

# RBI Office Attendant 2020 Memory Based Paper (9<sup>th</sup> April)

## Reasoning Aptitude

**Directions (1-4):** Study the information carefully and answer the questions given below.

Seven persons P, Q, R, S, T, U and V sit around a circular table and facing the centre but not necessarily in the same order. P sits 3<sup>rd</sup> to the left of U. R sits 2<sup>nd</sup> to the left of T and immediate neighbour of U. V sits immediate right of S. Q does not sit near to P.

**Q1.** Who among the following sits immediate left of T?

- (a) Q (b) U  
(c) R (d) P  
(e) None of these

**Q2.** If Q is related to U and R is related to V in the same way S is related to \_\_\_\_?

- (a) V (b) P  
(c) T (d) U  
(e) None of these

**Q3.** What is the position of V with respect to Q?

- (a) 2<sup>nd</sup> to the left (b) 3<sup>rd</sup> to the left  
(c) 2<sup>nd</sup> to the right (d) Immediate right  
(e) 3<sup>rd</sup> to the right

**Q4.** Who among the following sits 2<sup>nd</sup> to the right of U?

- (a) V (b) T  
(c) S (d) Q  
(e) P

**Direction (5-9):** The given questions are based on the following arrangement. Study it carefully and answer the questions below it.

LAN VAN TAN WAN CAN

**Q5.** If all the words are arranged in alphabetical order from left to right, then which of the following word is 2<sup>nd</sup> from the right end?

- (a) LAN (b) TAN  
(c) CAN (d) WAN  
(e) VAN

**Q6.** If 1<sup>st</sup> and 2<sup>nd</sup> letter of each word are interchanged their positions within the word, then how many words will start with vowel in the given series?

- (a) Five (b) Four  
(c) Three (d) Two  
(e) One

**Q7.** If 1<sup>st</sup> and 3<sup>rd</sup> letter are interchanged in each of the words then, how many meaningful words thus formed?

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

**Q8.** If 2<sup>nd</sup> and 3<sup>rd</sup> letter interchanged their position within the word, then how many words will end with vowel in the given series?

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

**Q9.** If all the consonants are changed with their previous letter within the word, then how many words in the given series have only two vowels?

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

**Directions (10-11):** In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions.

Give answer

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

**Q10. Statements:**  $D \geq V > R = P \leq T$

**Conclusion:** I.  $R < D$  II.  $T > R$

**Q11. Statements:**  $L \geq P \geq C = Q \leq A$

**Conclusion:** I.  $Q \leq L$  II.  $C \leq A$

**Directions (12-13):** Study the information carefully and answer the questions given below

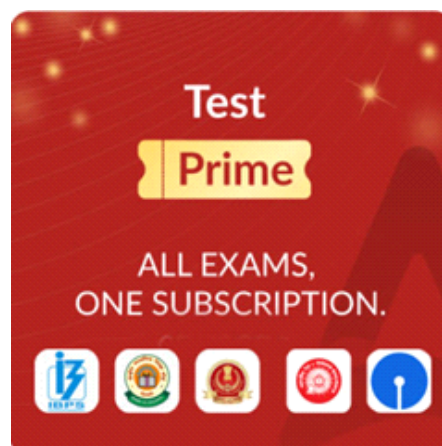
In a certain code language:

"up towards dip" is coded as "mk dw sw"

"pick towards here" is coded as "pl qs dw"

"pick up point here" is coded as "qs pl mk ky"

"dip point up" is coded as "sw ky mk"



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**Q12.** What is the code for “dip” in the given code language?

- (a) dw (b) mk  
(c) sw (d) Either dw or mk  
(e) Either mk or sw

**Q13.** What is the code for “up point” in the given code language?

- (a) ky mk (b) qs ky  
(c) sw pl (d) dw mk  
(e) None of these

**Direction (14-18):** Study the given information carefully and answer the questions below:

Eight persons A, B, C, D, P, Q, R and S joined a camp in four different months viz. January, March, July and September of a same year on two different dates- 7<sup>th</sup> and 18<sup>th</sup> but not necessarily in the same order.

A joined the camp on 18<sup>th</sup> but before July. Three persons joined between A and B. P joined immediate before B. One person joined between B and S. S joined before B. R and C joined in the same month. No one joined after C. Q joined after A.

