the number of persons sit to the left of Q is two less than the number of persons sit to the right of A, then find the total number of persons sit in the row?
(a) 26
(b) 25
(c) 28
(d) 27
(e) Can't be determined

Q76. How many persons sit between Q and M?
(a) Three
(b) Five
(c) Seven
(d) Six
(e) None of these

Q77. What is the position of A with respect to B?
(a) Fourth to the left
(b) Sixth to the right
(c) Fifth to the right
(d) Fifth to the left
(e) None of these

Q78. Who among the following sits between Z and B?
(a) No one
(b) R
(c) Q
(d) P
(e) None of these

Q79. Find the odd one out?
(a) QSVP
(b) MORL
(c) HJMG
(d) ILPH
(e) EGJD

Q80. If we form a meaningful word by the first, third, fifth and sixth letter of the word 'CLUTTER", then which of the following will be the third letter from left of the word thus formed. If more than one word is formed mark Y as your answer. If no meaningful word is formed, mark X as your answer?
(a) X
(b) T
(c) C
(d) U
(e) Y

Directions (81-85): Study the following information and answer the questions below:
Six persons A, B, C, D, G and F were born in six different years viz. 1976, 1980, 1983, 1991, 1998 and 2004 on the same date and in the same month but not necessarily in the same order. Age of all the persons is calculated according to the base year 2021. They all like different fruits.
Age of the one who likes banana is an even number. Two persons were born between B and the one who likes banana. Age of A is a multiple of 5. The one who likes avocado was born just after A. Difference between the age of G and the one who likes avocado is 15years. No one was born between G and the one who likes cherry. F is just older to the one who likes cherry. The one who likes blueberry is the youngest person among all. C is older to the one who likes apricot and younger to the one who likes orange.

Q81. Who among the following was born in 1998?
(a) The one who likes cherry
(b) D
(c) B
(d) The one who likes apricot
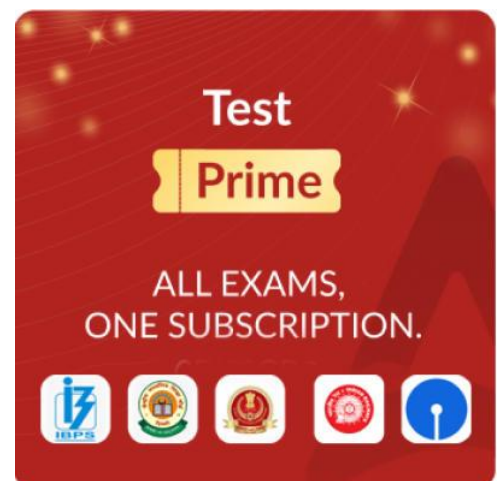(e) None of these

Q82. Who among the following is 41 years old?
(a) The one who likes avocado
(b) The one who likes banana
(c) F
(d) C
(e) None of these

Q83. Who among the following likes 'blueberry'?
(a) The one who was born in 1983
(b) The one who is just younger to D
(c) The one who is 23 years old
(d) A
(e) None of these

Q84. Which among the following pair is incorrect?
(a) C-41 years
(b) F-Orange
(c) 1983-A
(d) 2004- Blueberry
(e) D-23 years

Q85. Which among the following fruit is liked by the oldest person?
(a) Orange
(b) Cherry
(c) Blueberry
(d) Apricot
(e) None of these

Directions (86-90): Study the given information and answer the following questions:
Six persons A, B, C, D, E and F were born in different days (but not necessarily in the same order) of the same week starting from Monday and ending on Saturday. They also like different vegetables.
C was born before Wednesday. Two persons were born between C and the one who likes spinach. One person was born between the one who likes spinach and the one who likes asparagus. D was born just after the one who likes asparagus. Two persons were born between D and B. F was born between D and B. The one who likes broccoli was born just before F. E was born before the one who likes beetroot and after the one who likes basil. The one who likes mushroom was born just after the one who likes beetroot. A was born after E.

Q86. Who among the following persons like mushroom?
(a) B
(b) A
(c) F
(d) C
(e) None of these

Q87. Who among the following was born on Wednesday?
(a) The one who likes asparagus
(b) The one who likes broccoli
(c) B
(d) F
(e) None of these

Q88. A likes which among the following vegetables?
(a) Mushroom
(b) Spinach
(c) Beetroot
(d) Basil
(e) None of these

Q89. Four among the following five are same in a certain manner, which among the following does not belong to the group?
(a) C-F
(b) C-E
(c) E-D
(d) D-F
(e) A-B

Q90. The one who was born on Thursday likes which among the following vegetables?
(a) Broccoli
(b) Basil
(c) Mushroom
(d) Spinach
(e) None of these

Directions (91-93): Study the given information and answer the following questions:
A person walks 21m towards south point L to reach point P. Now, he walks 23m towards west from point P to reach point R. Now he turns left from R and walks 29m to reach point B. From point B, he turns to his left and walks 44m to reach point G. Now, he walks 17m towards north from point G and reached at point H. Now, he takes a right turn and walks 10m to reach point T. From T, he walks 23m towards north and reached point M. Finally, from M, he walks certain distance towards north and reached point N in such a way that N is in the east of L.

