

PFRDA Grade A Previous Year Paper 5 Nov 2022

Q1. The ratio of spirit and water in two mixtures of 24 liters and 42 liters is 7 : 5 and 5 : 9 respectively. Both the mixtures are mixed together. Now the ratio of the spirit and water in the new mixture is

- (a) 21 : 29
- (b) 29 : 35
- (c) 37 : 29
- (d) 29 : 37
- (e) 31 : 29

Q2. A shopkeeper sold a jeans at 20% profit and a shirt at a profit of 25%. If the cost price of the shirt is equal to the selling price of jeans and shopkeeper earned an overall profit of Rs. 400, then find the sum of selling price of both the articles together?

- (a) 2160 Rs.
- (b) 1760 Rs.
- (c) 1960 Rs.
- (d) 2260 Rs.
- (e) 2460 Rs.

Q3. A and B invested Rs.X and Rs.(X + 200) on CI at the rate of 20% p.a. and 10% p.a. respectively. If the sum of interest obtained by A and B only for the second year is Rs. 372, then find value of (X + 500) in Rs.?

- (a) 1800 Rs.
- (b) 1000 Rs.
- (c) 1200 Rs.
- (d) 1500 Rs.
- (e) 2400 Rs.

Direction (4-7): Find out the missing number in the given series.

Q4. 197, 184, 158, 119, ?, 2

- (a) 67
- (b) 61
- (c) 54
- (d) 72
- (e) 77

Q5. ? 132, 110, 90 72 56

- (a) 150
- (b) 165
- (c) 156
- (d) 144
- (e) 121



Q6. 7, 19, 33, 51, 71, ?

- (a) 95
- (b) 93
- (c) 90
- (d) 91
- (e) 97

Q7. ? 4096, 256, 16, 1, 0.0625

- (a) 16000
- (b) 81920
- (c) 64000
- (d) 65000
- (e) 65536

Q8. Find the speed of stream, if a boat covers 45 km in downstream in $7\frac{1}{2}$ hours and ratio of upstream and downstream speed of boat is 2:3 respectively.

- (a) 2km/hr
- (b) 1.5km/hr
- (c) 3km/hr
- (d) 1km/hr
- (e) 3.5km/hr

Q9. The total surface area of a cylindrical vessel is 1232 cm^2 and the height of vessel is 2 times more than the radius of vessel. Find the volume of cylindrical vessel?

- (a) 4312 cm^3
- (b) 3201 cm^3
- (c) 3234 cm^3
- (d) 3256 cm^3
- (e) 3333 cm^3

Q10. A 950 metres long train-A crosses another train-B running in same direction in 16 seconds. If the ratio of speed of these trains is in the ratio 17:13 respectively, find out the length of train B?

- (a) 1000 meter
- (b) 1900 meter
- (c) 1600 meter
- (d) 1100 meter
- (e) Can't be determined

Q11. 8 men together can complete a work in 12 days. These 8 men started working together on the same work and have worked for 8 days, then X men more joined them which reduced the remaining work completion time by $33\frac{1}{3}\%$. Find the value of X?

- (a) 3 men
- (b) 4 men
- (c) 5 men
- (d) 6 men
- (e) 2 men

Q12. Average runs of a batsman in 29 innings was 16. How many runs he should make in his next innings to increase his average run by $6\frac{1}{4}\%$?

- (a) 42
- (b) 43
- (c) 44
- (d) 45
- (e) 46

Q13. Ratio of Neha and Sarita's age is 3:4, x years ago the ratio was (x-5):(x+6). Find out present age of Sarita. (in years)

- (a) 16
- (b) 24
- (c) 32
- (d) 12
- (e) Can't be determined.

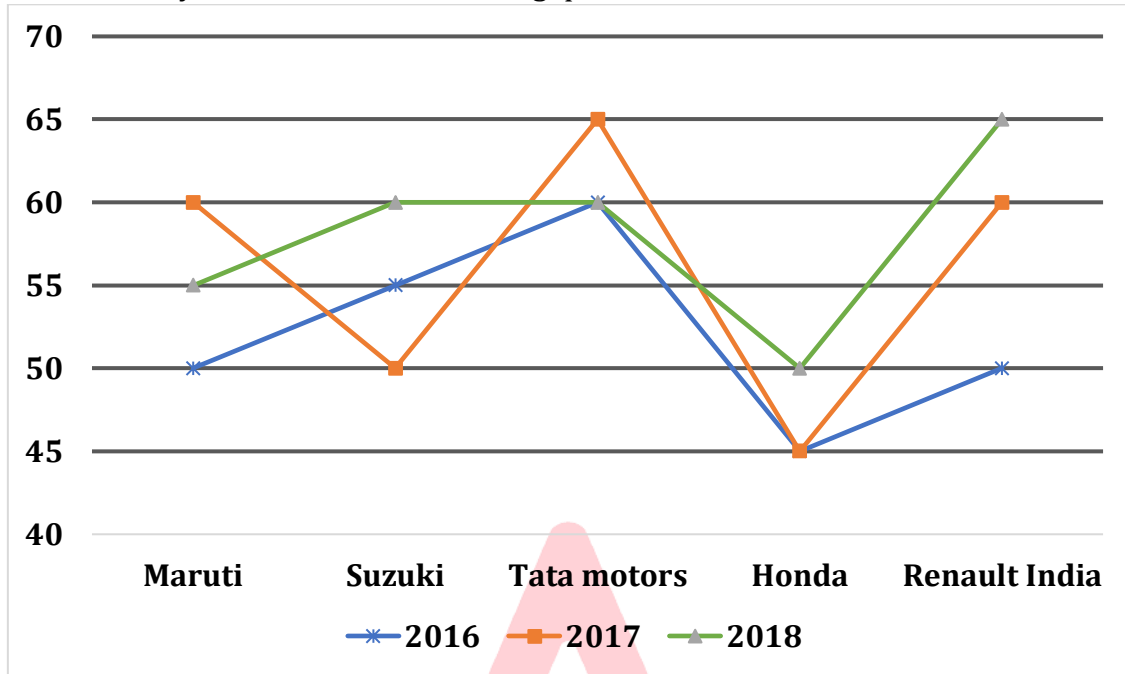
Q14. In a school 2400 girls and 1800 boys were examined in a test; $11\frac{1}{9}\%$ of the boys and $8\frac{1}{3}\%$ of the girls pass. Find total number of students who has failed?

- (a) 3500
- (b) 3600
- (c) 3800
- (d) 3100
- (e) 3200

Q15. Shivam and Amit invest in a business in the ratio 7:5 respectively. if at the end of the year, 25% of the total profit goes to charity and rest of the profit distributed among Shivam and Amit in their profit-sharing ratio and Amit's share of profit is Rs 37500 then find out the total profit?

- (a) Rs.125000
- (b) Rs.140000
- (c) Rs.130000
- (d) Rs.120000
- (e) Rs.100000

Directions (16-20): line-chart given below shows the number of cars produced (in thousands) by five different companies Maruti, Suzuki, Tata Motors, Honda and Renault India in three different years. Study the data carefully and answer the following questions.



Q16. Total car produced by Maruti, Suzuki and Honda in the year 2016 together is what percent more or less than the sum of the total car produced by Tata Motors in 2017 and Maruti in 2018?

- (a) 20%
- (b) 24%
- (c) 26%
- (d) 25%
- (e) 28%

Q17. The average number of cars produced by Maruti, Renault India and Tata Motors in 2018 is how much more or less than the average number of cars produced by Tata Motors and Honda in 2017?

- (a) 5000
- (b) 6000
- (c) 4000
- (d) 7000
- (e) 5500

Q18. Find the ratio of the total car produced by Renault India in 2017 and 2018 together to the sum of total car produced by Suzuki in 2016 and 2017 together and total car produced by Honda in 2017 and 2018 together?

