

IBPS Clerk Pre 2022 (3rd September) Shift-Wise Previous Year Papers Mock 04

Directions (1-8): Read the following passage carefully and answer the questions given below them.

Ayurveda is one of the most renowned traditional systems of medicine that has survived and flourished from ages till date. With the enormous knowledge of nature based medicine, the relationship of human body constitution and function to nature, and the elements of the universe that act in coordination and affect the living beings, this system will continue to **flourish** in ages still to come. There are many avenues still to be explored by the researchers, practitioners and experts in the field who carry the responsibility of keeping the traditional systems of medicine (TSMs) alive and contributing to their growth in the future. However, due to many barriers such as lack of literature sources in different languages and **insufficiency** of awareness about the basic principles and histories of the systems from different ethnic origins, there is a lacuna of exchange of information from systems around the globe.

Knowledge of systems from different ethnic origins would bring about interchange of knowledge and increase the understanding of different systems, and this can ultimately contribute to integration and advancement of herbal drug research when accompanied by collaborative work of researchers from different countries. These futuristic goals can be accomplished when one gains insights about the systems, the principles and histories and works upon the strengthening aspects common between the various TSMs. In this review, we have made an attempt to put forth the basic principles of doctrine and history of Ayurveda to _____ to the above said perspectives.

Ayurveda believes that the entire universe is composed of five elements: Vayu (Air), Jala (Water), Aakash (Space or ether), Prithvi (Earth) and Teja (Fire). These five elements (referred to as Pancha Mahabhoota in Ayurveda) are believed to form the three basic humors of human body in varying combinations. The three humors; Vata dosha, Pitta dosha and Kapha dosha are collectively called as "Tridoshas" and they control the basic physiological functions of the body. Ayurveda it is believed, that a perfect balance between the nature elements and the Tridoshas of the human body should be maintained for a healthy state of living.

Q1. How does the Ayurveda work for the humans?

- (a) Ayurveda cures in a traditional way through nature-based medication.
- (b) Ayurveda establishes a link between the human body and nature
- (c) It reckons the impacts of universal elements' act on a living being
- (d) All of these
- (e) None of these

Q2. What is/are the limitation(s) of the exchange of information throughout the world?

- (a) Overlooking of basic principles and histories of the system from various ethnic origins
- (b) The Ayurveda literature sources aren't available in different languages
- (c) The developed countries have more stringent copyrights rules and regulations
- (d) Every country has its own type of herb production and this limits exchange of information
- (e) Both (a) and (b)

Q3. What is the significance of knowledge of systems from different ethnic origins?

- (a) This will promote the exchange of knowledge and will boost understanding of the different systems.
- (b) This will eventually help in the incorporation and upgradation of herbal drug research.
- (c) This will encourage new international trade agreements in the field of Ayurveda.
- (d) This will attract foreign investments as India is the origin of the Ayurveda and herbs
- (e) Only (a) and (b)

Q4. According to the Ayurveda, what role do Tridoshas play in the human body?

- (a) It supplies stamina to the body to fight external germs in the body
- (b) Tridoshas control only human senses hearing, touch and smell
- (c) It manages the rudimentary physiological functions of the body
- (d) It detoxifies the body and balances different nutrition in the body
- (e) None of these

Q5. Which of the following statements is/are TRUE as per the information given in the passage?

- (i) According to the Ayurveda, the entire universe is the composition of five elements.
 - (ii) Nature elements and the Tridoshas should be balanced perfectly for a healthy state of living.
 - (iii) Reinforcing similar aspects between the many TSMs is one of the steps needed to achieve the exchange of knowledge of the system.
- (a) Only (i)
 - (b) Both (i) & (iii)
 - (c) Only (iii)
 - (d) All are true
 - (e) Both (ii) & (iii)

Q6. Which of the following words is a synonym of 'flourish' given in the passage?

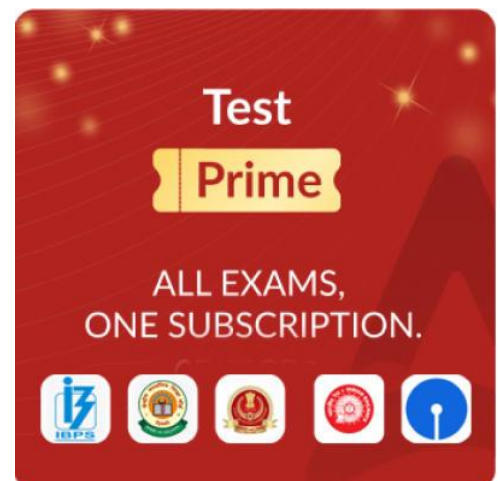
- (a) renegade
- (b) thrive
- (c) rampant
- (d) mitigate
- (e) None of these

Q7. Which of the following words is an antonym of 'insufficiency' given in the passage?

- (a) endure
- (b) sideline
- (c) reiterate
- (d) adequacy
- (e) None of these


Q8. Which of the following can be used to fill the blank given in the passage in order to make a grammatically correct and contextually meaningful sentence?

- (a) contribute
- (b) uprise
- (c) wrath
- (d) pave
- (e) None of these



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Directions (9-13): In each of the questions given below, a statement has been given with a word omitted. Following the statement, four words have been given and one of the given words will fit in the blank. Choose the most appropriate word to make the statement contextually correct and grammatically meaningful.

Q9. India has met the _____ of a liberalized economy.

- (a) deadline
- (b) sizzle
- (c) threshold
- (d) association
- (e) criteria

Q10. Private universities have begun _____ new courses and subjects.

- (a) launch
- (b) underpin
- (c) introducing
- (d) lagging
- (e) conquering

Q11. Multiple rounds of talks have made _____ in bringing the deal back on track.

- (a) pavement
- (b) progress
- (c) solidarity
- (d) accomplish
- (e) rebel

Q12. Indian culture has been _____ by several foreign cultures throughout its history.

- (a) cherished
- (b) applause
- (c) influenced
- (d) dictate
- (e) whirl

Q13. _____ periods of sitting also seem to increase the risk of death from cardiovascular disease and cancer.

- (a) Reneged
- (b) Lasting
- (c) Delayed
- (d) Prolonged
- (e) Encompassed

Directions (14-18): In each question below a sentence with four words printed in bold type is given. One of these four words printed in bold may be either wrongly spelt or inappropriate in the context of the sentence. Find out the word which is wrongly spelt or inappropriate if any. If all the words printed in bold are correctly spelt and also appropriate in the context of the sentence, mark (E) i.e. 'All correct' as your answer.

Q14. Some **studies** have **sugested** that **sugar** is as **addictive** as Cocaine.

- (a) studies
- (b) sugested
- (c) sugar
- (d) addictive
- (e) All are correct

Q15. **Chemicals realized** by waste **plastic** bags enter the soil and make it **infertile**.

- (a) chemicals
- (b) realized
- (c) plastic
- (d) infertile
- (e) All are correct

Q16. Green Economy is a development **strategy** which **synergizes** both economic development and **ecologicl sustainability**.

- (a) strategy
- (b) synergizes
- (c) ecologicl
- (d) sustainability
- (e) All are correct

Q17. The UGC has **relaxed** the norms and **standards** for **setting** up open **univercities**

- (a) relaxed
- (b) standards
- (c) setting
- (d) univercities
- (e) All are correct

Q18. Rabindranath Tagore had a **limitless curiosity** to know more about the world that could not be **satisfeid** by the formal **education** given by the school.

- (a) limitless
- (b) curiosity
- (c) satisfeid
- (d) education
- (e) All are correct

Directions (19-22): Rearrange the given sentences to form a meaningful paragraph. And answer the questions that follow.

(A) But with the spread of education, men have been compelled to take up works quite different from those of their fathers or grandfathers.

(B) The profession of a man was generally determined by the profession of his family or father.

(C) A Man's life and future is depended on his profession (or vocation) and right choice of profession is important.

(D) Man has to earn his living, and different persons do this in different ways, which are their profession or vocations in life.

(E) Thus, professions, doctors, lawyers, administrators etc. desired their children to step into their shoes.

Q19. Which of the following will be **THIRD** sentence after rearrangement?

- (a) D
- (b) C
- (c) A
- (d) E
- (e) B

Q20. Which of the following will be **FIFTH** sentence after rearrangement?