Q91. What is the distance between L and N?
(a) 30m
(b) 31m
(c) 33m
(d) 32m
(e) None of these

Q92. What is the direction of M with respect to P?
(a) South-east
(b) East
(c) North-east
(d) West
(e) None of these

Q93. What is the distance between N and M?
(a) 10m
(b) 21m
(c) 11m
(d) 12m
(e) Can't be determined

Directions (94-97): Study the following information and answer the questions below:
Eight persons G, T, B, V, H, K, R and P sit in a linear row but not necessarily in the same order. Four persons face north and four face south direction.
T sits second from one of the extreme ends of the row. Two persons sit between T and B. K sits third to the right of B. G sits fourth to the right of K. One person sits between G and P. K and P face the same direction. V sits third to the right of P. Immediate neighbours of G face the same direction. R sits adjacent to P and face north. Not more than two consecutive persons face the same direction. V and H face the same direction.

Q94. Who among the following sits immediate left of G?
(a) B
(b) V
(c) Either B or V
(d) H
(e) None of these

Q95. What is the position of H with respect to V?
(a) Second to the right
(b) Second to the left
(c) Third to the left
(d) Third to the right
(e) None of these

Q96. How many persons sit between V and K?
(a) Five
(b) Two
(c) Three
(d) Four
(e) None of these

Q97. Who among the following is the immediate neighbour of R?
(a) T
(b) B
(c) K
(d) V
(e) G

Directions (98-100): In each of the questions below some statements are given followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q98. Statements:
Only a few bottles are metal.
No metal is matter.
Only a few plants are matter.
Conclusion:
I. Some plants are not metal.
II. Some bottles can never be matter.
(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 conclusion I and II follow.

Q99. Statements:
All days are month.
No days are dates.
All dates are year.
Conclusion:
I. All days are year is a possibility.
II. Some year are not month.
(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 conclusion I and II follow.

Q100. Statements:
No black is blue.
All blue is green.
Only a few red is green.
Conclusion:
I. No black is green.
II. Some red is not green.
(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 conclusion I and II follow.

Solutions

S1. Ans.(a)
Sol. The correct choice for the answer is option (a): The symptoms of OCD resemble our daily habits hence people get bemused in detection.
The answer is in the first paragraph where it says "You must be able to detect OCD correctly, as people often confuse it with their normal habits."
Hence, option (a) is the correct choice for the answer.

S2. Ans.(b)
Sol. The correct choice for the answer is option (b): There are a lot of negative notions about OCD in society that can prevent the person suffering from it from seeking help.
The answer can be found in the second paragraph where it is mentioned "Social stigma is a big issue, which is why many patients shy away from seeking medical help."
Hence, option (b) is the correct choice for the answer.

S3. Ans.(c)
Sol. The correct choice for the answer is option (c): This is a type of disorder that is neurological in nature, which needs more recovery time.
It is mentioned in the first line of the third paragraph where it is said "OCD is a neurological disorder, which is why the treatment might take longer as compared to other diseases."
Hence, option (c) is the correct choice for the answer.

S4. Ans.(c)

Sol. The correct choice for the answer is option (c): Activities like taking up newer hobbies (like reading, playing a sport, cooking, etc.) can help these individuals to divert their brains from the obsessive-compulsive behaviours.

Option (c) is not mentioned anywhere in the passage, while option (a) is mentioned in the last paragraph: In rare cases, when treatment and medication do not make much difference, certain devices might be used that alter electrical activity in a specific area of your brain. It is called Neuromodulation.

Option (b) can be found in the same paragraph where it says "The simplest of all methods, which incorporates yoga, exercising, meditation and chanting might also be helpful in mild to moderate cases of OCD."

Hence, option (c) is the correct choice for the answer.

S5. Ans.(a)

Sol. The correct choice for the answer is option (a): The author aims to spread awareness about the OCD disorder so that it can be taken seriously and then goes onto suggest different remedies to it which can be opted for after the diagnosis.

As we read the passage, we get to know that the author's intentions are to educate the reader about OCD as a mental illness and to dispel any misconceptions around it so people can come forward and seek help without any shame. Further on, the passage suggests different ways through which it can be treated but only after a consultation with a professional.

Hence, option (a) is the correct choice for the answer.

S6. Ans.(b)

Sol. The correct choice for the answer is option (b): Only II.

The statement is in the third paragraph where it is mentioned "In Psychotherapy, your doctor will place you in a situation designed to create tension or resolve compulsions. You will learn to reduce your OCD thoughts or actions through this method."

None of the other statements are mentioned anywhere in the passage.

Hence, option (b) is the correct choice for the answer.

S7. Ans.(c)

Sol. Recognize means to identify (someone or something) from having encountered them before; know again. This meaning is similar to that of detects.

Hence, recognize is the synonym of detect.

Exploit means use in an unfair or selfish way; make full use of and derive benefit from.

Obscure means not discovered or known about; uncertain.

Symbolic means serving as a visible symbol for something abstract.