- (a) 7 : 8
- (b) 5 : 8
- (c) 8 : 3
- (d) 8 : 9
- (e) 5 : 9

Q19. If in 2019 total car produced by Suzuki and Tata increases by 10% and 30% respectively over 2018 and total car produced by Honda decreases by 40% in 2019 over 2018, then find the total production of these three companies in 2019?

- (a) 170000
- (b) 180000
- (c) 160000
- (d) 174000
- (e) 168000

Q20. Total production produced by Suzuki and Renault India together in these three years is what percent of the total car produced by Maruti and Tata together in these three years?

- (a) $97\frac{1}{7}\%$
- (b) $98\frac{1}{7}\%$
- (c) $98\frac{1}{3}\%$
- (d) $97\frac{1}{11}\%$
- (e) $97\frac{6}{7}\%$

Q21. Italian super - luxury sports car manufacturer Lamborghini has spread its wings in India. And it, has just opened a dealership in Bengaluru, the IT capital of the country. At a price tag of over Rs. 1 Crore, in addition high import duty barriers. Who will buy a Lamborghini car? Rather, what gives the Italian car maker the confidence to not only drive into India but also expand its presence? If super - luxury brand like Lamborghini is sensing an unfolding big opportunity in a New India, other traditional global luxury car makers have turned very ambitious with new launches.

Which statement negates the Italian car maker confidence?

- (a) Two years back, BMW has launched their premium cars in India, and they faced huge loss.
- (b) Before India, Lamborghini had launched their car in France, and they make a 800-million-dollar profit annually.
- (c) After launch, there is a huge demand and query by Indian people.
- (d) Both (a) and (c)
- (e) Both (b) and (c)

Q22. UN report calls for prudent use of antibiotics. Drug resistant diseases could cause 10 million deaths each year by 2050, warned the UN Ad Hoc Interagency. It added that by 2030, antimicrobial resistance could force up to 24 million people into extreme poverty. "Currently, at least 7,00,000 people die each year due to drug resistant diseases, including 2,30,000 people who die from multidrug resistant tuberculosis," said the report.

Which of the following could be effective course of action for the given statement?

- (a) Antimicrobial resistance is one of the greatest threats we face as a global community.
- (b) The world was already feeling the economic and health consequences as crucial medicines become ineffective.
- (c) Countries priorities national action plans to scaleup financing and capacity building efforts, put in place stronger regulatory systems and support awareness programs for responsible and prudent use of antimicrobials by professionals in human and animal.
- (d) Without investment from countries in all income brackets, future generations will face the disastrous impacts of uncontrolled antimicrobial resistance.
- (e) It also noted that more and more common diseases, including respiratory tract infections, transmitted infections and urinary tract infections, are becoming untreatable.

Directions (23-27): Study the information carefully and answer the questions given below.

Twelve persons- A to L sit around a square table such that four of them sit at the corner and two of them sit at each side of the table. All of them face towards the centre of the table.

Note: The consecutive alphabetically named persons doesn't sit opposite to each other.

J sits third to the right of A. Four persons sit between A and B who faces the one who sits second to the right of E. As many persons sit between A and E as between E and D. C sits third to the right of K but doesn't sit at the corner of the table. I sits next to C but not next to E. K doesn't sit adjacent to A and J. F sits at the side of the table and faces the one who sits second to the right of G. At least one person sits between H and F when counts from the left of H.

Q23. How many persons sit between L and K when counts from the left of L?

- (a) Seven
- (b) Ten
- (c) Six
- (d) Eight
- (e) Five

Q24. Which among the following the statement(s) is/are true?

- (a) K faces the one who sits third to the right of C
- (b) G sits adjacent to the one who faces H
- (c) More than three persons sit between D and C when counts from the right of C
- (d) E and L sit at the corner
- (e) None is true

Q25. Four of the following five are alike in a certain way and hence form a group. Find the one that doesn't belong to that group?

- (a) The one who sits second to the right of E
- (b) The one who faces L
- (c) The one who sits immediate right of F
- (d) B
- (e) The one who sits third to the right of A

Q26. As many persons sit between H and I as between ____ and ____.

- (a) K, B
- (b) G, F
- (c) A, D
- (d) L, H
- (e) I, C

Q27. Who sits third to left of L?

- (a) K
- (b) G
- (c) A
- (d) H
- (e) I

Q28. In the following questions, the symbols @, \$, *, # and δ are used with the following meaning as illustrated below:

'P \$ Q' means 'P is greater than equal to Q'.

'P @ Q' means 'P is neither smaller than nor equal to Q'.

'P # Q' means 'P is neither greater than nor equal to Q'.

'P δ Q' means 'P is neither greater than nor smaller than Q'.

'P * Q' means 'P is smaller than equal to Q'.

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true and give your answer accordingly.

- (a) Only I is true
- (b) Only II is true
- (c) Either I and II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

Statements: H @ T, T # F, F δ E, E * V

Conclusions:

- I. V \$ F
- II. T @ V

Directions (29-31): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement are sufficient to answer the question. Read both the statements and give answer.

- (a) If the data in statement I alone is 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 is 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 statements I and II together are not sufficient to answer the question.
- (e) If the data in both statements I and II together are sufficient to answer the question.

Q29. Six persons A, B, C, D, E and F sit in a row facing north direction but not necessarily in the same order. Who among them sit immediate left of D?

Statements:

- I. Three persons sit between A and E. F is not adjacent to E.
- II. C sits 2nd to the right of E. B is neither adjacent to A nor C.

Q30. What is the code of “Kingfisher”?

Statements:

- I. “Kingfisher energy drink” is coded as “hys mak opa”, “Kingfisher allowed dreams” is coded as “lap hys aqm”
- II. “Dreams come true” is coded as “aqm huv fzx”, “Energy come positive” is coded as “fzx mak btg”

Q31. Five children have different number of pens. How many pens does U has?

Statements:

- I. T has more pens than G but less than U. S has 10 pens more than U.
- II. H has more pens than only T. The one who has 2nd highest number of pens has 45 pens. U has 8 pens more than S who has more pens than G.

Directions (32-33): In each of the questions below, some statements are given followed by some 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 decide which of the given conclusions logically follows from the statements.

Q32. Statements: Each Yolk is eggs

No eggs are hens

A few hens are chicken

Conclusions: I. Some eggs are chicken

II. No yolk is hens

III. Some chicken are not eggs

- (a) Only II follows
- (b) Both II and III follow
- (c) None follows
- (d) Only III follows
- (e) Both I and III follows

Q33. Statements: Only Yoga is Yamuna

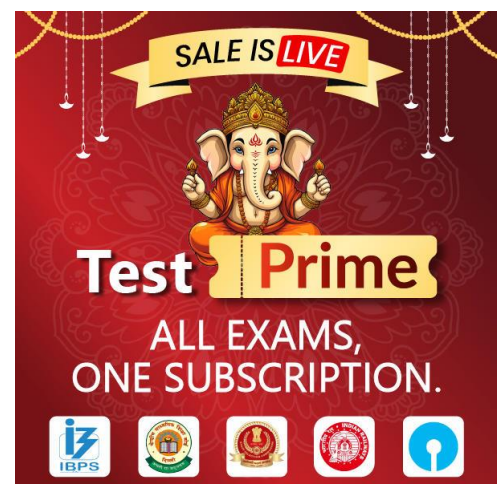
Some Yoga is Human

None Human is Box

Conclusions: I. Some Yamuna can never be box is a possibility

II. Some yoga is not box

- (a) Either I or II follow
- (b) Both I and II follow
- (c) Only II follows
- (d) Neither I nor II follow
- (e) Only I follows



Q34. Statement: "Despite the recent advances in renewable energy, the country's most significant energy deals this year were with oil and gas companies." - report in a business magazine.