- (a) D
- (b) C
- (c) A
- (d) E
- (e) B

Q21. Which of the following will be **FOURTH** sentence after rearrangement?

- (a) D
- (b) C
- (c) A
- (d) E
- (e) B

Q22. Which of the following will be **SECOND** sentence after rearrangement?

- (a) D
- (b) C
- (c) A
- (d) E
- (e) B

Directions (23-26): Which of the phrase/ word 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 (E) i.e., "No replacement required" as the answer.

Q23. One of the candidates **who is applying to** the job this year is waiting in the reception area.

- (a) who are applied to
- (b) that is applied to
- (c) who are applying to
- (d) which are applying to
- (e) No replacement required

Q24. Although people think raindrops look like teardrops, **but they actually look** more like chocolate chip cookies.

- (a) they actually looks
- (b) but they actually looks
- (c) but it actually look like
- (d) they actually look
- (e) No replacement required

Q25. India and South Korea **has experienced considerable** divergence in their respective national objectives.

- (a) have experience considerable
- (b) have experience considerably
- (c) have experienced considerable
- (d) have experiencing considerably
- (e) No replacement required

Q26. A person **must embrace all of** life's facets in order to fully live.

- (a) may embrace all at
- (b) must embraces all of
- (c) must embraced all of
- (d) must embraced all for
- (e) No replacement required

Q27. In the questions given below, each question contains four sentences, in which one sentence is error-free. Choose the correct sentence as your answer choice. If all the sentences are incorrect, choose "All are incorrect" as your answer choice.

- (a) The U.S. and Iran should start direct negotiations to overcoming differences.
- (b) One major change in rule is the introduction of a market for e-waste recycling certificates.
- (c) Child undernutrition in the first three months remain high.
- (d) The government generous allocates financial resources to academic institutions.
- (e) All are incorrect

Q28. In the questions given below, each question contains four sentences, in which one sentence is error-free. Choose the correct sentence as your answer choice. If all the sentences are incorrect, choose "All are incorrect" as your answer choice.

- (a) The ISRO have initiated 'Project NETRA' to monitor space debris.
- (b) The inflation rate reported was the higher since the currency meltdown in 1998
- (c) There is a ban on sachets using plastic material used for storing and packing.
- (d) The primary reason of the popularity of UPI is that it accepts transactions as small as one rupee.
- (e) All are incorrect

Q29. In the questions given below, each question contains four sentences, in which one sentence is error-free. Choose the correct sentence as your answer choice. If all the sentences are incorrect, choose "All are incorrect" as your answer choice.

- (a) The concert efforts made by the RBI to contain inflation appear to be having some impact.
- (b) China has build 10 dams along the upper stretch of the Mekong
- (c) The government has recently announced their plan to create 10 lakh jobs.
- (d) Indo-Pacific turbulence has reached an all-time high.
- (e) All are incorrect

Q30. In the questions given below, each question contains four sentences, in which one sentence is error-free. Choose the correct sentence as your answer choice. If all the sentences are incorrect, choose "All are incorrect" as your answer choice.

- (a) One rarely get to listen to a Spanish poet in New Delhi.
- (b) Light from a distance object takes time to reach on Earth.
- (c) Amid the beating of drums, the dancers moved in circular and kept dancing
- (d) Pickle is prepared and preserve through natural or controlled fermentation
- (e) All are incorrect

Directions (31-35): Table given below shows the percentage of marks obtained by six students in four different subjects. Answer the following question on the basis of the information given below: -

STUDENTS	MATHMETICS (OUT OF 80)	REASONING (OUT OF 80)	SCIENCE (OUT OF 50)	ENGLISH (OUT OF 100)
Ganesh	45	70	56	35
Amit	70	50	60	65
Ajay	40	60	40	68
Jay	60	35	50	89
Shubham	80	75	30	75
Atul	85	46	40	25

Q31. What is the approximate percentage of marks obtained by Amit in all the subjects?

- (a) 47%
- (b) 62%
- (c) 41%
- (d) 52%
- (e) 58%

Q32. What is the sum of average percentage of marks obtained by all students in Reasoning and English?

- (a) 146.5%
- (b) 115.5%
- (c) 126.5%
- (d) 134.5%
- (e) 138.5%

Q33. What is the difference between average marks obtained by Atul in all subjects and average marks obtained by Shubham in all subjects?

- (a) 12.77
- (b) 9.65
- (c) 16.05
- (d) 10
- (e) 13.07

Q34. What are the average marks of all the students in Mathematics (approximately)?

- (a) 75
- (b) 70
- (c) 87
- (d) 51
- (e) 67

Q35. What is the sum of marks obtained by Ganesh in Mathematics and Science together to the marks obtained by Jay in Reasoning and English together?

- (a) 180
- (b) 182
- (c) 195
- (d) 181
- (e) 115

Directions (36-40): What will come in the place of question (?) mark in following number series:

Q36. 5, ?, 14, 45, 184, 925

- (a) 7
- (b) 6
- (c) 8
- (d) 9
- (e) 10

Q37. ?, 23, 38, 47, 66, 79

- (a) 18
- (b) 16
- (c) 14
- (d) 12
- (e) 10

Q38. 18, 18, 36, 108, 432, ?

- (a) 1890
- (b) 1600
- (c) 1540
- (d) 2160
- (e) 2020

Q39. 56, 840, 70, ?, 105, 315

- (a) 120
- (b) 250
- (c) 420
- (d) 540
- (e) 630

Q40. 28, ?, 63, 127, 252, 468

- (a) 50
- (b) 42
- (c) 38
- (d) 36
- (e) 55

Q41. Avinash covers a distance of 560 km in 7 hours. If speed of Anurag is $\frac{3}{4}$ th of the speed of Avinash, then find time taken by Anurag to cover $\frac{5}{8}$ th of the distance that is covered by Avinash.

- (a) 320 min
- (b) 420 min
- (c) 395 min
- (d) 350 min
- (e) 280 min

Q42. Two alloys containing iron: zinc: tin and iron: tin in ratio 2:3:4 and 2:1 respectively is mixed in ratio 3:5 respectively to form another alloy so that tin in final alloy becomes 45 kg, find quantity of zinc in final alloy?

- (a) 18 kg
- (b) 24 kg
- (c) 20 kg
- (d) 15 kg
- (e) 32 kg

Q43. By selling an article at Rs 750, a shopkeeper gets a loss of 25%. Find, to make a profit of 25% he should sell the article at how much price?

- (a) Rs 1200
- (b) Rs 1250
- (c) Rs 900
- (d) Rs 1000
- (e) Rs 1500

Q44. A, B and C can do a piece of work in 12 days, 8 days and 20 days respectively. If total wage earned by them is Rs 930, then find wage of C is how much more/less than A.

- (a) Rs 120
- (b) Rs 180
- (c) Rs 160
- (d) Rs 220
- (e) Rs 150

Q45. What will be area (in cm^2) of a square, which side is 12 cm more than radius of a circle. Area of the circle is 2464 cm^2 ?

- (a) 1600
- (b) 2500
- (c) 1024
- (d) 1296
- (e) 2304

Q46. A sum becomes 180% of itself at simple interest in 4 years. Find the compound interest on sum of Rs 1600 at same rate of interest after 2 years.

- (a) Rs 608
- (b) Rs 704
- (c) Rs 756
- (d) Rs 832
- (e) Rs 669

Q47. A person bought an old bicycle in Rs 5600. He expenses Rs. P on repairing it. Find value of P, if he sold the bicycle in Rs 8400 and makes profit of 20%.

- (a) Rs 1200
- (b) Rs 900
- (c) Rs 1000
- (d) Rs 1400
- (e) Rs 450

Q48. Rohit invests twice the sum invested by Shikhar and withdraws half of sum after 8 months and again withdraws half of the remaining sum after next 8 months. Find Ratio of profit share of Rohit and Shikhar after 2 years?

- (a) 3 : 4
- (b) 7 : 6
- (c) 4 : 3
- (d) 6 : 7
- (e) None of these

Q49. Speed of a boat in upstream is 70% of speed of boat in downstream. If speed of current is 6 km/hr. Find time taken by boat in downstream to cover 440 km?

- (a) 7 hr
- (b) 9 hr
- (c) 8 hr
- (d) 11 hr
- (e) 10 hr

Q50. Train A crosses a platform of 98 m length in 24 sec. Another Train B of same length as Train A crosses a pole in 12 sec. If speed of train A is 20% more than speed of train B. Find length of train A?