**Q14.** Who among the following joined on 7<sup>th</sup> January?

- (a) A (b) B  
(c) C (d) D  
(e) None of these

**Q15.** How many persons joined between Q and B?

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

**Q16.** How many persons joined after P?

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

**Q17.** Who among the following joined in September?

- (a) R (b) S  
(c) Q (d) A  
(e) None of these

**Q18.** Four of the following five are alike in a certain way so that form a group, which of the following does not belong to that group?

- (a) D (b) Q  
(c) P (d) R  
(e) C

**Q19.** How many pairs of letters are there in the word “MUSEUM” which has as many letters between them as we have in the English alphabetical series (from both forward and backward direction)?

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

**Directions (20-24):** Study the information carefully and answer the questions given below

Six boxes M, N, S, T, V and W are arranged one above the other but not necessarily in the same order. Bottommost box is numbered as 1 and so on till the topmost box is numbered as 6.

Two boxes are placed between N and V, which is placed below the box N. One box is placed between W and V. Two boxes are placed between M and W. Box T is placed just below box M but above the box S.

**Q20.** How many boxes are placed between N and T?

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

**Q21.** How many boxes are placed below the box W?

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

**Q22.** The number of boxes is placed below T is same as the number of boxes is placed above the box \_\_?

- (a) M (b) W  
(c) S (d) V  
(e) None of these

**Q23.** Which of the following box is placed adjacent to box the box W?

- (a) T (b) N  
(c) V (d) S  
(e) Both (b) and (d)

**Q24.** Which of the following box is placed at the topmost position?

- (a) S (b) W  
(c) N (d) T  
(e) M

**Direction (25-28):** The following questions is based on the information given here. Read the information carefully and answer the questions:

Six persons are standing in a ground having different distances and in different directions with each other. A is 3m south of B. B is 4m west of C. C is 5m north of D. D is 8m east of E. E is 6m north of F.

**Q25.** What is the total distance from F to C?

- (a) 13m (b) 12m  
(c) 19m (d) 17m  
(e) None of these

**Q26.** What is the shortest distance between A and C?

- (a) 5m (b) 10m  
(c) 15m (d) 16m  
(e) None of these

**Q27.** B is in which direction with respect to D?

- (a) North-East (b) South-East  
(c) North-West (d) South-West  
(e) None of these

**Q28.** F is in which direction with respect to C?

- (a) South (b) South-West  
(c) North (d) North-West  
(e) None of these

**Direction (29-30):** The following questions are based on the information given. Read it carefully and answer the questions below:

Six persons P, Q, R, S, T and U of two generations are living in a family. P is the mother of R. R is the sister of S. S is the son of Q. T is the brother of P and father of U. U is the niece of P.

**Q29.** Who among the following is the brother-in-law of Q?

- (a) R (b) S  
(c) T (d) U  
(e) None of these

**Q30.** How many females are there in the family?

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

## English Language

**Directions (31-40)** Read the given passage carefully and answer the following questions. Certain parts have been highlighted to help answer the questions.

An old lion, who was too weak to hunt or fight for his food, decided that he must get it by his **wits**. He looked like a noble beast who was not so well. As he let his neighbors know about his sickness, they started to pay him visits.

Many creatures visited the old lion. One day, the fox came too. But he was very **cautious** about visiting the old lion. Standing at a safe distance from the cave, he inquired politely about the lion's health. The lion replied that he was very ill indeed, and asked the fox to stop for a moment. But the fox very wisely stayed outside. Thanking the lion politely for the invitation he said that he was very **pleased** to be invited but he noticed that there were many footprints leading into the cave, but none of them came out. He then asked the lion how the visitors found their way out.

He came close **enough** to talk to the lion, but he did not go into the cave. "Please come right in, and feel how hot my head is," said Lion again. "Oh no! Lion," said the fox. "I can see many footprints going into your cave, but none come out. You are dangerous, Mr. Lion. Good bye!" And the fox ran off as fast as he could.