Assumptions:

I. Renewable energy is not yet a viable alternative to fossil fuels.

II. The government is not committed to environmental sustainability.

Which of the following assumption(s) is/are implicit in contrast to the statement?

- (a) Only I is implicit
- (b) Only II is implicit
- (c) Either I or II is implicit
- (d) Neither I nor II is implicit
- (e) Both I and II are implicit

Directions (35-39): Study the following information carefully and answer the below questions.

Eight boxes – I, J, K, L, M, N, O and P are kept one above another in the stack. Each box is of different colors- Aqua, Rouge, Navy, Coral, Indigo, Salmon, Gulf, and Peach but not necessarily in the same order. Navy color box is kept two boxes above the box which is kept four boxes below box M. Only two boxes are kept between box M and the Coral color box. Only three boxes are kept between the Aqua box and Coral box. Rouge box is kept adjacent to the Aqua box. The number of boxes kept between the Rouge box and the Navy box is the same as between the Coral box and box O. Box O is kept below the Coral box and is not kept at the lowermost position. The number of boxes kept above the Salmon box is the same as below box J. Box J is kept one of the positions below Navy Box. Box P is kept two positions above the box which is peach color. Neither box J nor box L is Peach color. The number of boxes kept between the Peach box and box J is the same as between boxes I and N. Box I is neither in Aqua nor Navy color. The number of boxes kept above box K is two less than the number of boxes kept below the Indigo box.

Q35. How many boxes are kept above the Navy color box?

- (a) Three
- (b) Two
- (c) Four
- (d) Five
- (e) None of these

Q36. If boxes M and N are interchanged their positions in the same way boxes I and J are interchanged their positions, then which of the following box is two boxes above box I?

- (a) Box N
- (b) Box K
- (c) Box O
- (d) Box P
- (e) Box M

Q37. If all boxes are arranged in reverse alphabetical order from the bottom, then how many boxes remain unchanged in their positions?

- (a) More than three
- (b) None
- (c) Three
- (d) Two
- (e) One

Q38. What is the position of box P with respect to box L?

- (a) Immediately below
- (b) Three boxes below
- (c) Four boxes above
- (d) Three boxes above
- (e) Immediately above

Q39. Which of the following box is Aqua color?

- (a) Box N
- (b) Box K
- (c) Box P
- (d) Box M
- (e) Box J

Q40. Statement: "The new educational reform has been met with mixed reactions, with some schools enthusiastically adopting the new curriculum, while others have been resistant due to lack of resources." - educational analyst.

Assumptions:

- I. Schools with ample resources are more likely to adopt new educational reforms.
- II. The effectiveness of educational reforms depends on the uniformity of their implementation.

Which of the following assumption(s) is/are implicit in contrast to the statement?

- (a) Only I is implicit
- (b) Only II is implicit
- (c) Either I or II is implicit
- (d) Neither I nor II is implicit
- (e) Both I and II are implicit

Directions (41-45): Read the given passage and answer the following questions. Some parts of the text have been highlighted to aid in answering certain questions.

Today we can hardly conceive of ourselves without an unconscious. Yet between 1700 and 1900, this notion developed as a genuinely original thought. The "unconscious" burst the shell of conventional language, coined as it had been to **embody** the fleeting ideas and the shifting conceptions of several generations until, finally, it became fixed and defined in specialized terms within the realm of medical psychology and Freudian psychoanalysis. The vocabulary concerning the soul and the mind increased enormously in the course of the nineteenth century. The enrichments of literary and intellectual language led to an altered understanding of the meanings that underlie time-honoured expressions and traditional catchwords. At the same time, once coined, powerful new ideas attracted to themselves a whole host of seemingly unrelated issues, practices, and experiences, creating a peculiar network of preoccupations that as a group had not existed before. The drawn-out attempt to approach and define the unconscious brought together the spiritualist and the psychical researcher of borderline phenomena (such as apparitions, spectral illusions, haunted houses, mediums, trance, automatic writing); the psychiatrist or alienist probing the nature of mental disease, of abnormal ideation, hallucination, delirium, melancholia, mania; the surgeon performing operations with the aid of hypnotism; the magnetizer claiming to correct the disequilibrium in the universal flow of magnetic fluids but who soon came to be regarded as a clever manipulator of the imagination; the physiologist and the physician who puzzled over sleep, dreams, sleepwalking, anaesthesia, the influence of the mind on the body in health and disease; the neurologist concerned with the functions of the brain and the physiological basis of mental life; the philosopher interested in the will, the emotions, consciousness, knowledge, imagination and the creative genius; and, last but not least, the psychologist.

Q41. During the 18th and 19th centuries, what conceptual shift regarding the unconscious is described in the passage?

- (a). The entrenchment of neuroscientific terminology.
- (b). The dissolution of Freudian psychoanalysis.
- (c). The emergence of an innovative idea about the unconscious.
- (d). The stagnation of medical psychology.
- (e). The eclipse of literary and intellectual language.

Q42. What characterizes the network of preoccupations formed around powerful new ideas in the passage?

- (a). A convergence of specialized terms.
- (b). A disintegration of unrelated issues.
- (c). A dispersion of conventional language.
- (d). A proliferation of seemingly unrelated issues, practices, and experiences.
- (e). A consolidation of Freudian psychoanalysis.

Q43. How did the unconscious influence the development of language in the 19th century, according to the passage?

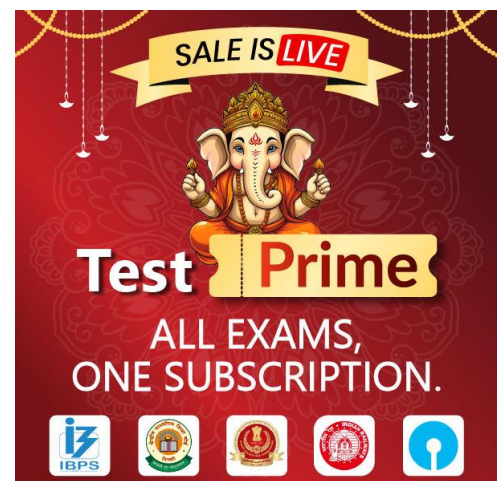
- (a). It constrained the evolution of literary and intellectual language.
- (b). It catalysed the specialization of medical psychology exclusively.
- (c). It promoted an altered understanding of traditional catchwords.
- (d). It catalysed a fixed and defined use of terms in Freudian psychoanalysis.
- (e). None of these

Q44. What can be inferred about the role of neurologists in the attempt to define the unconscious?

- (a). Neurologists were solely focused on the physiological basis of mental life.
- (b). Neurologists were not concerned with the functions of the brain.
- (c). The attempt to define the unconscious excluded neurologists.
- (d). Neurologists were primarily interested in traditional catchwords.
- (e). Neurologists played a role in exploring the functions of the brain in relation to the unconscious.

Q45. Which of the following words is the synonym of “embody” as highlighted in the given passage?

- (a). hallucinate
- (b). contingent
- (c). encroach
- (d). exemplify
- (e). sabotage



Directions (46-50): In the following passage there are five blanks given. For each blank, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word that fits the blank.

The recent surge in test flights of private rockets has garnered significant attention, marking a new era in space exploration. These ventures, spearheaded by private companies, promise to _____(A)_____ the landscape of space travel, making it more accessible and economically viable. However, the journey is fraught with challenges, and the _____(B)_____ nature of space travel demands rigorous testing and validation. Each test flight offers invaluable data, helping engineers _____(C)_____ their designs and enhance safety measures. Moreover, the successful deployment of these rockets could _____(D)_____ a plethora of opportunities, from satellite launches to potential manned missions. Despite the optimism, the industry must navigate regulatory hurdles and technical _____(E)_____ to achieve its lofty goals.