- (a) 80 m
- (b) 65 m
- (c) 70 m
- (d) 75 m
- (e) 90 m

Directions (51-65): - What will come in place of question mark (?) in the following questions.

Q51. $43.5 \times \frac{64}{8 \times 4} \times \frac{1}{29} - 2 = ?$

- (a) 4
- (b) 12
- (c) 6
- (d) 1
- (e) 8

Q52. $(33 \times 81 \div 99) + 3 - ? = 4$

- (a) 20
- (b) 26
- (c) 34
- (d) 16
- (e) 40

Q53. $20 + 5 + 30.5 - 50 = ?$


- (a) 5.5
- (b) 2
- (c) 8.5
- (d) 12.5
- (e) 14

Q54. $995 - 40 \times 20 + 5 = 2 \times ?$

- (a) 115
- (b) 85
- (c) 100
- (d) 125
- (e) 75


Q55. $(10)^2 + (24)^2 = 276 + (?)^2$

- (a) 34
- (b) 6
- (c) 28
- (d) 12
- (e) 20



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Q56. $1669 - 5287 + 7982 - 2219 = ?$

- (a) 2344
- (b) 2282
- (c) 2370
- (d) 2145
- (e) 2205

Q57. $\frac{4860}{6^2} + 5145 \div (7)^3 - 47 \times 3 = ?^2$

- (a) 9
- (b) 7
- (c) 3
- (d) 6
- (e) 2

Q58. $6 \times \left(\frac{52 \times 36}{117}\right) - \frac{952}{68} + 59 \times 2 = ?$

- (a) 200
- (b) 170
- (c) 140
- (d) 120
- (e) 150

Q59. $\sqrt{1156} + \sqrt{2209} = ? \times \sqrt{81}$

- (a) 9
- (b) 12
- (c) 7
- (d) 5
- (e) 11

Q60. $64\% \text{ of } 2500 + 75\% \text{ of } 1600 = ? \times 112$

- (a) 28
- (b) 21
- (c) 24
- (d) 32
- (e) 25

Q61. $37\frac{1}{2}\% \text{ of } ? - \sqrt{784} = 89$

- (a) 320
- (b) 312
- (c) 325
- (d) 340
- (e) 310

Q62. $189 + (11)^2 + (28)^2 = ? + 412$

- (a) 702
- (b) 692
- (c) 662
- (d) 682
- (e) 672

Q63. $45 + 20\% \text{ of } ? = 460 \div 4$

- (a) 250
- (b) 450
- (c) 400
- (d) 350
- (e) 360

Q64. $25\% \text{ of } 360 + 12.5 \times 4 = ?^2 + 40$

- (a) 9
- (b) 8
- (c) 10
- (d) 12
- (e) 6

Q65. $324 + ?^2 = 40\% \text{ of } 1450$

- (a) 18
- (b) 8
- (c) 12
- (d) 16
- (e) 14



Directions (66-70): Study the following information carefully and answer the questions given below.

Eight persons i.e. A, B, C, D, J, K, L and O are sitting in a row and all of them are facing in north direction but not necessarily in the same order. D sits 5th to the right of A. Two persons sit between D and C. Three persons sit between C and O. J sits to the immediate left of L. K sits to the left of B. A sits to the left of K.

Q66. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- (a) A-K
- (b) C-J
- (c) D-O
- (d) O-B
- (e) K-J

Q67. Who among the following sits immediate right of J?

- (a) A
- (b) K
- (c) B
- (d) L
- (e) C

Q68. The number of persons sit between B and K, is same as the number of persons sit between A and ___.

- (a) D
- (b) K
- (c) O
- (d) L
- (e) None of these

Q69. Who among the following sits at the right end of the row?

- (a) L
- (b) O
- (c) B
- (d) C
- (e) None of these

Q70. Who among the following sits 5th to the right of C?

- (a) O
- (b) B
- (c) L
- (d) K
- (e) None of these

Directions (71-74): Study the following alphanumeric symbol series carefully and answer the questions given below.

Z 3 & S 0 3 @ K S & 9 \$ B 1 ? L S % 0 3 H A G % S ! 6 & S 9 2 @ 0

Q71. How many symbols to the right of 'H' in the given arrangement?

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

Q72. What will be the sum of the 3rd number from the right end and the 4th number from the left end of the given arrangement?

- (a) 12
- (b) 18
- (c) 6
- (d) 10
- (e) None of these

Q73. How many even numbers are followed by a symbol in the given arrangement?

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

Q74. If we drop all the numbers from the arrangement then which element will be 5th from the right end after the rearrangement?

- (a) S
- (b) !
- (c) %
- (d) G
- (e) None of these

Directions (75-79): Study the following information carefully and answer the questions given below.

Nine students E, N, O, M, S, U, L, P and F submit their project report on three different dates viz. 13th, 17th and 20th in three different months i.e., August, September and October in the same year but not necessarily in the same order.

E submits the report immediate before P and both do not submit on even numbered date. More than five persons submit the report between P and S. L submits the report either immediate before or immediate after S. O submits the report exactly between E and S. U submits the report before F and both of them submit their report in the month having less than 31 days. M does not submit the report on an even numbered date.

Q75. Who among the following submit the report on 20th August?

- (a) N
- (b) F
- (c) S
- (d) M
- (e) None of these

Q76. The number of students submit the report before M is same as the number of students submit the report after ____.

- (a) P
- (b) U
- (c) N
- (d) F
- (e) None of these

Q77. How many students submit the report before O?

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

Q78. S submits the report on which of the following dates?

- (a) 13th September
- (b) 17th October
- (c) 20th August
- (d) 13th August
- (e) 20th October

Q79. How many students submit the report between M and U?

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

Q80. How many pairs of letters are there in the given word 'MINERALS', each of which has as many letters between them (both forward and backward direction) in the word as they have between them according to English alphabetical order?

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

Directions (81-83): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer. Give answer accordingly.

Q81.

Statements:

$A > B \geq C = D, B < G < H > I$

Conclusions:

I. $G > D$

II. $H > A$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If both conclusions I and II are true.
- (d) If either conclusion I or II is true
- (e) If neither conclusion I nor II is true.

Q82.

Statements:

$P < Q > S \leq K < Y, L > Q > R = W$

Conclusions:

I. $W > S$

II. $S \geq R$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If both conclusions I and II are true.
- (d) If either conclusion I or II is true
- (e) If neither conclusion I nor II is true.

Q83.

Statements:

$A < Z < X > C, X > V > B, V < Y < U$

Conclusions:

I. $A < B$

II. $U > C$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If both conclusions I and II are true.
- (d) If either conclusion I or II is true
- (e) If neither conclusion I nor II is true.

Directions (84-87): In each of the questions below are given some statements 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 then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q84. Statements:

Some car are bus

All bus are truck

No truck is cycle

Conclusion:

I. Some car are not cycle

II. Some cycle can never be car

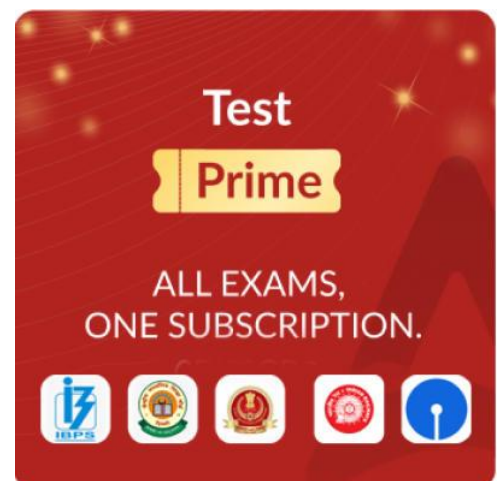
- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusion I and II follows

Q85. Statements:

No Flipkart is Amazon


Some Amazon are not Myntra

All Myntra are Snapdeal



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Conclusion:

I. All Snapdeal can never be Flipkart

II. All Myntra can be Amazon

(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 follows

Q86. Statements:

Only Flies are bees

Only a few Flies are Mosquito

Some Mosquito are Bug

Conclusion:

I. All Mosquito can be Flies

II. Some Bug can be Bees

(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 follows

Q87. Statements:

Only Cotton is Wool

No Rayon is Silk

Only a few Silk are Cotton.