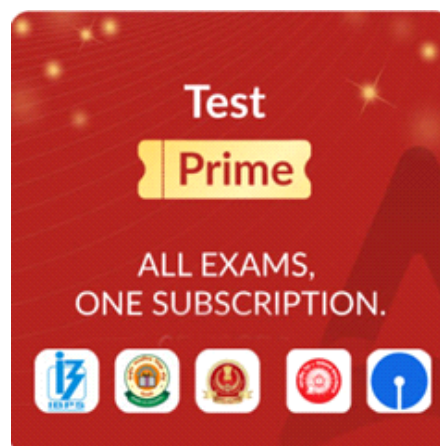
The lion understood that the fox had **detected** his trick. He got angry at the fox. He howled angrily but could not do anything as he knew he could not chase down the fox. Be wise, like the fox.

**Q31.** What was the issue lion was facing during his old age days?

- (a) He was alone because nobody wanted to go nearby him.  
(b) He was unable to arrange a meal for his own starvation.  
(c) His eyesight was getting weaker day by day and he wasn't able to see.  
(d) He was not able to walk due to weakness of old age.  
(e) None of these

**Q32.** Because the lion was old and unable to hunt, what did he plan to extinguish his hunger?

- (a) The lion was clever and he made fox his friend and ate him.  
(b) He pretended to be sick and hunted those who visited him to know his health.  
(c) He asked his best friend for help in the jungle to arrange a flesh for him.  
(d) The lion was unable to arrange food for himself and died of hunger.  
(e) None of these





**Q33.** What was the reason that the footprints of other animals went into the cave but none came out?

- (a) The lion used to wipe off the claws of other animals with its claws.
- (b) The animals that used to visit the lion started living with the lion.
- (c) Footprints of animals vanished due to rain and storm.
- (d) Lion used to make animals his food those who went to him.
- (e) None of these

**Q34.** According to the passage, what was the reason fox was standing far away from the cave?

- (a) He was alert because he was familiar with the lion's strategy.
- (b) Because he didn't like the lion's behavior towards all other animals.
- (c) There was not enough space for fox in the presence of the lion.
- (d) Because he didn't know the way to enter the cave.
- (e) None of these

**Q35.** Which of the following statements can be inferred as a moral from the given passage?

- (a) A new lesson of life for a better tomorrow.
- (b) Every war can be won by courage and intelligence.
- (c) **Take warning from the misfortunes of others.**
- (d) Experience is better than a lesson from other.
- (e) None of these

**Q36.** Which of the following given words is similar in meaning to 'wits' as used in the passage?

- (a) beauty
- (b) energy
- (c) glory
- (d) weapon
- (e) cleverness

**Q37.** Which of the following given words is similar in meaning to 'cautious' as used in the passage?

- (a) attentive
- (b) bold
- (c) exclude
- (d) freedom
- (e) race

**Q38.** Which of the following given words is opposite in meaning to 'pleased' as used in the passage?

- (a) confuse
- (b) strong
- (c) required
- (d) sorrow
- (e) wound

**Q39.** Which of the following given words is similar in meaning to 'detected' as used in the passage?

- (a) search
- (b) relax
- (c) snore
- (d) recognize
- (e) ignore

**Q40.** Which of the following given words is opposite in meaning to 'enough' as used in the passage?

- (a) free
- (b) costly
- (c) abundant
- (d) heap
- (e) insufficient

**Directions (41-45):** 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 number of that part is the answer. If there is no error the answer is (e). (Ignore errors of punctuation, if any.)

**Q41.** If I would have been you, (A)/ I would have (B)/ bought a (C)/ house in 2012. (D)

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

**Q42.** Not only Emily did start playing (A)/ the piano before she could speak, (B)/ but her mother also taught her to compose (C)/ music at a very early age. (D)

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

**Q43.** These products (A)/ are inferior than (B)/ those we (C)/ bought last year. (D)

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

**Q44.** Either of (A)/ the plan (B)/ is equally (C)/ exorbitant and dangerous. (D)

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

**Q45.** Smokers which (A)/ inhale are likely (B)/ to become (C)/ addicted to nicotine. (D)

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

**Directions (46-50):** In the following question, sentences are given with four words in bold. The given words in the bold may or may not correctly spelled. The incorrectly spelt word will be your answer. If the words are correct then select 'All are correct' as your answer.