S8. Ans.(b)

Sol. Abolish means to end an activity, custom, etc. completely or by law or official action.

This meaning is opposite of create, making it the antonym of create.

Cryptic means having a meaning that is mysterious or obscure.

Whimsical means unusual in a playful or amusing way; not serious.

Remorse means deep and painful regret for wrongdoing.

S9. Ans.(a)
Sol. The correct choice for the answer is option (a): behind.
The correct phrase is 'behind the disorder'. The sentence means that there can be no reasons found for the development of OCD in people.

S10. Ans.(d)
Sol. Disturb means to interfere with the normal arrangement or functioning of. This meaning is similar to that of disrupt. Hence, this makes it a synonym of disrupt.
Drastic means prevent (someone) from concentrating on something.
Concede means admit or agree that something is true after first denying or resisting it.
Attach means join or fasten (something) to something else.

S11. Ans.(a)
Sol. Underground means situated beneath the surface of the ground.
Hence, it is the appropriate choice to fill the blank.
Capability means the power or ability to do something.
Endowed means provide with a quality, ability, or asset.
Aristocratic means of, belonging to, or typical of the aristocracy.

S12. Ans.(d)
Sol. Associated means (of a person or thing) connected with something else.
Hence, it is the appropriate choice to fill the blank.
Mustered means collect or assemble (a number or amount).
Innovative means (of a person) introducing new ideas; original and creative in thinking.
Motivated means provide (someone) with a reason for doing something.

S13. Ans.(b)
Sol. Archaeologist is a person who studies human history and prehistory through the excavation of sites and the analysis of artefacts and other physical remains.
Hence, it is the appropriate choice to fill the blank.
Physician is a person qualified to practise medicine, especially one who specializes in diagnosis and medical treatment as distinct from surgery.
Actor is a person whose profession is acting on the stage, in films, or on television.
Cardiologist is a doctor who specializes in the study or treatment of heart diseases and heart abnormalities.

S14. Ans.(d)
Sol. Perspective means a particular attitude towards or way of regarding something; a point of view.
Hence, it is the appropriate choice to fill the blank.
Vicinity means a surrounding area or district: neighbourhood.
Omnipotent means (of a deity) having unlimited power.
Reliant means dependent on someone or something.

S15. Ans.(b)
Sol. Contact means the action of communicating or meeting.
Hence, it is the appropriate choice to fill the blank.
Notorious means famous or well known, typically for some bad quality or deed.
Jurisdiction means the official power to make legal decisions and judgements.
Collaborate means work jointly on an activity or project.

S16. Ans.(d)
Sol. Words A-C should be interchanged to form a grammatically and contextually correct sentence. The correct sentence will be "The Ministers discussed how to change the existing rote-learning set up and work on inculcating positive mindsets in students".

S17. Ans.(c)
Sol. Words C-D should be interchanged to form a grammatically and contextually correct sentence. The correct sentence will be "The vaccination programme is completely voluntary and government cannot ask anyone to compulsorily take the shot even if the person has registered for it".

S18. Ans.(a)
Sol. Words C-D should be interchanged to form a grammatically and contextually correct sentence. The correct sentence will be "The High Court has held that parents are dependent on their children at some stage of their life and it would be inequitable to deny compensation to those who lost their wards in road accidents"

S19. Ans.(b)
Sol. Words B-D should be interchanged to form a grammatically and contextually correct sentence. The correct sentence will be "The government expected the unions to come up with a proposal other than the revocation of the laws as the court had stayed the implementation of the laws".

S20. Ans.(d)
Sol. Words A-B should be interchanged to form a grammatically and contextually correct sentence. The correct sentence will be "The Health Ministry has advised the States and the Union Territories to conduct vaccination on only four days a week to minimise disruption to routine health services".

S21. Ans.(e)
Sol. There is no error in the given sentence. So, the correct answer choice is option (e).

S22. Ans.(c)
Sol. Error lies in part (C). In this part, instead of 'bring' it should be 'bringing' because the given sentence is in past continuous tense as can be seen from the usage of 'was scaling' in part (B). So, the correct answer choice is option (c).

S23. Ans.(a)
Sol. Error lies in part (A). In this, usage of 'setting' is incorrect because modal verbs are generally followed by V1. So, either it should be 'be setting' or 'set'. So, the correct answer choice is option (a).

S24. Ans.(d)
Sol. Error lies in part (D). In this, instead of 'was' it should be 'were' because the given sentence is in present tense, as can be seen from the usage of 'has' in the first part of the sentence. So, the correct answer choice is option (d).

S25. Ans.(c)
Sol. In part (C), 'infection' should be replaced with 'infections' because 'the number' is followed by plural noun and singular verb whereas 'a number' is followed by 'plural verb'. So, the correct answer choice is option (c).

S26. Ans.(c)
Sol. The correct arrangement of words is- "CAB". The sentence hence formed is- "The Supreme Court in its recent **verdict** upheld the land **acquisition** deal related to Chennai-Salem **Highway**."