Conclusion:

I. Some Wool are not Rayon

II. Some Silk are not Cotton

(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 follows

Q88. In the number '41278953', if the first digit is interchanged by fifth digit, second digit is interchanged by sixth digit and so on until the fourth digit is interchanged by eighth digit. Then what would be the resultant when the fourth digit from left is multiplied with the fifth digit from left in the new arrangement?

(a) 56

(b) 5

(c) 12

(d) 21

(e) None of these

Directions (89-93): Study the following information carefully and answer the questions given below.

Seven subjects English, History, Botany, Zoology, Biology, Physics, and Chemistry are being taught in a class on seven different days of a week starting from Monday but not necessarily in the same order. Two subjects are taught between History and Chemistry. Zoology was being taught on one of the days before Physics. Two subjects are being taught between Biology and Physics. Biology is taught on one of the days before Saturday but after Wednesday. History was taught on a day just before English which is being taught on Sunday.

Q89. Which subject is being taught on Monday?

- (a) Physics
- (b) Either Physics or Botany
- (c) Botany
- (d) Zoology
- (e) None of these

Q90. On which day Biology was taught?

- (a) Thursday
- (b) Tuesday
- (c) Wednesday
- (d) Monday
- (e) None of these

Q91. How many subjects are being taught between Zoology and Botany?

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

Q92. Which of the following statements is/are correct?

- (a) Physics was being taught on Tuesday
- (b) Botany was being taught on Friday
- (c) Botany was being taught on Thursday
- (d) Both (a) and (b)
- (e) Both (a) and (c)

Q93. Four of the following five are alike in a certain way based on a group, which among the following does not belong to that group?

- (a) Monday-Zoology
- (b) Tuesday-Physics
- (c) Wednesday-Chemistry
- (d) Friday-Botany
- (e) Thursday-Botany

Directions (94-95): Study the following information carefully and answer the given questions below.

In a family of eight members, there are equal number of male and female and there are three married couple in the family. E is the grandmother of T and has only two sons. T is the niece of O who is the brother-in-law of X. A is the father-in-law of X and V and has no sibling. I is the uncle of U. T is the single child and has no cousin.

Q94. Who among the following is the husband of X?

- (a) I
- (b) O
- (c) U
- (d) Can't be determined
- (e) None of these

Q95. Who among the following is the mother-in-law of V?

- (a) E
- (b) O
- (c) Either E or U
- (d) U
- (e) None of these

Directions (96-100): Study the set of numbers given below and answer the questions given below:

365 912 458 756 524

Q96. If all the digits in each number are arranged in ascending order within the number from left, then how many numbers will become more than 400?

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

Q97. If all the number are arranged in descending order from left then what will be the sum of the digits of the number which is fourth from right end?

- (a) 15
- (b) 11
- (c) 18
- (d) 14
- (e) None of these

Q98. If second and third digit of each number are interchanged within the number then, how many even numbers will form after the arrangement?

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

Q99. What will be the resultant if the third digit of second number from left is multiplied by the second digit of third number from right end?

- (a) 10
- (b) 8
- (c) 25
- (d) 5
- (e) None of these

Q100. What is the sum of all the digits of the number which is second smallest in the series?

- (a) 14
- (b) 12
- (c) 18
- (d) 17
- (e) None of these

Solutions

S1. Ans.(d)

Sol. To validate the answer, refer to the first paragraph which mentions, "With the enormous knowledge of nature-based medicine, the relationship of human body constitution and function to nature, and the elements of the universe that act in coordination and affect the living beings, this system will continue to flourish in ages still to come."

S2. Ans.(e)

Sol. To validate the answer, refer to the first paragraph which mentions, "However, due to many barriers such as lack of literature sources in different languages and insufficiency of awareness about the basic principles and histories of the systems from different ethnic origins, there is a lacuna of exchange of information from systems around the globe."

S3. Ans.(e)

Sol. For the correct choice, refer to the first paragraph which mentions, "Knowledge of systems from different ethnic origins would bring about interchange of knowledge and increase the understanding of different systems, and this can ultimately contribute to integration and advancement of herbal drug research when accompanied by collaborative work of researchers from different countries"

S4. Ans.(c)

Sol. To validate the answer, refer to the second paragraph which mentions, "The three humors; Vata dosha, Pitta dosha and Kapha dosha are collectively called as "Tridoshas" and they control the basic physiological functions of the body."

S5. Ans.(d)

Sol. All the given statements are true as per the information given in the passage.

To validate statement (i), refer to the last paragraph which mentions, "Ayurveda believes that the entire universe is composed of five elements: Vayu (Air), Jala (Water), Aakash (Space or ether), Prithvi (Earth) and Teja (Fire)."

To validate the statement (ii), refer to the last paragraph which mentions, "Ayurveda it is believed, that a perfect balance between the nature elements and the Tridoshas of the human body should be maintained for a healthy state of living."

To validate the statement (iii), refer to the second paragraph which mentions, "These futuristic goals can be accomplished when one gains insights about the systems, the principles and histories and works upon the strengthening aspects common between the various TSMs. "

S6. Ans.(b)

Sol. 'Thrive' has the similar meaning of 'flourish'.

Flourish means grow or develop in a healthy or vigorous way, especially as the result of a particularly congenial environment.

renegade means a person who deserts and betrays an organization, country, or set of principles.

thrive means grow or develop well or vigorously

admonish means warn or reprimand someone firmly.

mitigate means make (something bad) less severe, serious, or painful.

S7. Ans.(d)

Sol. 'Adequacy' is an antonym of 'insufficiency'.

insufficiency means the condition of being insufficient.

endure means suffer (something painful or difficult) patiently.

sideline means an activity done in addition to one's main job, especially to earn extra income.

reiterate means say something again or a number of times, typically for emphasis or clarity.

adequacy means the quality of being satisfactory or acceptable in quality or quantity.

S8. Ans.(a)

Sol. The contextually meaning and grammatically correct word for the given blank is 'contribute'.

contribute means help to cause or bring about.

uprise means rise to a standing or elevated position.

wrath means extreme anger.

pave means cover (a piece of ground) with flat stones or bricks; lay paving over.

S9. Ans.(e)

Sol. The correct word for the given blank is 'criteria'

(a) deadline means the latest time or date by which something should be completed.

(b) sizzle means make a hissing sound when frying or cooking.

(c) threshold means a point of entry or beginning.

(d) association means a group of people organized for a joint purpose

(e) criteria means a principle or standard by which something may be judged or decided.

S10. Ans.(c)

Sol. The correct word for the given blank is 'introducing'

(a) launch means set (a boat) in motion by pushing it or allowing it to roll into the water.

(b) underpin means support, justify, or form the basis for.

(c) introducing means bring (something, especially a product, measure, or concept) into use or operation for the first time.

(d) lagging means fail to keep up with another or others in movement or development.

(e) conquering means overcome and take control of (a place or people) by military force.

S11. Ans.(b)

Sol. The correct word for the given blank is 'progress'

- (a) pavement means a raised paved or asphalted path for pedestrians at the side of a road.
- (b) progress means development towards an improved or more advanced condition.
- (c) solidarity means unity or agreement of feeling or action, especially among individuals with a common interest; mutual support within a group.
- (d) accomplish means achieve or complete successfully.
- (e) rebel means a person who rises in opposition or armed resistance against an established government or leader.

S12. Ans.(c)

Sol. The correct word for the given blank is 'influenced'.

- (a) cherished means protect and care for (someone) lovingly.
- (b) applause means approval or praise expressed by clapping.
- (c) influenced means have an effect on the character, development, or behaviour of someone or something, or the effect itself.
- (d) dictate means state or order authoritatively.
- (e) whirl means move or cause to move rapidly round and round.

S13. Ans.(d)

Sol. The correct word for the given blank is 'prolonged'

- (a) Reneged means go back on a promise, undertaking, or contract.
- (b) Lasting means enduring or able to endure over a long period of time.
- (c) Delayed means make (someone or something) late or slow.
- (d) Prolonged means continuing for a long time or longer than usual; lengthy.
- (e) Encompassed means surround and have or hold within.

S14. Ans.(b)

Sol. 'Sugested' is misspelt and its correct spelling is 'suggested'

S15. Ans.(b)

Sol. 'Realized' is incorrect here and should be replaced by 'released'.