**Q46.** For some **unaccountable** reason, my sister **decided** to tell my mother about the time we broke her **antiqueu** clock while **wrestling**.

- (a) unaccountable
- (b) decided
- (c) antiqueu
- (d) wrestling
- (e) All are correct

**Q47.** Exclusion of the **immigrants** from **voting** meant that only two-thirds of the **population** would be going to the polls.

- (a) exclusion (b) immigrants  
(c) voting (d) population  
(e) All are correct

**Q48.** Making demand after demand, the **server** at the **restaurant** realized the **impossibility** of making the angry **customer** happy.

- (a) server (b) restaurant  
(c) impossibility (d) customer  
(e) All are correct

**Q49.** Due to the **increase** in the family's **obesity**, Jane worried about the health of her family **including** heart attacks and **diabetes**.

- (a) increase (b) obesity  
(c) including (d) diabetes  
(e) All are correct

**Q50.** The job is being **carried** out **solely** by one **technician**, as no one else was **available** to help him do it.

- (a) carried (b) solely  
(c) technician (d) available  
(e) All are correct

**Directions (51-55):** Each question below has one blank, which is indicating that something has been omitted. Find out which option can be used to fill up the blank in the sentence to make it grammatically as well as contextually correct.

**Q51.** I told my friend that she was \_\_\_\_\_ with her words since she continually hurt my feelings.

- (a) careless (b) intelligent  
(c) avoid (d) deliberate  
(e) None of the above

**Q52.** Immigrants \_\_\_\_\_ through large windows, pointing at the Statue of Liberty and other landmarks they view from the ship.

- (a) imitate (b) modest  
(c) stare (d) revive  
(e) None of the above

**Q53.** As a way to \_\_\_\_\_ the teen for not doing his chores, he was no longer allowed to use his iPad.

- (a) praise (b) criticise  
(c) annoy (d) punish  
(e) None of the above

**Q54.** Screaming and crying, the \_\_\_\_\_ toddler held on to her mother's leg for dear life.

- (a) offensive (b) clingy  
(c) tolerant (d) effective  
(e) None of the above

**Q55.** \_\_\_\_\_ filled the elderly couple's home as they refused to get rid of anything, they had ever bought.

- (a) aesthetic (b) envy  
(c) clutter (d) quirk  
(e) None of the above

**Direction (56-60):** Given sentences are not in their exact position. Rearrange them to make a coherent paragraph and then answer the questions given below.

(A) The activities taught us the same thing that the teacher was trying to teach via the traditional method.

(B) I still remember how difficult it was to learn Algebra; the theorems and algorithms were a nightmare.

(C) Student engagement refers to the degree of attention, passion, interest, and optimism that students show when they are being taught.

(D) The visuals in the video have made students learning & technology simple and intuitive as there was "STUDENT ENGAGEMENT".

(E) Until the day our teacher brought a projector in the class and made education learning a fun activity to grasp difficult concepts.

(F) But the only difference was attention and concentration.

**Q56** Which of the following should be the SECOND sentence after rearrangement?

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

**Q57.** Which of the following should be the FIRST sentence after rearrangement?

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

**Q58.** Which of the following should be the THIRD sentence after rearrangement?

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

**Q59.** Which of the following should be the FOURTH sentence after rearrangement?

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

**Q60.** Which of the following should be the LAST sentence after rearrangement?

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

## General Awareness

**Q61.** Which is the largest state (area-wise) in the North-East Region?

- (a) Tripura (b) Assam  
(c) Arunachal Pradesh (d) Sikkim  
(e) None of these

**Q62.** Which of the following country is not included in the BRICS Organisation:

- (a) China (b) India  
(c) Brazil (d) Singapore  
(e) None of these

**Q63.** Ellore cave is situated in which state?

- (a) Maharashtra## (b) Uttar Pradesh  
(c) Madhya Pradesh (d) Gujarat  
(e) None of these

**Q64.** Union Cabinet has approved the merger of capital-starved Lakshmi Vilas Bank (LVB) with\_\_\_\_\_

- (a) HDFC Bank (b) DBS Bank India##  
(c) SBI (d) Axis Bank  
(e) None of these

**Q65.** Who has been named as the captain of the ICC ODI Team of the Decade by International Cricket Council?

- (a) Virat Kohli (b) Eoin Morgan  
(c) M. S. Dhoni (d) Chris Gayle  
(e) AB de Villiers