S27. Ans.(b)
Sol. The correct arrangement of words is- "BAC". The sentence hence formed is- "The Indian **form** of political **structure** is democratic, pluralistic and **parliamentary**"

S28. Ans.(c)
Sol. The correct arrangement of words is- "CAB". The sentence hence formed is- "The High court has shown **greater** sensitivity to possible **livelihood** and ecological **concerns**."

S29. Ans.(e)
Sol. The sentence needs no correction- "While **states** such as West Bengal and Uttar Pradesh feature **prominently** in the media for notorious **reasons**."

S30. Ans.(a)
Sol. The correct arrangement of words is- "ACB". The sentence hence formed is- The country needs to **retain** its financial **commitments** for nutrition schemes it has **earmarked**.

S31. Ans.(a)
Sol.
Pattern of series –
1030,   1024,   1010,   969,   864,   ? = **634**
     −6   − 14   − 41   − 105   −230
          −8   − 27   − 64   − 125

S32. Ans.(b)
Sol.
Pattern of series –
$6 \times 0.5 + 2 = 5$
$5 \times 1 + 2 = 7$
$7 \times 2 + 2 = 16$
$16 \times 4 \times 2 = 66$
$66 \times 8 + 2 = 530$

S33. Ans.(d)

Sol.

Pattern of series –

12,   ?= 29,   63,   114,   182,   267

      +17   +34   +51   +68   +85

S34. Ans.(a)

Sol.

Pattern of series –

$12 \times 4 = 48$

$48 \div 2 = 24$

$24 \times 4 = 96$

$? = 96 \div 2 = 48$

$48 \times 4 = 192$

S35. Ans.(c)

Sol.

Pattern of series

10   8   13   35   135   669

 ×1–2   ×2–3   ×3–4   ×4–5   ×5–6

S36. Ans.(d)

Sol.

$?^2 = 49 + \frac{40}{100} \times 200 - 29$

$?^2 = 100$

$? = 10$

S37. Ans.(a)

Sol.

$? = \frac{25}{100} \times 120 + \frac{20}{100} \times 500$

$? = 30 + 100$

$? = 130$

S38. Ans.(c)

Sol.

$\frac{125}{25} + 50 - \frac{20}{100} \times 120 = ?$

$55 - 24 = ?$

$? = 31$

S39. Ans.(b)
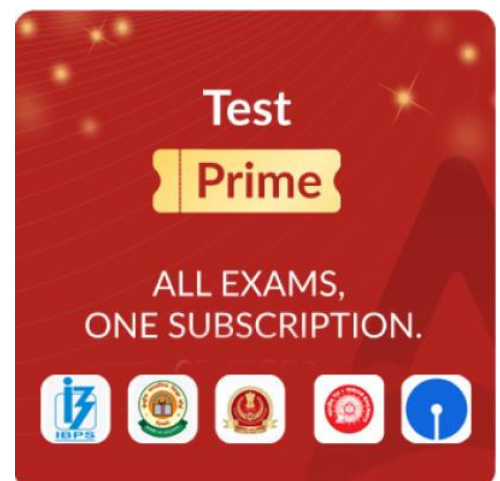
Sol.

$31 \times 12 - 172 = (?)^2 \div 2$

$(372 - 172) \times 2 = (?)^2$

$(?)^2 = 400$

$? = 20$

S40. Ans.(d)
Sol.

$231 + \frac{320}{10} = ? -12$

$231 + 32 + 12 = ?$

$? = 275$

S41. Ans.(c)
Sol.

$(23.012 \times 22.989) + 20.985 \times 7.014 = ?^2$

$(23 \times 23) + 21 \times 7 \approx ?^2$

$?^2 \approx 529 + 147 \approx 676$

$? \approx 26$

S42. Ans.(b)
Sol.

Let the profit earned on second chair be p%

Using allegation method,

12%   p%

      15%

(p-15)%   3%

  1   :   1-------------(ratio of cost price same)

p = 18%

ATQ

(18 - 12)% = Rs 180

1% = Rs. 30

So, cost price = 100% = Rs 3000

S43. Ans.(b)
Sol.

Let efficiency of A and B be a & b respectively.

ATQ

$10a + 18b = 24b + 6a$

$4a = 6b$

$\frac{a}{b} = \frac{3}{2}$

Let a & b be 3x & 2x respectively.

So, total work $= 10 \times 3x + 18 \times 2x = 66x$ unit

Time taken by B to complete the work while working alone $= \frac{66a}{2a} = 33 \ days$

S44. Ans.(d)
Sol.

Let total mixture in vessel be X litres.

Initial quantity of water in vessel = 0.25X litres

And, quantity of milk in vessel = 0.75X litres

ATQ –

$\frac{0.25X+80}{0.75X} = \frac{2}{3}$

0.75X + 240 = 1.5X

0.75X = 240

X = 320 l

Quantity of milk in vessel $= 320 \times \frac{75}{100} = 240 \ l$

S45. Ans.(c)
Sol.

Let investment of B = 4P Rs.

So, investment of A = $4P \times \frac{75}{100} = 3P$ Rs.