S16. Ans.(c)

Sol. 'Ecologicl' is misspelt and its correct spelling is 'ecological'.

S17. Ans.(d)

Sol. 'Univercities' is misspelt and its correct spelling is 'universities'

S18. Ans.(c)

Sol. 'Satisfeid' is misspelt and its correct spelling is 'satisfied'.

S19. Ans.(e)

Sol. Reading through the given sentences it can be seen that the given paragraph is talking about the profession of a man. So, on the basis of this information and going through the idea discussed in each sentence it can be seen that sentence (C) will be the first sentence in the rearrangement which is talking about the importance of man's selection of the right profession. Next in the arrangement will be (D) which is talking about why a man should choose their profession. This will be then followed by (B) which is talking about the inheritance of profession. Next in the arrangement will be (E) which is further explaining the information given in the previous sentence. And the last sentence in the arrangement will be (A) which contradicts the statement (B) and (E). So the final arrangement is CDBEA.

S20. Ans.(c)

Sol. Reading through the given sentences it can be seen that the given paragraph is talking about the profession of a man. So, on the basis of this information and going through the idea discussed in each sentence it can be seen that sentence (C) will be the first sentence in the rearrangement which is talking about the importance of man's selection of the right profession. Next in the arrangement will be (D) which is talking about why a man should choose their profession. This will be then followed by (B) which is talking about the inheritance of profession. Next in the arrangement will be (E) which is further explaining the information given in the previous sentence. And the last sentence in the arrangement will be (A) which contradicts the statement (B) and (E). So the final arrangement is CDBEA.

S21. Ans.(d)

Sol. Reading through the given sentences it can be seen that the given paragraph is talking about the profession of a man. So, on the basis of this information and going through the idea discussed in each sentence it can be seen that sentence (C) will be the first sentence in the rearrangement which is talking about the importance of man's selection of the right profession. Next in the arrangement will be (D) which is talking about why a man should choose their profession. This will be then followed by (B) which is talking about the inheritance of profession. Next in the arrangement will be (E) which is further explaining the information given in the previous sentence. And the last sentence in the arrangement will be (A) which contradicts the statement (B) and (E). So the final arrangement is CDBEA.

S22. Ans.(a)

Sol. Reading through the given sentences it can be seen that the given paragraph is talking about the profession of a man. So, on the basis of this information and going through the idea discussed in each sentence it can be seen that sentence (C) will be the first sentence in the rearrangement which is talking about the importance of man's selection of the right profession. Next in the arrangement will be (D) which is talking about why a man should choose their profession. This will be then followed by (B) which is talking about the inheritance of profession. Next in the arrangement will be (E) which is further explaining the information given in the previous sentence. And the last sentence in the arrangement will be (A) which contradicts the statement (B) and (E). So the final arrangement is CDBEA.

S23. Ans.(c)

Sol. The correct phrase to replace the incorrect phrase in statement is '**who are applying to**'. Because 'one of' is a singular term and generally used to talk about a noun or a pronoun and the noun or a pronoun used after the phrase "one of" is always in the plural form. When "one of" is followed by a relative pronoun like who or that, use a singular verb to describe "one" but a plural verb to refer to the plural noun.

S24. Ans.(d)

Sol. The correct phrase to replace the incorrect phrase in statement is **'they actually look'**. Since 'although' as a subordinating conjunction implies or introduces a contrast idea and 'but' as a coordinating conjunction contrasts an idea, ideally both may go against the understanding that they negate each idea. Therefore, they both may be ineffective when used together. In option (a), singular verb 'looks' is incorrect for plural noun 'raindrops'.

S25. Ans.(c)

Sol. The highlighted phrase in the sentence is incorrect. Here 'has' is incorrect for the plural noun. In option (a), 'experience' is incorrect as 'have' is followed by v3. In option (b), 'considerably' which is an adverb is incorrect as we need adjective 'considerable' here to modify noun 'divergence' therefore option (d) is also incorrect. Only option (c) is the correct choice.

S26. Ans.(e)

Sol. The highlighted phrase in the sentence is correct hence no replacement required.

S27. Ans.(b)

Sol. From all the given options only option (b) is error-free. In option (a), 'overcoming' should be replaced with 'overcome' because 'to' is followed by base form of verb. In option (c), 'remain' should be replaced with 'remains' denoting the singular noun 'undernutrition'. In option (d), 'generous' which is an adjective should be replaced with 'generously' (adverb) for verb 'allocates'.

S28. Ans.(c)

Sol. From all the given options only option (c) is error-free. In option (a), 'have' should be replaced with 'has' for singular noun 'ISRO'. In option (b), 'higher' should be 'highest' as we need superlative degree here. In option (d), 'reason of' should be replaced with 'reason for' because we use reason for + noun phrase, not reason of.

S29. Ans.(d)

Sol. From all the given options only option (d) is error-free. In option (a), 'concert' should be replaced with 'concerted' as we need adjective here. In option (b), sentence is in present perfect so 'build' should be replaced with 'built' as we need v3 here. In option (c), 'their' is incorrect and should be replaced with 'its' as the government is singular here.

S30. Ans.(c)

Sol. From all the given options only option (c) is error-free. In option (a), verb 'get' should be in singular form i.e. 'gets' for singular noun 'one'. In option (b), 'distance' which is a noun should be replaced with 'distant' that is an adjective to modify noun 'object'. In option (d), 'preserve' should be replaced with 'preserved' as the verb of the given sentence is in passive voice.

S31. Ans.(b)

Sol.

$$70\% \text{ of } 80 + 65\% \text{ of } 100 + 50\% \text{ of } 80 + 60\% \text{ of } 50$$

$$= 56 + 65 + 40 + 30$$

$$= 191$$

$$\text{So, percentage} = \frac{191}{310} \times 100 = 61.61\% \approx 62\%$$

S32. Ans.(b)

Sol.

Total percentage marks obtained by all students in reasoning = 70% + 50% + 35% + 60% + 75% + 46% = 336%

So, average of reasoning = $\frac{336\%}{6} = 56\%$

Total percentage marks obtained by all students in English = 35% + 68% + 65% + 89% + 75% + 25% = 357%

So, average of English = $\frac{357\%}{6} = 59.5\%$

So, sum of both = 56% + 59.5% = 115.5%

S33. Ans.(c)

Sol.

Total marks obtained by Shubham = 80% of 80 + 75% of 100 + 75% of 80 + 30% of 50
= 64 + 75 + 60 + 15
= 214

So, average = $\frac{214}{4} = 53.5$

Total marks obtained by Atul = 85% of 80 + 25% of 100 + 46% of 80 + 40% of 50
= 68 + 25 + 36.8 + 20
= 149.8

So, average = $\frac{149.8}{4} = 37.45$

So, required difference = 53.5 - 37.45 = 16.05

S34. Ans.(d)

Sol.

Total marks of all the students in mathematics = 80% of (45 + 70 + 40 + 60 + 80 + 85)
= 80% of 380
= 304

Average marks of all the students in mathematics = $\frac{304}{6}$
= 50.66 ≈ 51

S35. Ans.(d)

Sol.

Marks obtained by Ganesh in Mathematics and Science = 45% of 80 + 56% of 50
= 36 + 28
= 64

Marks obtained by Jay in Reasoning and English = 89% of 100 + 35% of 80
= 89 + 28
= 117

Total marks = 117 + 64 = 181

S36. Ans.(b)

Sol.

Pattern of series –

$$5 \times 1 + 1 = 6$$

$$6 \times 2 + 2 = 14$$

$$14 \times 3 + 3 = 45$$

$$45 \times 4 + 4 = 184$$

$$184 \times 5 + 5 = 925$$

S37. Ans.(a)

Sol.

Pattern of series –

$$4^2 + 2 = 18$$

$$5^2 - 2 = 23$$

$$6^2 + 2 = 38$$

$$7^2 - 2 = 47$$

$$8^2 + 2 = 66$$

$$9^2 - 2 = 79$$

S38. Ans.(d)

Sol.

Pattern of series –

$$18 \times 1 = 18$$

$$18 \times 2 = 36$$

$$36 \times 3 = 108$$

$$108 \times 4 = 432$$

$$432 \times 5 = 2160$$

S39. Ans.(e)

Sol.