Q46. Which word appropriately fills in the first blank (A) in the passage?

- (a). obfuscate
- (b). delineate
- (c). transform
- (d). stagnate
- (e). rescind

Q47. Which word appropriately fills in the second blank (B) in the passage?

- (a). prosaic
- (b). mercurial
- (c). immutable
- (d). banal
- (e). torpid

Q48. Which word appropriately fills in the third blank (C) in the passage?

- (a). augment
- (b). truncate
- (c). diminish
- (d). exacerbate
- (e). vitiate

Q49. Which word appropriately fills in the fourth blank (D) in the passage?

- (a). stymie
- (b). preclude
- (c). engender
- (d). obliterate
- (e). obviate

Q50. Which word appropriately fills in the fifth blank (E) in the passage?

- (a). exigencies
- (b). peregrinations
- (c). diatribes
- (d). vicissitudes
- (e). eulogies

Q51. In each question a word is omitted and replaced with blank. Choose the correct word from the given options for the blank to retain the intended meaning of the sentence.

His _____ behavior during the meeting raised concerns among his colleagues about his well-being.

- (a). gruesome
- (b). erratic
- (c). judicial
- (d). pragmatic
- (e). tactful

Q52. In each of the question given below, a statement has been given with a blank. Some words have been given in the options following the statement. Choose the most appropriate word that could fit in the statement to make it contextually meaningful and grammatically correct.

During the wildfire, the _____ of residents from the affected area was carried out with high efficiency.

- (a). entrance
- (b). ingress
- (c). advent
- (d). evacuation
- (e). approach

Q53. In each question a word is omitted and replaced with blank. Choose the correct word from the given options for the blank to retain the intended meaning of the sentence.

She received an offer from a _____ university, known for its rigorous academic programs and distinguished faculty.

- (a). removable
- (b). interesting
- (c). prestigious
- (d). precious
- (e). religious

Q54. In each of the question given below, a statement has been given with a blank. Some words have been given in the options following the statement. Choose the most appropriate word that could fit in the statement to make it contextually meaningful and grammatically correct.

The political campaign was accused of _____ racial tensions to gain support from extremist groups.

- (a). lessening
- (b). stoking
- (c). curtailing
- (d). retrenching
- (e). abating

Q55. In each of the question given below, a statement has been given with a blank. Some words have been given in the options following the statement. Choose the most appropriate word that could fit in the statement to make it contextually meaningful and grammatically correct.

If you're looking for good company, you are more likely to find them with your long-standing friends than your _____.

- (a). greenness
- (b). supplement
- (c). ignorance
- (d). callowness
- (e). acquaintances

Q56. Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The corresponding alphabet of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).

City planners must assess (A)/ how autonomous vehicles interacted (B)/ with pedestrians, cyclists, and (C)/ traditional manually driven cars. (D)

- (a). A
- (b). B
- (c). C
- (d). D
- (e). No error

Q57. In each question a word is omitted and replaced with blank. Choose the correct word from the given options for the blank to retain the intended meaning of the sentence.

She received an offer from a _____ university, known for its rigorous academic programs and distinguished faculty.

- (a). removable
- (b). interesting
- (c). prestigious
- (d). precious
- (e). religious

Q58. In each of the question given below, a statement has been given with a blank. Some words have been given in the options following the statement. Choose the most appropriate word that could fit in the statement to make it contextually meaningful and grammatically correct.

The political campaign was accused of _____ racial tensions to gain support from extremist groups.

- (a). lessening
- (b). stoking
- (c). curtailing
- (d). retrenching
- (e). abating

Q59. The sentence is divided into four parts: (A), (B), (C), and (D). One of these parts contains a grammatical error. Choose the part that contains the error. If the sentence is grammatically and contextually correct, then choose option “No error” as the correct answer.

He enjoys to swim (A)/ in the (B)/ lake (C)/ during summer. (D)

- (a). A
- (b). B
- (c). C
- (d). D
- (e). No error

Q60. Which of the phrases from the options (a), (b), (c) and (d) given below each sentence should replace the phrase printed in bold letters to make the sentence grammatically correct? If the sentence is correct as it is, mark “No improvement required” as the answer.

After a long pause, retail fuel prices **have inching up over** the past week

- (a). has been inching up over
- (b). have been inching up over
- (c). have been inch up over
- (d). was inching up in over
- (e). No improvement required

Solutions

S1. Ans.(d)

Sol. Ratio of the spirit and water in the resultant mixture

$$\frac{24 \times \frac{7}{12} + 42 \times \frac{5}{14}}{24 \times \frac{5}{12} + 42 \times \frac{9}{14}} = \frac{14+15}{10+27} = \frac{29}{37}$$

S2. Ans.(a)

Sol. Let cost price of jean = 100a

So, selling price of jean = $100a \times \frac{120}{100} = 120a$

And cost price of shirt = 120a

Then, selling price of shirt = $120a \times \frac{125}{100} = 150a$

ATQ –

$$(120a + 150a) - (100a + 120a) = 400$$

a = 8 Rs.

So, selling price of both articles together = $(120 \times 8 + 150 \times 8) = 2160$ Rs.

S3. Ans.(d)

Sol. Amount for A in second year = $X \times \frac{120}{100} = 1.2X$

Amount for B in second year = $(X + 200) \times \frac{110}{100} = (1.1X + 220)$ Rs.

ATQ -

$$1.2X \times \frac{20}{100} + (1.1X + 220) \times \frac{10}{100} = 372$$

$X = 1000$ Rs.

So, value of $(X + 500) = 1500$ Rs.

Or,

We know that

Equivalent rate of interest at CI for two years at 20% = $20\% + 20\% + \frac{20\% \times 20\%}{100} = 44\%$

As interest for first year is 20% so interest for second year only will be $44\% - 20\% = 24\%$

Similarly,

Interest for second year only at 10 % pa at CI will be $21\% - 10\% = 11\%$

SO,

$$\frac{21}{100} \times X + \frac{11}{100} \times (X + 200) = 372$$

$$\frac{21}{100} \times X + \frac{11}{100} \times (X + 200) = 372$$

$$35X + 2200 = 37200$$

$$35X = 35000$$

$$X = 1000$$

$$X + 500 = 1500$$

S4. Ans.(a)

Sol. Here the pattern is:

$$197-13 = 184$$

$$184-26 = 158$$

$$158-39 = 119$$

$$119-52 = 67$$

$$67-65 = 2$$

So, 67 would be the missing term.

S5. Ans.(c)

Sol. Here the pattern is:

$$13 \times 12 = 156$$

$$12 \times 11 = 132$$

$$11 \times 10 = 110$$

$$10 \times 9 = 90$$

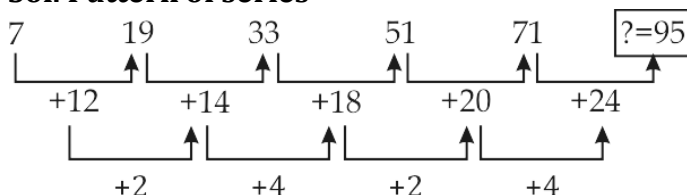
$$9 \times 8 = 72$$

$$8 \times 7 = 56$$

So, 156 would be the missing term.

S6. Ans.(a)

Sol. Pattern of series -



S7. Ans.(e)

Sol. Here the pattern is:

$$65536 \div 16 = 4096$$

$$4096 \div 16 = 256$$

$$256 \div 16 = 16$$

$$16 \div 16 = 1$$

$$1 \div 16 = 0.0625$$

So, 65536 would be the missing term.

S8. Ans.(d)

Sol. Let the speed of boat in upstream and downstream be $2x$ and $3x$ respectively.