**Q66.** In IPL 2021 how many teams are Participated?

- (a) 10 (b) 8  
(c) 5 (d) 6  
(e) 7

**Q67.** Who compose Vande Mataram?

- (a) Rabindra Nath Tagore  
(b) Munshi Prem Chandra  
(c) Bankim Chandra Chatterjee  
(d) Lata Mangeshkar  
(e) None of these

**Q68.** Mount Abu situated in which state?

- (a) Madhya Pradesh (b) Bihar  
(c) Karnataka (d) Kerala  
(e) Rajasthan

**Q69.** Where is Union Bank HQ?

- (a) Mumbai (b) Indore  
(c) Lucknow (d) Kolkata  
(e) Patna

**Q70.** National Vaccination day\_\_\_\_\_

- (a) 18 March (b) 16 March  
(c) 20 March (d) 21 March  
(e) 22 March

**Q71.** Which Country is called Land of Rising Sun:

- (a) Australia (b) Korea  
(c) Japan (d) India  
(e) Sri Lanka

**Q72.** The Largest state of India according to area wise:

- (a) Rajasthan (b) Uttar Pradesh  
(c) Bihar (d) Punjab  
(e) Madhya Pradesh

**Q73.** Who is the winner of All England Open 2021(Mens's)?

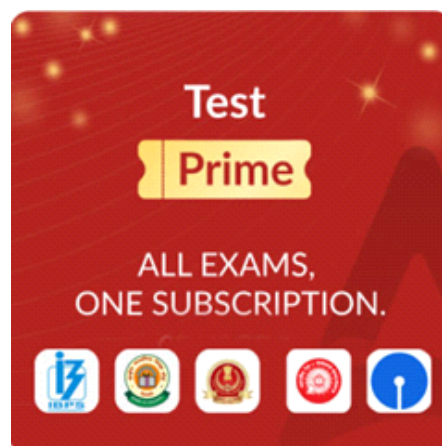
- (a) Nozomi Okuhara  
(b) Pornpawee Chochuwong  
(c) Lee Zii Jia  
(d) Viktor Axelsen  
(e) None of these

**Q74.** Rakhi Garhi is situated in which state:

- (a) UP (b) Bihar  
(c) Punjab (d) Haryana  
(e) None of these

**Q75.** When is Vijay Diwas celebrated in India?

- (a) December 16 (b) December 13  
(c) December 14 (d) December 17  
(e) December 15



**Q76.** In Which State Dilwara Jain Mandir is situated?

- (a) Uttar Pradesh (b) Karnataka  
(c) Gujarat (d) Rajasthan  
(e) None of these

**Q77.** How many states and union territories are in India:

- (a) 28 and 8 (b) 26 and 8  
(c) 28 and 9 (d) 28 and 10  
(e) 27 and 8

**Q78.** India National Tree \_\_\_\_\_

- (a) Banyan tree (b) Mango Tree  
(c) Neem Tree (d) Papaya Tree  
(e) None of these

**Q79.** What is the age of Lok Sabha MP?

- (a) 25 years (b) 22 years  
(c) 20 years (d) 18 years  
(e) None of these

**Q80.** Finance minister of India:

- (a) Amit Shah (b) Narendra Modi  
(c) Rajnath Singh (d) Ravi Kishan  
(e) Nirmala Sitharaman

**Q81.** MPC Full form:

- (a) Monetary Politu Committee  
(b) Monetary Policy Committee  
(c) Monetary Policy Commission  
(d) Money Policy Committee  
(e) None of these

**Q82.** Dutee Chand is related to which sports?

- (a) Sprinter (b) Boxer  
(c) Gymnast (d) Badminton  
(e) None of these

**Q83.** PIN full form \_\_\_\_\_

- (a) Personal Identification Number  
(b) Personal Identify Number  
(c) Permanant Identification Number  
(d) Personal Identification Nation  
(e) None of these