Pattern of series –

$$56 \times 15 = 840$$

$$840 \div 12 = 70$$

$$70 \times 9 = 630$$

$$630 \div 6 = 105$$

$$105 \times 3 = 315$$

S40. Ans.(d)

Sol.

Pattern of series –

$$28 + 2^3 = 36$$

$$36 + 3^3 = 63$$

$$63 + 4^3 = 127$$

$$127 + 5^3 = 252$$


$$252 + 6^3 = 468$$



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S41. Ans.(d)

Sol.

Distance covered by Anurag = $560 \times \frac{5}{8}$

Speed of Anurag = $\frac{560}{7} \times \frac{3}{4}$

Required time = $\frac{\text{Distance}}{\text{speed}} = \frac{560 \times \frac{5}{8}}{\frac{560}{7} \times \frac{3}{4}} = \frac{350}{60} \times 60 = 350 \text{ min}$

S42. Ans.(d)

Sol.

let total quantity of two alloys are = $3x$ and $5x$ kg

ATQ

$$3x \times \frac{4}{9} + 5x \times \frac{1}{3} = 45$$

$$3x = 45$$

$$x = 15$$

Required quantity of zinc = $3x \times \frac{3}{9}$

$$= 15 \text{ kg}$$

S43. Ans.(b)

Sol.

Let cost price of the article be Rs. x .

ATQ

$$x \times \frac{75}{100} = 750$$

$$x = \text{Rs } 1000$$

So, required selling price = $1000 \times \frac{125}{100} = \text{Rs } 1250$

S44. Ans.(a)

Sol.

Let total work be 120 units (LCM)

So, efficiency of A, B and C be 10, 15 and 6 units/day respectively.

$$\begin{aligned} \text{So, required difference in wages} &= \left(\frac{10}{31} - \frac{6}{31} \right) \times 930 \\ &= \frac{4}{31} \times 930 = \text{Rs } 120 \end{aligned}$$

S45. Ans.(a)

Sol.

$$\text{Radius of the circle} = \sqrt{2464 \times \frac{7}{22}} = 28$$

$$\text{Side of square} = 28 + 12 = 40 \text{ cm}$$

$$\text{Required area} = 40 \times 40 = 1600 \text{ cm}^2$$

S46. Ans.(b)

Sol.

Let sum be Rs P and rate of interest be R% per annum.

ATQ

$$0.8P = \frac{P \times R \times 4}{100}$$

$$R = 20\%$$

Now,

$$\begin{aligned} \text{Required interest} &= 1600 \left[\left(1 + \frac{20}{100} \right)^2 - 1 \right] \\ &= 1600 \left(\frac{36-25}{25} \right) \\ &= \text{Rs } 704 \end{aligned}$$

S47. Ans.(d)

Sol.

Total cost price of bicycle = Rs. (5600 + P)

ATQ

$$(5600 + P) \times \frac{120}{100} = 8400$$

$$5600 + P = 7000$$

$$P = 1400 \text{ Rs.}$$

S48. Ans.(b)

Sol.

Let investment of Shikhar is Rs. 2x

So, investment of Rohit = Rs. 4x

$$\begin{aligned} \text{Required Ratio} &= (4x \times 8 + 2x \times 8 + x \times 8) : 2x \times 24 \\ &= 7 : 6 \end{aligned}$$

S49. Ans.(d)

Sol.

Let speed of Boat in still water and speed of current are 'B' and 'W' km/hr. respectively.

ATQ,

$$B - W = \frac{70}{100} (B + W)$$

$$10B - 10W = 7B + 7W$$

$$3B = 17W$$

$$B = \frac{17 \times 6}{3}$$

$$B = 34 \text{ km/hr}$$

$$\text{Required time} = \frac{440}{34 + 6}$$

$$= 11 \text{ hr.}$$

S50. Ans.(c)

Sol.

Let length of train A = length of train B = ℓ m

ATQ,

$$\Rightarrow \frac{\ell + 98}{24} = \frac{\ell}{12} \times \frac{120}{100}$$

$$\ell = 70 \text{ m}$$

S51. Ans.(d)

Sol.

$$43.5 \times \frac{64}{32} \times \frac{1}{29} - 2 = ?$$

$$? = 1$$

S52. Ans.(b)

Sol.

$$\left(\frac{33}{99} \times 81\right) + 3 - ? = 4$$

$$? = 26$$

S53. Ans.(a)

Sol.

$$20 + 5 + 30.5 - 50 = ?$$

$$? = 5.5$$

S54. Ans.(c)

Sol.

$$995 - 800 + 5 = 2 \times ?$$

$$? = 100$$

S55. Ans.(e)

Sol.

$$100 + 576 = 276 + ?^2$$

$$? = 20$$

S56. Ans.(d)

Sol.

$$? = 9651 - 7506$$

$$? = 2145$$

S57. Ans.(c)

Sol.

$$?^2 = 135 + 15 - 141$$

$$?^2 = 9$$

$$? = 3$$

S58. Ans.(a)

Sol.

$$? = 96 - 14 + 118$$

$$? = 200$$

S59. Ans.(a)

Sol.

$$? \times 9 = 34 + 47$$

$$? = \frac{81}{9}$$

$$? = 9$$



S60. Ans.(e)

Sol.

$$\frac{64}{100} \times 2500 + \frac{75}{100} \times 1600 = ? \times 112$$

$$? \times 112 = 1600 + 1200$$

$$? = \frac{2800}{112}$$

$$? = 25$$

S61. Ans.(b)

Sol.

$$\frac{3}{8} \times ? - 28 = 89$$

$$? = 312$$

S62. Ans.(d)

Sol.

$$189 + 121 + 784 = ? + 412$$

$$1094 - 412 = ?$$

$$? = 682$$

S63. Ans.(d)

Sol.

$$45 + \frac{20}{100} \times ? = \frac{460}{4}$$

$$45 + \frac{?}{5} = 115$$

$$? = 350$$

S64. Ans.(c)

Sol.

$$\frac{25}{100} \times 360 + 50 = ?^2 + 40$$

$$?^2 = 140 - 40$$

$$? = 10$$

S65. Ans.(d)

Sol.

$$324 + ?^2 = \frac{40}{100} \times 1450$$

$$324 + ?^2 = 580$$

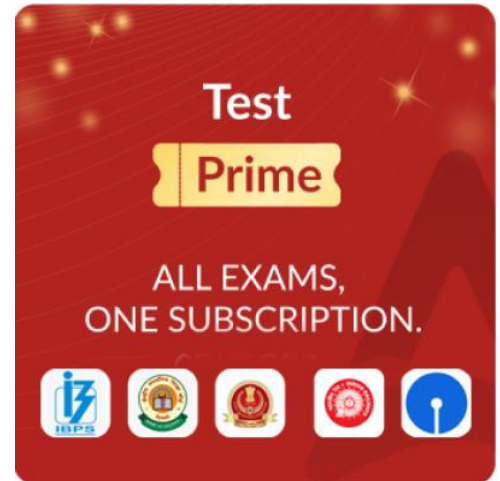
$$?^2 = 256$$

$$? = 16$$

S66. Ans.(e)


Sol. From the given conditions:

D sits 5th to the right of A. Two persons sit between D and C. Three persons sit between C and O. J sits to the immediate left of L. K sits to the left of B. Here we get three possible cases i.e. case 1, case 2 and case 3.

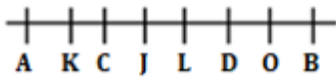


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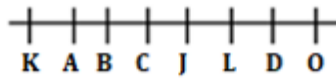
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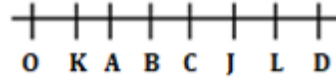

Case 1



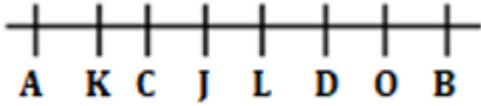
Case 2



Case 3



A sits to the left of K. Here case 2 and case 3 gets eliminated. So, the final solution is-

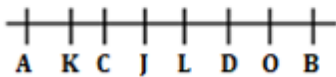


S67. Ans.(d)

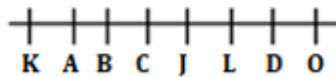
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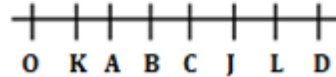
Case 1



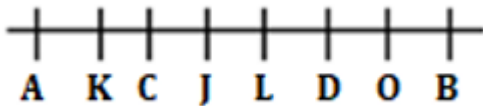
Case 2



Case 3



A sits to the left of K. Here case 2 and case 3 gets eliminated. So, the final solution is-

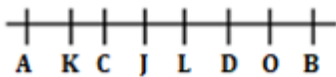


S68. Ans.(c)

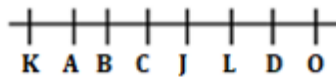
Sol. From the given conditions:

D sits 5th to the right of A. Two persons sit between D and C. Three persons sit between C and O. J sits to the immediate left of L. K sits to the left of B. Here we get three possible cases i.e. case 1, case 2 and case 3.