ATQ, downstream speed $3x = \frac{45}{7.5} = 6 \text{ km/hr}$

So, Upstream speed $2x = 4 \text{ km/hr}$

Speed of stream $= \frac{6-4}{2} = 1 \text{ km/hr}$

S9. Ans.(c)

Sol. radius = r cm

Height = $3r$ cm

ATQ

$$2\pi r(r+h) = 1232$$

$$\Rightarrow 2 \times \frac{22}{7} \times r \times 4r = 1232$$

$$\Rightarrow r = 7 \text{ cm}$$

Height = $h = 21 \text{ cm}$

Volume of cylinder $= \frac{22}{7} \times 7 \times 7 \times 21 = 3234 \text{ cm}^3$

S10. Ans.(e)

Sol. Let the speed of train A and train B be $17X$ m/s and $13X$ m/s respectively.

And let the length of train B = Y meter

ATQ, $\frac{950+Y}{17X-13X} = 16$

$Y = 64X - 950$,

So, length can't be determined with given data.

S11. Ans.(b)

Sol. Let efficiency of a man is 1 unit/day.

ATQ,

$$8 \times 12 = 8 \times 8 + (8 + X) \times \frac{2}{3} \times 4$$

$X = 4$ men

S12. Ans.(e)

Sol. Let us assume that batsman should make X runs in next inning to fulfill the given conditions.

ATQ,

$$29 \times 16 + X = 30 \times \left(16 \times \frac{17}{16}\right)$$

$X = 46$.

S13. Ans.(e)

Sol. Let the present age of Neha and Sarita be $3k$ and $4k$ respectively.

$$\text{ATQ, } \frac{3k-x}{4k-x} = \frac{x-5}{x+6}$$

So, here we have two variable and single equation.

So, ages can't be determined with the help of given data.

S14. Ans.(c)

$$\text{Sol. Total number of passed students} = 2400 \times \frac{1}{12} + 1800 \times \frac{1}{9} = 400$$

$$\text{Total number of failed students} = (2400+1800) - 400 = 3800$$

S15. Ans.(d)

Sol. Let us assume that profit obtained by Shivam and Amit after charity is $7x$ and $5x$ respectively.

So, Total profit after charity = $12x$

$$\text{ATQ, } 5x = 37500 \text{ Rs.}$$

$$\text{So, } 12x = 90000 \text{ Rs.}$$

ATQ, 25% of the profit goes to charity

$$\text{So total profit including charity} = 90000 \times \frac{4}{3} = 120000 \text{ Rs.}$$

S16. Ans.(d)

$$\text{Sol. Total car produced by Maruti, Suzuki and Honda in the year 2016} = 50000 + 55000 + 45000 = 150000$$

$$\text{Total car produced by Tata motors in 2017 and Maruti in 2018 together} = 65000 + 55000 = 120000$$

$$\text{Required \%} = \frac{150000-120000}{120000} \times 100 = 25\%$$

S17. Ans.(a)

Sol. Average number of cars produced by Maruti, Renault India and Tata in 2018

$$= \frac{1}{3} \times (55000 + 65000 + 60000) = 60000$$

Average number of cars produced by Tata motors and Honda together in 2017

$$= \frac{1}{2} \times (65000 + 45000) = 55000$$

$$\text{Required difference} = 60000 - 55000 = 5000$$

S18. Ans.(b)

$$\text{Sol. Total car produced by Renault India in 2017 \& 2018 together} = 60000 + 65000 = 125000$$

$$\text{And sum of the total car produced by Suzuki in 2016 \& 2017 and Honda in 2017 \& 2018 together} = 55000 + 50000 + 45000 + 50000 = 200000$$

$$\text{Required ratio} = 125: 200$$

$$= 5: 8$$

S19. Ans.(d)

Sol. Total car produced by Suzuki, Tata motors and Honda in 2019

$$= \left(60 \times \frac{110}{100} + 60 \times \frac{130}{100} + 50 \times \frac{60}{100} \right) \times 1000$$

$$= 174000$$

S20. Ans.(a)

Sol. Total car produced by Suzuki and Renault India in these three years

$$= (55 + 50 + 60 + 50 + 60 + 65) \times 1000$$

$$= 340000$$

Total car produced by Maruti and Tata motors in these three years

$$= (50 + 60 + 55 + 60 + 65 + 60) \times 1000$$

$$= 350000$$

$$\text{Required \%} = \frac{340000}{350000} \times 100$$

$$= 97\frac{1}{7}\%$$

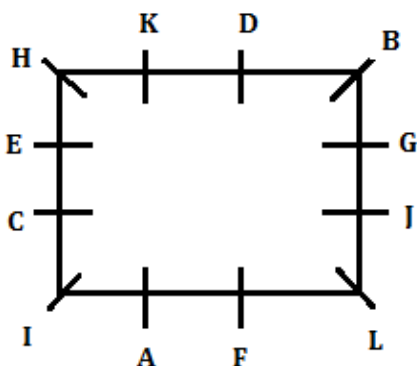
S21. Ans.(a)

Sol. Only option (a) nullify the confidence of Italian car maker, other two statements support their confidence.

S22. Ans.(c)

Sol. Only (c) is the effective course of action for the given statement as it suggests the correct measure to curb this problem whereas (a) and (b) are the effects of the problem. Also (d) is the fallout of the given statement and (e) describes consequences of the problem.

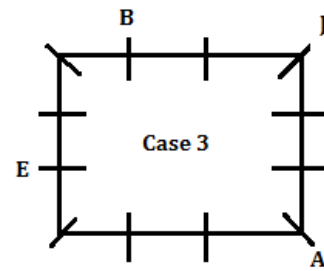
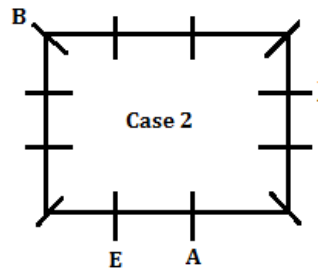
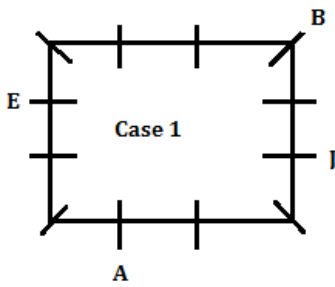
Solutions (23-27): Final arrangement:



Explanation:

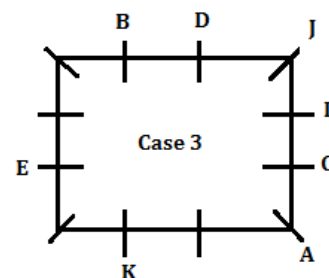
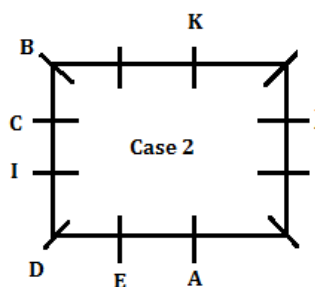
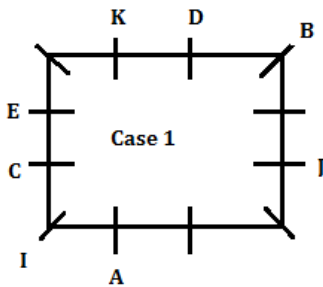
Clues: J sits third to the right of A. Four persons sit between A and B who faces the one who sits second to the right of E. The consecutive alphabetically named persons doesn't sit opposite to each other.