And also, A and B invested for a months and b months respectively

ATQ –

$\frac{3P \times a}{4P \times b} = \frac{5400}{10200-5400}$

$\frac{3a}{4b} = \frac{9}{8}$

$\frac{a}{b} = \frac{3}{2}$

Required percentage $= \frac{2}{3} \times 100 = 66\frac{2}{3}\%$

S46. Ans.(d)
Sol.

Required number of female employees $= \left(50000 \times \frac{20}{100} - 30000 \times \frac{25}{100}\right) + \left(50000 \times \frac{8}{100} - 30000 \times \frac{5}{100}\right) + \left(50000 \times \frac{24}{100} - 30000 \times \frac{28}{100}\right)$

= 2500 + 2500 + 3600

= 8600

S47. Ans.(e)
Sol.

Female employees in Finance and Marketing departments together

$= \left(50000 \times \frac{16}{100} - 30000 \times \frac{12}{100}\right) + \left(50000 \times \frac{32}{100} - 30000 \times \frac{30}{100}\right)$

= 4400 + 7000

= 11400

Total employees in Production department $= \left(50000 \times \frac{24}{100}\right)$

= 12000

Required % $= \frac{11400}{12000} \times 100$

= 95%

S48. Ans.(e)
Sol.

Required average $= \frac{1}{3} \times \left(30000 \times \frac{(12+25+28)}{100}\right)$

= 100 × 65

= 6500

S49. Ans.(b)
Sol.

Male employees in Marketing and R & D departments together $= \left(30000 \times \frac{30+5}{100}\right)$

= 10500

Total employees in Marketing and R & D departments together $= \left(50000 \times \frac{32+8}{100}\right)$

= 20000

Required % $= \frac{10500}{20000} \times 100$

= 52.5%

S50. Ans.(d)
Sol.

Male employees in Finance and Production departments together = $30000 \times \frac{12+28}{100}$

= 12000

Female employees in Finance and Production departments together = $\left(50000 \times \frac{16+24}{100}\right) -$ 12000

= 20000 − 12000

= 8000

Required ratio = $\frac{12000}{8000}$ = 3:2

S51. Ans.(a)
Sol.

Let age of Ravi and Vicky, 4 years ago was 5x years and 6x years respectively

2 years later, age of Ravi=(5x+6) years

Age of Rocky, 2 years later=$\left(\frac{6x+4}{4} \times 5\right) + 2\ years$

ATQ

$(5x+6) + \left(\frac{6x+4}{4} \times 5\right) + 2 = 63$

x=4

Required difference= 4 years

S52. Ans.(e)
Sol.

Let length of the rectangle be 4x cm

Then breadth of that rectangle= $4x \times \frac{75}{100}$ =3x cm

ATQ

$4x \times 3x = 432$

$\Rightarrow x = 6$

Length of rectangle =24 cm and breadth of rectangle = 18 cm

Diagonal of rectangle =$\sqrt{(576 + 324)} = 30\ cm$

Required area = $30 \times 30 = 900$ cm²

S53. Ans.(d)
Sol.

Let man invested = Rs. X

So, interest got by man after 10 years = Rs. X

ATQ −

$\frac{X \times 10 \times R}{100} = X$

R = 10%

Required amount = $X \times \left(1 + \frac{10}{100}\right)^2 = 9680$

X = 8000 Rs.

S54. Ans.(d)

Sol.

let numbers be a,b,c,d

ATQ, $b = 3a$; $c = 6b$

$a:b:c = 1:3:18$ or $x:3x:18x$

$\frac{a+b+c}{3} = 66$

$x = 9$

$d = 4 + 66 = 70$

Required average $= \frac{a+d}{2} = \frac{9+70}{2} = 39.5$

S55. Ans.(a)

Sol.

let speed of Manoj & Shreya be x & y kmph respectively

Let Manoj covers D km in t hours

ATQ, $x = \frac{D}{t}$ kmph

$y = \frac{2D}{\frac{t}{2}} = \frac{4D}{t}$ kmph

$x : y = 1 : 4$ or $a : 4a$

Since distance travelled by both will be same (Shreya catches him)

Let time taken by Shreya to cover 20/3 km be k hours

$x\left(k + \frac{30}{60}\right) = yk$

$ak + \frac{a}{2} = 4ak$

$k = \frac{1}{6}$ hours $= 10$ min

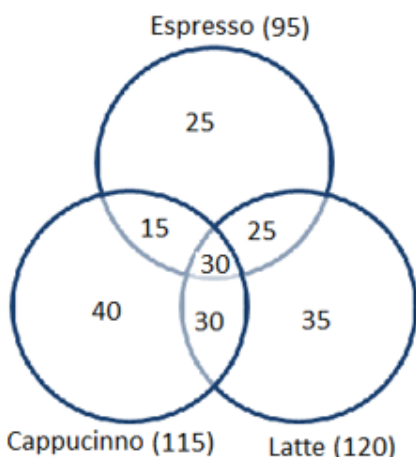Speed of Shreya $= \frac{20}{3} \times 6 = 40$ kmph

S56. Ans.(c)

Sol.