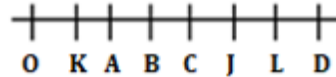
Case 1



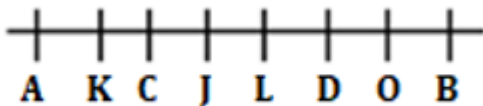
Case 2



Case 3



A sits to the left of K. Here case 2 and case 3 gets eliminated. So, the final solution is-

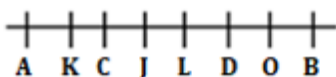


S69. Ans.(c)

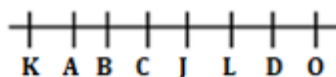
Sol. From the given conditions:

D sits 5th to the right of A. Two persons sit between D and C. Three persons sit between C and O. J sits to the immediate left of L. K sits to the left of B. Here we get three possible cases i.e. case 1, case 2 and case 3.

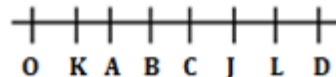
Case 1



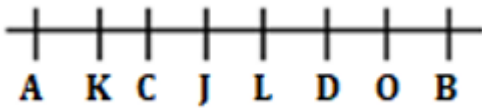
Case 2



Case 3



A sits to the left of K. Here case 2 and case 3 gets eliminated. So, the final solution is-



S70. Ans.(b)

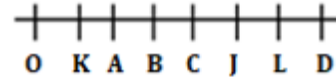
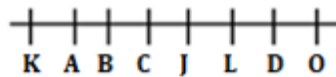
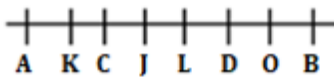
Sol. From the given conditions:

D sits 5th to the right of A. Two persons sit between D and C. Three persons sit between C and O. J sits to the immediate left of L. K sits to the left of B. Here we get three possible cases i.e. case 1, case 2 and case 3.

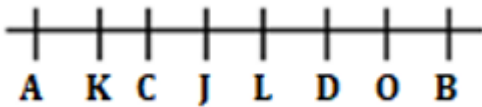
Case 1

Case 2

Case 3



A sits to the left of K. Here case 2 and case 3 gets eliminated. So, the final solution is-



S71. Ans.(c)

S72. Ans.(b)

Sol. The 3rd number from the right end is 9 and the 4th number from the left end is 9, so sum will be 18.

S73. Ans.(a)

Sol. 6 and 2 are followed by symbols.

S74. Ans.(a)

S75. Ans.(a)

Sol. From the statements, E submits the report immediate before P and both do not submit on even numbered date. Here, we have two possible cases- case 1 and case 2. More than five persons submit the report between P and S. L submits the report either immediate before of immediate after S. O submit the report exactly between E and S.

Month	Date	Students	Students
		Case 1	Case 2
August	13	E	S
	17	P	L
	20		
September	13		O
	17	O	
	20		
October	13		E
	17	L	P
	20	S	

U submits the report before F and both of them submit their report in the month having less than 31 days. M does not submit the report on an even numbered date. With this statement, case 2 will cancel here.

The Final arrangement is:

Month	Date	Students
August	13	E
	17	P
	20	N
September	13	U
	17	O
	20	F
October	13	M
	17	L
	20	S

S76. Ans.(c)

Sol. From the statements, E submits the report immediate before P and both do not submit on even numbered date. Here, we have two possible cases- case 1 and case 2. More than five persons submit the report between P and S. L submits the report either immediate before or immediate after S. O submit the report exactly between E and S.

Month	Date	Students	Students
		Case 1	Case 2
August	13	E	S
	17	P	L
	20		
September	13		O
	17	O	
	20		
October	13		E
	17	L	P
	20	S	

U submits the report before F and both of them submit their report in the month having less than 31 days. M does not submit the report on an even numbered date. With this statement, case 2 will cancel here.

The Final arrangement is:

Month	Date	Students
August	13	E
	17	P
	20	N
September	13	U
	17	O
	20	F
October	13	M
	17	L
	20	S

S77. Ans.(c)

Sol. From the statements, E submits the report immediate before P and both do not submit on even numbered date. Here, we have two possible cases- case 1 and case 2. More than five persons submit the report between P and S. L submits the report either immediate before of immediate after S. O submit the report exactly between E and S.

Month	Date	Students	Students
		Case 1	Case 2
August	13	E	S
	17	P	L
	20		
September	13		O
	17	O	
	20		
October	13		E
	17	L	P
	20	S	

U submits the report before F and both of them submit their report in the month having less than 31 days. M does not submit the report on an even numbered date. With this statement, case 2 will cancel here.

The Final arrangement is:

Month	Date	Students
August	13	E
	17	P
	20	N
September	13	U
	17	O
	20	F
October	13	M
	17	L
	20	S

S78. Ans.(e)

Sol. From the statements, E submits the report immediate before P and both do not submit on even numbered date. Here, we have two possible cases- case 1 and case 2. More than five persons submit the report between P and S. L submits the report either immediate before of immediate after S. O submit the report exactly between E and S.

Month	Date	Students	Students
		Case 1	Case 2
August	13	E	S
	17	P	L
	20		
September	13		O
	17	O	
	20		
October	13		E
	17	L	P
	20	S	

U submits the report before F and both of them submit their report in the month having less than 31 days. M does not submit the report on an even numbered date. With this statement, case 2 will cancel here.

The Final arrangement is:

Month	Date	Students
August	13	E
	17	P
	20	N
September	13	U
	17	O
	20	F
October	13	M
	17	L
	20	S

S79. Ans.(c)

Sol. From the statements, E submits the report immediate before P and both do not submit on even numbered date. Here, we have two possible cases- case 1 and case 2. More than five persons submit the report between P and S. L submits the report either immediate before of immediate after S. O submit the report exactly between E and S.

Month	Date	Students	Students
		Case 1	Case 2
August	13	E	S
	17	P	L
	20		
September	13		O
	17	O	
	20		
October	13		E
	17	L	P
	20	S	

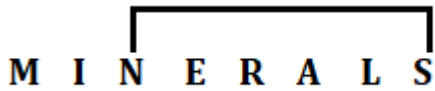
U submits the report before F and both of them submit their report in the month having less than 31 days. M does not submit the report on an even numbered date. With this statement, case 2 will cancel here.

The Final arrangement is:

Month	Date	Students
August	13	E
	17	P
	20	N
September	13	U
	17	O
	20	F
October	13	M
	17	L
	20	S

S80. Ans.(d)

Sol.



S81. Ans.(a)

Sol. I. $G > D$ (true) II. $H > A$ (false)

S82. Ans.(d)

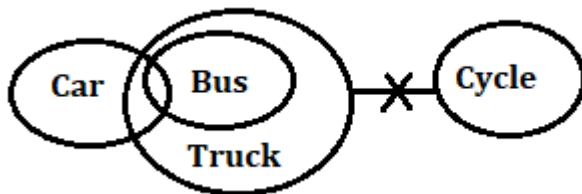
Sol. I. $W > S$ (false) II. $S \geq R$ (false)

S83. Ans.(e)

Sol. I. $A < B$ (false) II. $U > C$ (false)

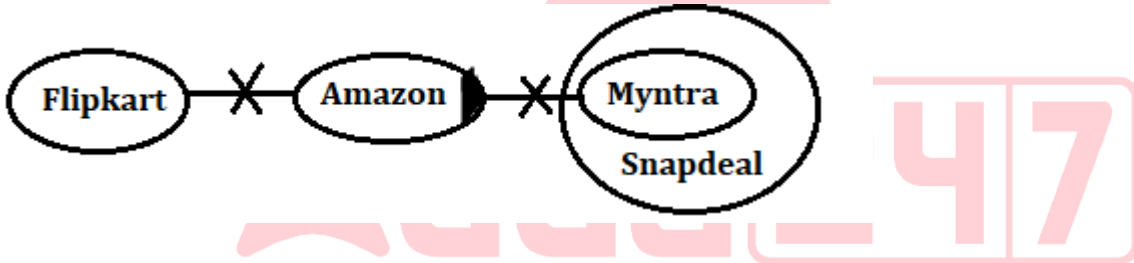
S84. Ans.(a)

Sol.