Inference: We have three possible cases from the above statements:



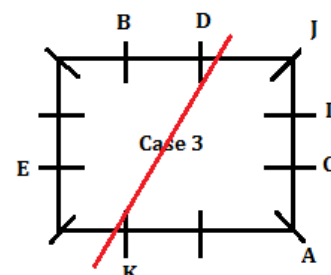
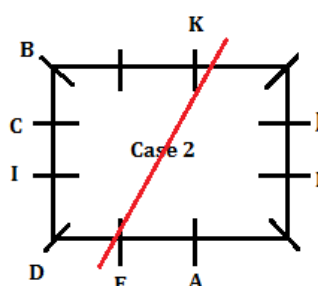
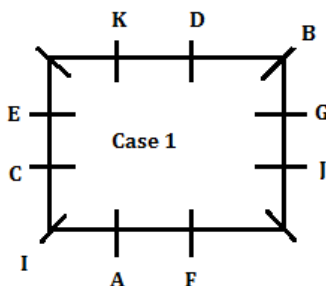
Clues: As many persons sit between A and E as between E and D. C sits third to the right of K but doesn't sit at the corner of the table. I sits next to C but not next to E. K doesn't sit adjacent to A and J.

Inference: We have the following arrangement from the above statements:



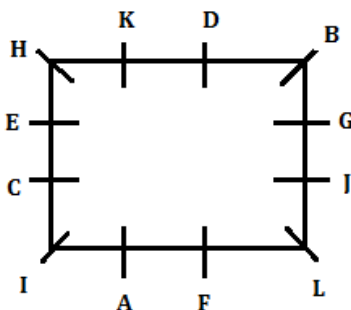
Clues: F sits at the side of the table and faces the one who sits second to the right of G.

Inference: From the above conditions case 2 and case 3 get eliminated because no space left for G.



Clues: At least one person sits between H and F when counts from the left of H.

Inference: Only L is left. Thus, the final arrangement is:



S23. Ans.(c)

Sol. Six persons sit between L and K when counts from the left of L.

S24. Ans.(c)

Sol. Statement given in option (c) is true.

S25. Ans.(e)

Sol. Except option (e), all sit at the corner of the table.

S26. Ans.(b)

Sol. As many persons sit between H and I as between G and F.

S27. Ans.(e)

Sol. I sits third to left of L.

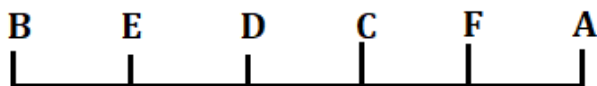
Directions (28):

S28. Ans.(a)

Sol. I. V \$ F (True) II. T @ V (False)

S29. Ans.(e)

Sol. Statement I alone and statement II alone are not sufficient to answer, but after combining both the statements we get the answer i.e., E sits immediate left of D.



S30. Ans.(a)

Sol. Statement I alone is sufficient to answer i.e., the code of "Kingfisher" is "hys".

S31. Ans.(b)

Sol. Statement II alone is sufficient to answer i.e., U has 53pens.

$$\begin{array}{ccccccc} \mathbf{U} & > & \mathbf{S} & > & \mathbf{G} & > & \mathbf{H} & > & \mathbf{T} \\ \mathbf{53} & & \mathbf{45} & & & & & & \end{array}$$

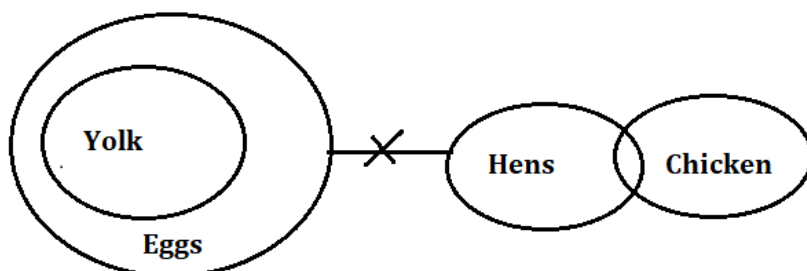
S32. Ans.(b)

Sol. Explanation:

I. Not follows – because there is no direct relation between eggs and chicken, so any definite relation between them will not follow.

II. Follows – because all yolk are eggs and no eggs is hens.

III. Follows – because the part of chicken which are hens cannot be eggs.

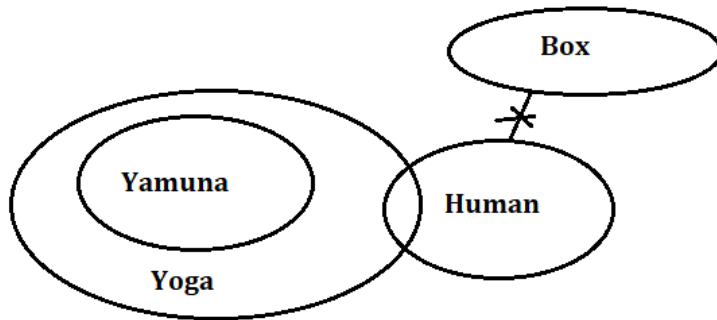


S33. Ans.(c)

Sol. Explanation:

I. Not follow – because Yamuna is only related to yoga, so its relation with any other is not possible in definite statement. Thus, possibility here will not follow.

II. Follow – because the part of yoga which is human cannot be box.



S34. Ans.(d)

Sol. Neither I nor II is implicit.

Explanation: Assumption I makes a claim about the viability of renewable energy, which isn't directly stated or implied by the fact that the significant deals were with oil and gas companies. Assumption II suggests a reason (lack of commitment to environmental sustainability) for the country's energy deals, but the statement does not imply anything about the government's commitment or lack thereof to environmental sustainability.

Solutions (35-39): Final arrangement:

Boxes	Colors
K	Aqua
M	Rouge
I	Salmon
N	Navy
P	Coral
J	Indigo
O	Peach
L	Gulf

Explanation:

Clues:

Navy color box is kept two boxes above the box which is kept four boxes below box M. Only two boxes are kept between box M and the Coral color box.

Inference:

From above conditions we get two possibilities.

Boxes	Colors	Boxes	Colors
Case 1		Case 2	
M			Coral
	Navy		
	Coral	M	
			Navy

Clues:

Only three boxes are kept between the Aqua box and Coral box. Rouge box is kept adjacent to the Aqua box. The number of boxes kept between the Rouge box and the Navy box is the same as between the Coral box and box O. Box O is kept below the Coral box but not kept at the lowermost position.

Inference:

From above condition one more case arise and case 1 get cancelled.

Boxes	Colors	Boxes	Colors	Boxes	Colors
Case 1		Case 2		Case 3	
	Rouge		Coral		Aqua
	Aqua			M	Rouge
M		O			
		M	Rouge		Navy
	Navy		Aqua		Coral
	Coral		Navy		
				O	

Clues:

The number of boxes kept above the Salmon box is the same as below box J. Box J is kept one of the positions below Navy Box. Box P is kept two positions above the box which is peach color. Neither box J nor box L is Peach color.

Inference:

From above condition we get one more possibility arise from case 2 as case 2a.

Boxes	Colors	Boxes	Colors	Boxes	Colors
Case 2		Case 3		Case 2a	
P	Coral		Aqua		Coral
	Salmon	M	Rouge		Salmon
O	Peach		Salmon	O	
M	Rouge		Navy	M	Rouge
	Aqua	P	Coral		Aqua
	Navy	J		P	Navy
J		O	Peach	J	
					Peach

Clues:

The number of boxes kept between the Peach box and box J is the same as between boxes I and N. Box I is neither in Aqua nor Navy color. The number of boxes kept above box K is two less than the number of boxes kept below the Indigo box.

Inference:

From above condition case 2 and case 2a get cancelled.

Boxes	Colors	Boxes	Colors	Boxes	Colors
Case-2		Case 3		Case-2a	
P	Coral	K	Aqua	I/N	Coral
I	Salmon	M	Rouge	N/I	Salmon
O	Peach	I	Salmon	O	
M	Rouge	N	Navy	M	Rouge
	Aqua	P	Coral		Aqua
	Navy	J	Indigo	P	Navy
J		O	Peach	J	
		L	Gulf		Peach

Inference:

After combining all the information, we get final arrangement.