Employees who consume only espresso $= 95 - (15 + 30 + 25) = 25$

Employees who consume only cappuccino $= 100 - (25 + 35) = 40$

Employees who consume latte & cappuccino both $= 200 - (25 + 15 + 40 + 25 + 30 + 35)$

$= 30$

Espresso (95)

25

15   25

30

40   30   35

Cappucinno (115)   Latte (120)

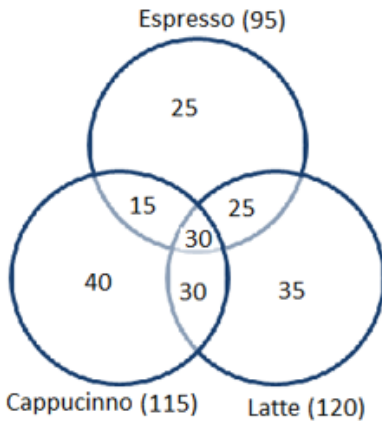employees who drink exactly 2 drinks $= 15 + 25 + 30 = 70$

S57. Ans.(d)
Sol.

Employees who consume only espresso = 95 − (15 + 30 + 25) = 25
Employees who consume only cappuccino = 100 − (25 + 35) = 40
Employees who consume latte & cappuccino both = 200 − (25 + 15 + 40 + 25 + 30 + 35)
$$= 30$$

Espresso (95)

25

15   25
30

40   30   35

Cappucinno (115)   Latte (120)

Employees who consume cappucinno =40+30+30+15=115
Employees who consume latte=30+30+25+35=120
Required % = $\frac{115}{120} \times 100 = 95.83\% \approx 96\%$

S58. Ans.(a)
Sol.

Employees who consume only espresso = 95 − (15 + 30 + 25) = 25
Employees who consume only cappuccino = 100 − (25 + 35) = 40
Employees who consume latte & cappuccino both = 200 − (25 + 15 + 40 + 25 + 30 + 35)
$$= 30$$

Espresso (95)

25

15   25
30

40   30   35

Cappucinno (115)   Latte (120)

required ratio = 25: 30 = 5: 6

S59. Ans.(e)
Sol.

Employees who consume only espresso = 95 − (15 + 30 + 25) = 25
Employees who consume only cappuccino = 100 − (25 + 35) = 40

Employees who consume latte & cappuccino both = 200 − (25 + 15 + 40 + 25 + 30 + 35)

= 30

Espresso (95)

25

15   25

30

40   30   35

Cappucinno (115)   Latte (120)

required number of employee = 15 + 30 + 25 + 30 = 100

S60. Ans.(b)
Sol.

Employees who consume only espresso = 95 − (15 + 30 + 25) = 25

Employees who consume only cappuccino = 100 − (25 + 35) = 40

Employees who consume latte & cappuccino both = 200 − (25 + 15 + 40 + 25 + 30 + 35)

= 30

Espresso (95)

25

15   25

30

40   30   35

Cappucinno (115)   Latte (120)
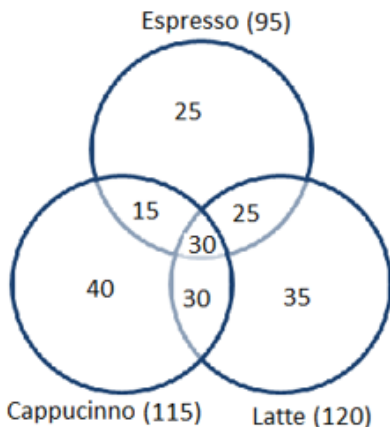
required answer = $\frac{25+35}{2} - \frac{30+30}{2} = 0$

S61. Ans.(d)
Sol.

Total number of packets distributed in city X= 6000 $\times \frac{(100-48)}{100} \times \frac{4}{3}$ = 4160

Total unconsumed packets in city X = 4160 $\times \frac{(100-35)}{100}$ = 2704

Total unconsumed packets in A = 4500 $\times \frac{(100-24)}{100}$ = 3420

Required difference = 3420 −2704 = 716

S62. Ans.(a)
Sol.

Total consumed food packets in city A = 4500 $\times \frac{24}{100}$ = 1080

Total consumed food packets in city E = 4000 $\times \frac{45}{100}$ = 1800

Required difference = 1800 − 1080 = 720

Total consumed food packets in the city B = $5500 \times \frac{35}{100} = 1925$

Total consumed food packets in the city D = $4500 \times \frac{30}{100} = 1350$

Required difference = 1925 − 1350 = 575

Required ratio = $\frac{720}{575}$

= 144 : 115

S63. Ans.(d)
Sol.

Food packets consumed by female in city C = $6000 \times \frac{48}{100} \times \frac{45}{100} = 1296$

Total unconsumed food packets in city A = $4500 \times \frac{76}{100} = 3420$

Required percentage = $\frac{1296}{3420} \times 100$

= 37.89 ≈ 38%

S64. Ans.(b)
Sol.

Total unconsumed food packets in city A, B, C & E

= $4500 \times \frac{76}{100} + 5500 \times \frac{65}{100} + 6000 \times \frac{52}{100} + 4000 \times \frac{55}{100}$

= 3420 + 3575 + 3120 + 2200

= 12315

S65. Ans.(c)
Sol.