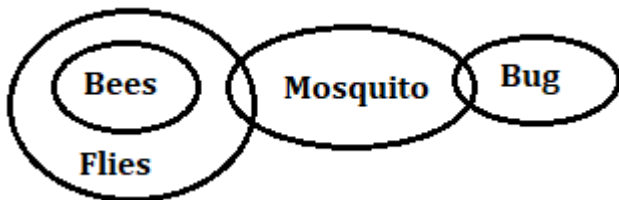
S85. Ans.(b)

Sol.



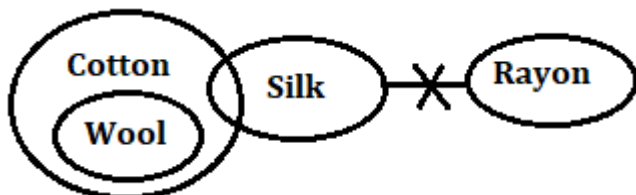
S86. Ans.(a)

Sol.



S87. Ans.(e)

Sol.



S88. Ans.(c)

Sol. Original Number- 41278953

New Number- 89534127

Multiplication of fourth and fifth digits= $3 \times 4 = 12$

S89. Ans.(d)

Sol. By using all the given information:

History was taught on a day just before English which is being taught on Sunday. Two subjects are taught between History and Chemistry. Two subjects are being taught between Biology and Physics. Biology is taught on one of the days before Saturday but after Wednesday. We have two cases for that Case 1 and Case2.

Days	Subjects (Case1)	Subjects (Case2)
Mon	Physics	
Tue		Physics
Wed	Chemistry	Chemistry
Thru	Biology	
Fri		Biology
Sat	History	History
Sun	English	English

Zoology was being taught on one of the days before Physics. Now Case1 will be eliminated as we can't place Zoology. Now we have our final arrangements.

Days	Subjects
Mon	Zoology
Tue	Physics
Wed	Chemistry
Thru	Botany
Fri	Biology
Sat	History
Sun	English

S90. Ans.(e)

Sol. By using all the given information:

History was taught on a day just before English which is being taught on Sunday. Two subjects are taught between History and Chemistry. Two subjects are being taught between Biology and Physics. Biology is taught on one of the days before Saturday but after Wednesday. We have two cases for that Case 1 and Case2.

Days	Subjects (Case1)	Subjects (Case2)
Mon	Physics	
Tue		Physics
Wed	Chemistry	Chemistry
Thru	Biology	
Fri		Biology
Sat	History	History
Sun	English	English

Zoology was being taught on one of the days before Physics. Now Case1 will be eliminated as we can't place Zoology. Now we have our final arrangements.

Days	Subjects
Mon	Zoology
Tue	Physics
Wed	Chemistry
Thru	Botany
Fri	Biology
Sat	History
Sun	English

S91. Ans.(b)

Sol. By using all the given information:

History was taught on a day just before English which is being taught on Sunday. Two subjects are taught between History and Chemistry. Two subjects are being taught between Biology and Physics. Biology is taught on one of the days before Saturday but after Wednesday. We have two cases for that Case 1 and Case2.

Days	Subjects (Case1)	Subjects (Case2)
Mon	Physics	
Tue		Physics
Wed	Chemistry	Chemistry
Thru	Biology	
Fri		Biology
Sat	History	History
Sun	English	English

Zoology was being taught on one of the days before Physics. Now Case1 will be eliminated as we can't place Zoology. Now we have our final arrangements.

Days	Subjects
Mon	Zoology
Tue	Physics
Wed	Chemistry
Thru	Botany
Fri	Biology
Sat	History
Sun	English

S92. Ans.(e)

Sol. By using all the given information:

History was taught on a day just before English which is being taught on Sunday. Two subjects are taught between History and Chemistry. Two subjects are being taught between Biology and Physics. Biology is taught on one of the days before Saturday but after Wednesday. We have two cases for that Case 1 and Case2.

Days	Subjects (Case1)	Subjects (Case2)
Mon	Physics	
Tue		Physics
Wed	Chemistry	Chemistry
Thru	Biology	
Fri		Biology
Sat	History	History
Sun	English	English

Zoology was being taught on one of the days before Physics. Now Case1 will be eliminated as we can't place Zoology. Now we have our final arrangements.

Days	Subjects
Mon	Zoology
Tue	Physics
Wed	Chemistry
Thru	Botany
Fri	Biology
Sat	History
Sun	English

S93. Ans.(d)

Sol. By using all the given information:

History was taught on a day just before English which is being taught on Sunday. Two subjects are taught between History and Chemistry. Two subjects are being taught between Biology and Physics. Biology is taught on one of the days before Saturday but after Wednesday. We have two cases for that Case 1 and Case2.

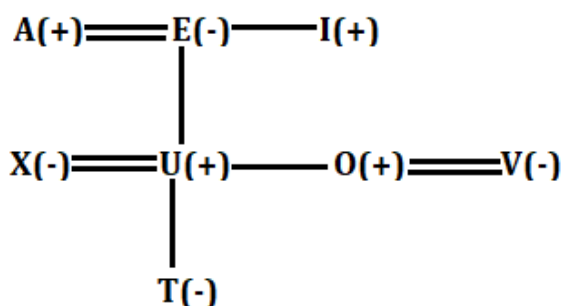
Days	Subjects (Case1)	Subjects (Case2)
Mon	Physics	
Tue		Physics
Wed	Chemistry	Chemistry
Thru	Biology	
Fri		Biology
Sat	History	History
Sun	English	English

Zoology was being taught on one of the days before Physics. Now Case1 will be eliminated as we can't place Zoology. Now we have our final arrangements.

Days	Subjects
Mon	Zoology
Tue	Physics
Wed	Chemistry
Thru	Botany
Fri	Biology
Sat	History
Sun	English

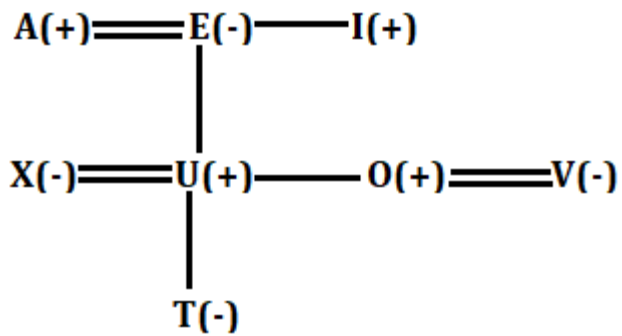
S94. Ans.(c)

Sol.



S95. Ans.(a)

Sol.



S96. Ans.(b)

Sol. 356 129 **458** 567 245

S97. Ans.(c)

Sol. 912 **756** 524 456 365; Sum= 7+5+6= 18

S98. Ans.(b)

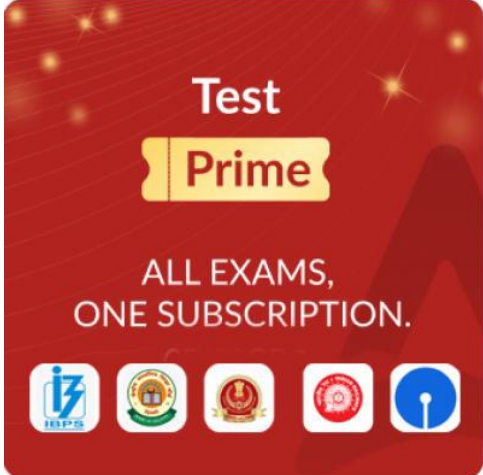
Sol. 356 921 485 765 **542**

S99. Ans.(a)

Sol. 365 912 458 756 524; Resultant= 2*5= 10

S100. Ans.(d)

Sol. 365 912 **458** 756 524; Sum= 4+5+8=17



Test
Prime

ALL EXAMS,
ONE SUBSCRIPTION.