Boxes	Colors
K	Aqua
M	Rouge
I	Salmon
N	Navy
P	Coral
J	Indigo
O	Peach
L	Gulf

S35. Ans.(a)

Sol. Three boxes are kept above the Navy color box.

S36. Ans.(e)

Sol. Box M is two boxes above box I.

Boxes	Colors
K	Aqua
N	Rouge
J	Salmon
M	Navy
P	Coral
I	Indigo
O	Peach
L	Gulf



S37. Ans.(e)

Sol.

Boxes	Colors	Reverse alphabetical order
K	Aqua	I
M	Rouge	J
I	Salmon	K
N	Navy	L
P	Coral	M
J	Indigo	N
O	Peach	O
L	Gulf	P

S38. Ans.(d)

Sol. The position of box P is three boxes above of box L.

S39. Ans.(b)

Sol. Box K is Aqua color.

S40. Ans.(a)

Sol. Only I is implicit.

Explanation: Assumption I is implicit, as the statement suggests that resistance from some schools is due to a lack of resources, implying that having resources might influence the adoption of reforms. Assumption II discusses the effectiveness of educational reforms based on uniform implementation, which is not addressed or implied in the statement.

S41. Ans.(c)

Sol. Correct Answer: (c) The emergence of an innovative idea about the unconscious

Relevant Line from the Passage:

"Yet between 1700 and 1900, this notion developed as a genuinely original thought."

"The 'unconscious' burst the shell of conventional language..."

"...until, finally, it became fixed and defined in specialized terms within the realm of medical psychology and Freudian psychoanalysis."

Explanation:

The passage **clearly emphasizes** that the concept of the **"unconscious" emerged as an original and novel idea** during the 18th and 19th centuries.

It did not exist in a fully formed or clearly defined way before, and it **gradually evolved into a well-defined term** within psychology and Freudian theory.

This evolution represents a **conceptual shift** from older, vague notions of the soul/mind to a more **structured psychological understanding**.

Why the Other Options Are Incorrect:

- (a) **The entrenchment of neuroscientific terminology** – X Neuroscience is **not the focus** of this passage.
- (b) **The dissolution of Freudian psychoanalysis** – X The passage says Freudian theory **solidified** the concept, not dissolved it.
- (d) **The stagnation of medical psychology** – X Contradicted by the text — psychology was **growing and developing**.
- (e) **The eclipse of literary and intellectual language** – X The passage states the **language enriched**, not declined.

Final Answer: (c) The emergence of an innovative idea about the unconscious

S42. Ans.(d)

Sol. Correct Answer: (d) A proliferation of seemingly unrelated issues, practices, and experiences

Relevant Line from the Passage:

“At the same time, once coined, powerful new ideas attracted to themselves a whole host of seemingly unrelated issues, practices, and experiences, creating a peculiar network of preoccupations that as a group had not existed before.”

Explanation:

The passage clearly describes how powerful new ideas (such as the “unconscious”) began to **pull in many different fields and concepts** that had previously seemed **unrelated**.

This **accumulation of diverse topics**—ranging from hallucinations and sleepwalking to philosophy and magnetism—formed a **novel “network of preoccupations.”**

Therefore, the phrase **“a proliferation of seemingly unrelated issues, practices, and experiences”** directly captures what the passage is saying.

X Why the Other Options Are Incorrect:

- (a) **A convergence of specialized terms** – X The focus is on ideas attracting diverse subjects, not terminology convergence.
- (b) **A disintegration of unrelated issues** – X Opposite of the passage’s idea; these **diverse issues are brought together**, not broken apart.
- (c) **A dispersion of conventional language** – X The passage discusses **enrichment and evolution** of language, not dispersion.
- (e) **A consolidation of Freudian psychoanalysis** – X Freudian psychoanalysis is **mentioned later**, but the **network described includes many other fields** beyond Freud.

Final Answer: (d) A proliferation of seemingly unrelated issues, practices, and experiences

S43. Ans.(c)

Sol. Correct Answer: (c) It promoted an altered understanding of traditional catchwords.

Relevant Line from the Passage:

“The vocabulary concerning the soul and the mind increased enormously in the course of the nineteenth century.”

*“The enrichments of literary and intellectual language led to an **altered understanding** of the meanings that underlie **time-honoured expressions and traditional catchwords.**”*

Explanation:

The passage clearly states that as the concept of the **unconscious evolved**, it contributed to the **enrichment of language** and led to **new interpretations** of familiar terms.

These reinterpretations affected **traditional catchwords** (established phrases), whose meanings shifted as **psychological and literary language developed**.

Thus, the influence of the unconscious led to an **altered understanding of older expressions**, exactly as stated in **option (c)**.

✗ Why the Other Options Are Incorrect:

(a) It constrained the evolution... – ✗ The passage says the **opposite**: language was **enriched**, not constrained.

(b) It catalysed the specialization of medical psychology exclusively – ✗ The development wasn't **exclusive** to medical psychology; it included **philosophy, neurology, psychiatry**, etc.

(d) It catalysed a fixed and defined use... in Freudian psychoanalysis – ✗ That's **partially true**, but not the main point about **language development**.

(e) None of these – ✗ Invalid, since (c) is **accurate and directly supported** by the text.

Final Answer: (c) It promoted an altered understanding of traditional catchwords

S44. Ans.(e)

Sol. Correct Answer: (e) Neurologists played a role in exploring the functions of the brain in relation to the unconscious.

Relevant Line from the Passage:

"The neurologist concerned with the functions of the brain and the physiological basis of mental life..."

This line is part of the longer sentence describing various **contributors** to the understanding and definition of the unconscious.

Explanation:

The passage **explicitly includes neurologists** among those involved in the **multidisciplinary attempt** to define the unconscious.

It states they were interested in the **functions of the brain** and the **physiological basis of mental life**, which directly connects them to understanding **how the unconscious works**.

Thus, they **played a role** in linking the **brain's functioning** to **concepts of the unconscious**, supporting **option (e)**.

✗ Why Other Options Are Incorrect:

(a) Neurologists were solely focused... – ✗ The passage does not state "solely"; it mentions their concerns but doesn't limit their role.

(b) Neurologists were not concerned... – ✗ Directly contradicted by the passage.

(c) The attempt... excluded neurologists – ✗ Clearly **included**.

(d) Neurologists were interested in traditional catchwords – ✗ No such claim made; this pertains more to **linguistic or philosophical** evolution, not neurology.

Final Answer: (e) Neurologists played a role in exploring the functions of the brain in relation to the unconscious

S45. Ans.(d)

Sol. Correct Answer: (d) exemplify

Relevant Phrase from the Passage:

*"The 'unconscious' burst the shell of conventional language, coined as it had been to **embody** the fleeting ideas and the shifting conceptions of several generations..."*

Target Word: EMBODY

Meaning (English):

To **represent, express, or give a concrete form** to an idea, quality, or concept.

Meaning (Hindi):

मूर्त रूप देना, किसी विचार या गुण को प्रतिनिधित्व करना या प्रतिनिधि स्वरूप होना।

Example:

Mahatma Gandhi **embodied** the principles of non-violence.

महात्मा गांधी ने अहिंसा के सिद्धांतों का मूर्त रूप प्रस्तुत किया।

Now Let's Examine the Options:

✓ (d) exemplify

Meaning (English): To **serve as a clear example** of something; to **illustrate or represent**.

Meaning (Hindi): उदाहरण प्रस्तुत करना, प्रतिनिधित्व करना

✓ Synonym of "embody" in this context — both mean **to represent or illustrate an idea or quality**.

✗ (a) hallucinate

Meaning (English): To **see or sense things that are not really there**, often due to illness or drugs.