Total food packets distributed by Kerala government in flood

= $6000 \times \frac{48}{100} \times \frac{1025}{100}$

= 29520

Total food packets distributed in other cities except these five cities (A, B, C, D & E)

= 29520 − (4500 + 5500 + 6000 + 4500 + 4000)

= 29520 − 24500

= 5020

S66. Ans.(c)

S67. Ans.(b)
Sol.

Floors	Flat P	Flat Q
5	C	E
4	F	P
3	H	B
2	J	A
1	G	D

S68. Ans.(c)
Sol.

Floors	Flat P	Flat Q
5	C	E
4	F	P
3	H	B
2	J	A
1	G	D

S69. Ans.(d)
Sol.

Floors	Flat P	Flat Q
5	C	E
4	F	P
3	H	B
2	J	A
1	G	D

S70. Ans.(a)
Sol.

Floors	Flat P	Flat Q
5	C	E
4	F	P
3	H	B
2	J	A
1	G	D

S71. Ans.(d)
Sol.

Floors	Flat P	Flat Q
5	C	E
4	F	P
3	H	B
2	J	A
1	G	D

S72. Ans.(c)

S73. Ans.(b)
Sol. ST

S74. Ans.(b)
Sol.

Q   P   M T   Z R B   A

S75. Ans.(c)
Sol.

Q   P   M T   Z R B   A

S76. Ans.(d)
Sol.

Q   P   M T   Z R B   A

S77. Ans.(c)
Sol.

Q   P   M T   Z R B   A

S78. Ans.(b)
Sol.

Q   P   M T   Z R B   A
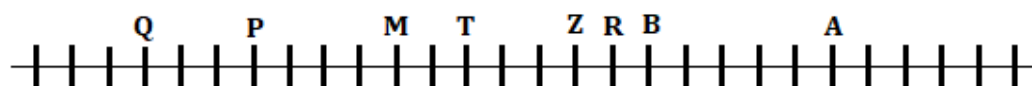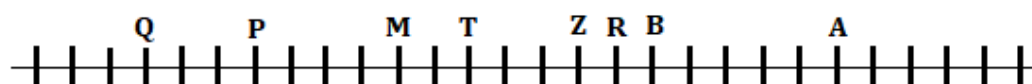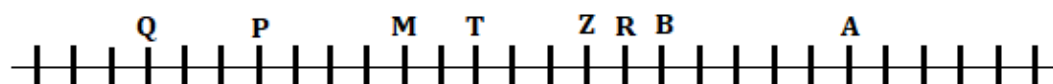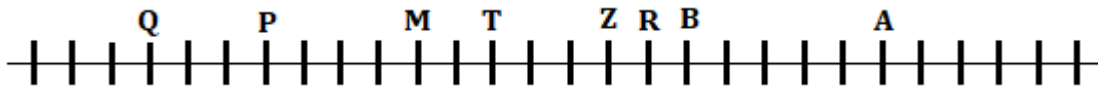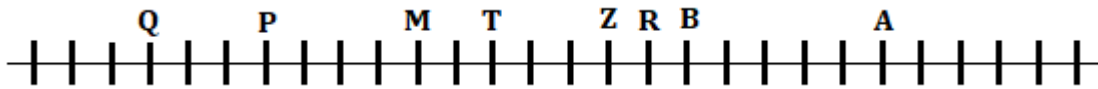
S79. Ans.(d)

S80. Ans.(b)
Sol. 'CUTE'

S81. Ans.(b)
Sol.

Year	Age	Persons	Fruit
1976	45	F	Orange
1980	41	C	Cherry
1983	38	G	Banana
1991	30	A	Apricot
1998	23	D	Avocado
2004	17	B	Blueberry

S82. Ans.(d)
Sol.

Year	Age	Persons	Fruit
1976	45	F	Orange
1980	41	C	Cherry
1983	38	G	Banana
1991	30	A	Apricot
1998	23	D	Avocado
2004	17	B	Blueberry

S83. Ans.(b)
Sol.

Year	Age	Persons	Fruit
1976	45	F	Orange
1980	41	C	Cherry
1983	38	G	Banana
1991	30	A	Apricot
1998	23	D	Avocado
2004	17	B	Blueberry

S84. Ans.(c)
Sol.

Year	Age	Persons	Fruit
1976	45	F	Orange
1980	41	C	Cherry
1983	38	G	Banana
1991	30	A	Apricot
1998	23	D	Avocado
2004	17	B	Blueberry

S85. Ans.(a)
Sol.

Year	Age	Persons	Fruit
1976	45	F	Orange
1980	41	C	Cherry
1983	38	G	Banana
1991	30	A	Apricot
1998	23	D	Avocado
2004	17	B	Blueberry

S86. Ans.(a)
Sol.

Days	Persons	Vegetables
Monday	C	Basil
Tuesday	E	Asparagus
Wednesday	D	Broccoli
Thursday	F	Spinach
Friday	A	Beetroot
Saturday	B	Mushroom

S87. Ans.(b)
Sol.

Days	Persons	Vegetables
Monday	C	Basil
Tuesday	E	Asparagus
Wednesday	D	Broccoli
Thursday	F	Spinach
Friday	A	Beetroot
Saturday	B	Mushroom

S88. Ans.(c)
Sol.

Days	Persons	Vegetables
Monday	C	Basil
Tuesday	E	Asparagus
Wednesday	D	Broccoli
Thursday	F	Spinach
Friday	A	Beetroot
Saturday	B	Mushroom

S89. Ans.(a)
Sol.

Days	Persons	Vegetables
Monday	C	Basil
Tuesday	E	Asparagus
Wednesday	D	Broccoli
Thursday	F	Spinach
Friday	A	Beetroot
Saturday	B	Mushroom

S90. Ans.(d)
Sol.

Days	Persons	Vegetables
Monday	C	Basil
Tuesday	E	Asparagus
Wednesday	D	Broccoli
Thursday	F	Spinach
Friday	A	Beetroot
Saturday	B	Mushroom

S91. Ans.(b)
Sol.
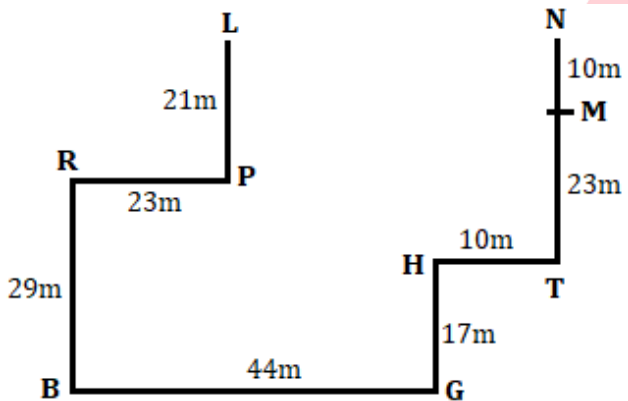
S92. Ans.(c)
Sol.
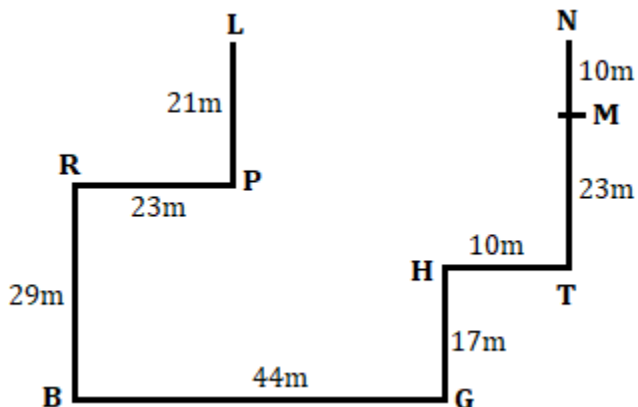
S93. Ans.(a)
Sol.
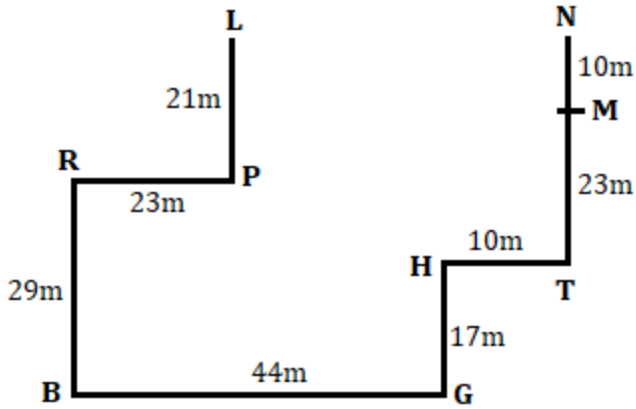
S94. Ans.(a)
Sol.
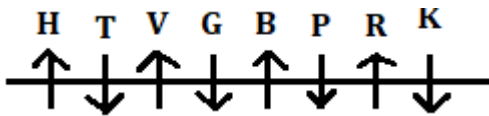
S95. Ans.(b)
Sol.
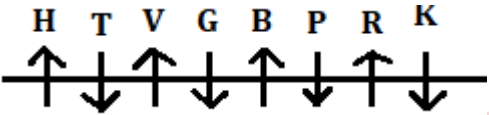
S96. Ans.(d)
Sol.
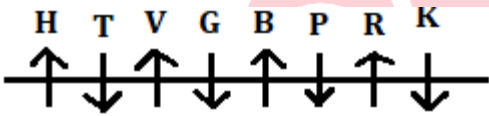
S97. Ans.(c)
Sol.
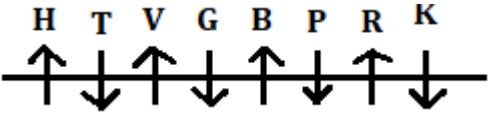
S98. Ans.(e)
Sol.
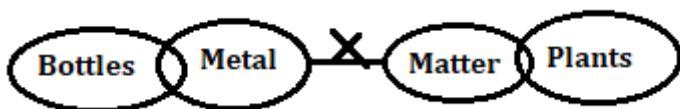
S99. Ans.(a)
Sol.

S100. Ans.(b)
Sol.