Meaning (Hindi): भ्रम देखना, माया-जाल में देखना

✗ Unrelated to representation or embodiment.

✗ (b) contingent

Meaning (English): **Dependent on certain conditions or circumstances**.

Meaning (Hindi): निर्भर, किसी शर्त पर आधारित

✗ Not related to **representing** or **illustrating** ideas.

✗ (c) encroach

Meaning (English): To **intrude or invade someone's space or rights** gradually.

Meaning (Hindi): अतिक्रमण करना, धीरे-धीरे कब्जा करना

✗ Opposite in tone and usage.

✗ (e) sabotage

Meaning (English): To **deliberately destroy or damage** something, especially for political or military advantage.

Meaning (Hindi): तोड़फोड़ करना, जानबूझकर नुकसान पहुँचाना

✗ Completely unrelated to the idea of **expressing** or **representing**.

Final Answer: (d) exemplify

S46. Ans.(c)

Sol. The correct answer is: “ **transform**”.

Analysis: "Transform" means to make a thorough or dramatic change in form, appearance, or character, fitting the context of changing the landscape of space travel. The other options do not fit this context:
"obfuscate" means to render obscure, unclear, or unintelligible.
"delineate" means to describe or portray precisely.
"stagnate" means to cease developing; become inactive or dull.
"rescind" means to revoke, cancel, or repeal.

S47. Ans.(b)

Sol. The correct answer is: “ **mercurial**”.

Analysis: "Mercurial" means subject to sudden or unpredictable changes of mood or mind, fitting the context of the unpredictable nature of space travel. The other options do not fit this context:
"prosaic" means commonplace or dull.
"immutable" means unchanging over time.
"banal" means so lacking in originality as to be obvious and boring.
"torpid" means mentally or physically inactive.

S48. Ans.(a)

Sol. The correct answer is: “ **augment**”.

Analysis: "Augment" means to make something greater by adding to it, fitting the context of improving designs and enhancing safety measures. The other options do not fit this context:
"truncate" means to shorten by cutting off the top or the end.
"diminish" means to make or become less.
"exacerbate" means to make a problem worse.
"vitiate" means to spoil or impair the quality or efficiency of.

S49. Ans.(c)

Sol. The correct answer is: “ **engender**”.

Analysis: "Engender" means to cause or give rise to, fitting the context of creating opportunities. The other options do not fit this context:
"stymie" means to prevent or hinder the progress of.
"preclude" means to prevent from happening.
"obliterate" means to destroy completely.
"obviate" means to remove a need or difficulty.

S50. Ans.(a)

Sol. The correct answer is: “ **exigencies**”.

Analysis: "Exigencies" means urgent needs or demands, fitting the context of the challenges the industry must navigate. The other options do not fit this context:
"peregrinations" means travels or journeys.
"diatribes" means forceful and bitter verbal attacks.
"vicissitudes" means changes of circumstances or fortune, typically ones that are unwelcome.
"eulogies" means speeches that praise someone highly, typically someone who has just died.

S51. Ans.(b)

Sol. The most fitting word to describe behavior that would raise concerns about someone's well-being during a meeting is "**erratic**." This word refers to something unpredictable, unstable, or irregular, which could understandably lead colleagues to worry about a person's state.

S52. Ans.(d)

Sol. The correct answer is "**evacuation**," which specifically means the action of removing people from a dangerous place to a safer location. In this context, referring to a wildfire, "evacuation" is the most appropriate and contextually meaningful choice as it accurately describes the organized and efficient movement of residents away from danger. The other options— "entrance" (an act of entering), "ingress" (the action or fact of going in or entering), "advent" (the arrival of a notable person, thing, or event), and "approach" (come near or nearer to something in distance or time) —do not fit the context of moving people out of a hazardous area.

S53. Ans.(c)

Sol. The most appropriate word to describe a university known for its rigorous academic programs and distinguished faculty in a positive and fitting manner is "**prestigious**." This word signifies respect and high standing based on excellence, which aligns well with the description of the university.

S54. Ans.(b)

Sol. The correct answer is "**stoking**," which means to add fuel to a fire, both literally and figuratively, and is used metaphorically to describe actions that intentionally worsen or intensify a situation. In this context, the term fits perfectly as it implies that the campaign deliberately exacerbated racial tensions to attract support from extremist groups. The other options— "lessening" (to make or become less), "curtailing" (to reduce in extent or quantity; impose a restriction on), "retrenching" (reduce costs or spending in response to economic difficulty), and "abating" (to reduce in amount, degree, intensity, etc.) —all suggest decreasing or reducing tensions, which is the opposite of what is being described.

S55. Ans.(e)

Sol. The most appropriate word that fits in the blank to make the sentence contextually meaningful and grammatically correct is "**acquaintances**". The word "acquaintances" means people known to one, but not close friends; individuals with whom one has a casual or limited relationship. This word fits well in the context because it accurately describes the type of people who may not provide as good company as long-standing friends. The context of the sentence revolves around finding good company. It emphasizes that long-standing friends are more likely to provide such good company compared to acquaintances.

The other words do not fit the context of the sentence.

Option (a) greenness is an incorrect option as it means lack of experience or knowledge; inexperience, which does not fit the context of the sentence.

Option (b) supplement is an incorrect option as it means something that completes or enhances something else when added to it, which does not fit the context of the sentence.

Option (c) ignorance is an incorrect option as it means lack of knowledge, information, or awareness, which does not fit the context of the sentence.

Option (d) callowness is an incorrect option as it means lack of experience, immaturity, or naivety, which does not fit the context of the sentence.

S56. Ans.(b)

Sol. The error in the sentence is in part (B), where "interacted" is used in the past tense. The correct tense should be the present tense "interact" to match the present tense used in the rest of the sentence, indicating an ongoing or future consideration. Therefore, the corrected part B should read "how autonomous vehicles interact."

Hence, the correct sentence will be: "City planners must assess how autonomous vehicles **interact** with pedestrians, cyclists, and traditional manually driven cars."

S57. Ans.(c)

Sol. The most appropriate word to describe a university known for its rigorous academic programs and distinguished faculty in a positive and fitting manner is " **prestigious**." This word signifies respect and high standing based on excellence, which aligns well with the description of the university.

S58. Ans.(b)

Sol. The correct answer is " **stoking**," which means to add fuel to a fire, both literally and figuratively, and is used metaphorically to describe actions that intentionally worsen or intensify a situation. In this context, the term fits perfectly as it implies that the campaign deliberately exacerbated racial tensions to attract support from extremist groups. The other options— "lessening" (to make or become less), "curtailing" (to reduce in extent or quantity; impose a restriction on), "retrenching" (reduce costs or spending in response to economic difficulty), and "abating" (to reduce in amount, degree, intensity, etc.) —all suggest decreasing or reducing tensions, which is the opposite of what is being described.

S59. Ans.(a)

Sol. Correct Answer: (a) A

Sentence:

He enjoys to swim (A)/ in the (B)/ lake (C)/ during summer. (D)

Explanation of the Error in Part (A): "enjoys to swim"

The verb "enjoy" is always followed by a **gerund** (verb + ing), **not** an **infinitive** (to + verb).

Grammar Rule:

Certain verbs like **enjoy, avoid, finish, consider, suggest** are always followed by **gerunds** (verb+ing), not **infinitives**.

✗ Incorrect: He enjoys **to swim**

✓ Correct: He enjoys **swimming**

✓ **Corrected Sentence:**

He enjoys swimming in the lake during summer.

S60. Ans.(b)

Sol. The given highlighted phrase is incorrect because the given sentence is in past perfect continuous and its correct structure is 'has/have+ been + V-ing'. 'Petrol prices' is plural therefore 'has been' is also incorrect in option (a). The correct phrase is 'have been inching up over'