**Q84.** Which is the largest Tea producing State?

- (a) Kerala (b) Assam  
(c) Goa (d) Himachal Pradesh  
(e) Uttarakhand

**Q85.** National Housing Bank HQ is situated in \_\_\_\_\_

- (a) Patna (b) Kolkata  
(c) Mumbai (d) Lucknow  
(e) New Delhi

**Q86.** Which of the following is the Highest Military Decoration:

- (a) Ashok Chakra (b) Param Vir Chakra  
(c) Vir Chakra (d) Kirti Chakra  
(e) None of these

**Q87.** Where is Niagara Falls situated?

- (a) USA (b) Australia  
(c) Canada (d) Africa  
(e) None of these

**Q88.** Poba Reserve Forest would be upgraded to a wildlife sanctuary is located in which state of India?

- (a) Assam (b) Sikkim  
(c) Manipur (d) Meghalaya  
(e) Arunachal Pradesh

**Q89.** Bhogapuram International Airport is located in which state?

- (a) Odisha (b) Andhra Pradesh  
(c) Maharashtra (d) Madhya Pradesh  
(e) Arunachal Pradesh

**Q90.** In which state Haldia port is situated?

- (a) Tamil Nadu (b) Karnataka  
(c) West Bengal (d) Maharashtra  
(e) Odisha

## Quantitative Aptitude

**Direction (91 -95):** Table given below shows number of seminars of three different subjects attempt by three students. Read the data carefully and answer the questions.

Students	Science	Economics	Sociology
P	80	60	50
Q	40	70	90
R	80	100	30

**Q91.** Total seminars of Science & Economics attempt by R is how much more than total seminars of Economics & Sociology attempt by Q?

- (a) 50 (b) 10  
(c) 40 (d) 20  
(e) 30

**Q92.** Find total seminars (all three subjects) attempt by R is what percent more than that of total seminars (all three subjects) attempt by Q?

- (a) 5% (b) 12.5%  
(c) 10% (d) 15%  
(e) 20%



**Q93.** Find ratio of total seminars of Science & Economics attempt by P to total seminars of Economics & Sociology attempt by Q?

- (a) 7 : 9 (b) 8 : 7  
(c) 4 : 7 (d) 5 : 6  
(e) 7 : 8

**Q94.** Find average number of seminar of Economics attempt by Q & R is what percent of total seminar of Science attempt by P?

- (a)  $104\frac{1}{4}\%$  (b)  $106\frac{1}{4}\%$   
(c)  $108\frac{1}{4}\%$  (d)  $102\frac{1}{4}\%$   
(e)  $110\frac{1}{4}\%$

**Q95.** Find total seminars of (all three subjects) attempt by P?

- (a) 210 (b) 210  
(c) 190 (d) 180  
(e) 200

**Directions (96-100):** What will come in the place of question mark (?) in the following number series:

**Q96.** ?, 5, 20, 120, 960, 9600

- (a) 2 (b) 2.5  
(c) 5 (d) 3  
(e) 1

**Q97.** 20, ?, 32, 44, 60, 80

- (a) 26 (b) 28  
(c) 25 (d) 24  
(e) 22

**Q98.** ?, 6, 4, 6, 22, 174

- (a) 16 (b) 10  
(c) 12 (d) 15  
(e) 9

**Q99.** 6400, ?, 50, 12.5, 6.25, 6.25

- (a) 365 (b) 400  
(c) 375 (d) 380  
(e) 360

**Q100.** 26, 39, 50, 63, ?, 87

- (a) 75 (b) 78  
(c) 72 (d) 74  
(e) 76

**Direction (101 - 110):** What will come in the place of question (?) mark?

**Q101.**  $\frac{18}{3} \times \frac{1}{\sqrt{4}} = \sqrt{?}$

- (a) 2 (b) 3  
(c) 4 (d) 6  
(e) 9

**Q102.**  $\sqrt{441-41} \times \sqrt[3]{216} = ?$

- (a) 20 (b) 60  
(c) 180 (d) 120  
(e) 80

**Q103.** 16% of 100 + 32% of 200 + 4% of 400 = ?

- (a) 126 (b) 108  
(c) 32 (d) 96  
(e) 64

**Q104.** 25% of ? + 50% of 400 = 250

- (a) 200 (b) 400  
(c) 300 (d) 160  
(e) 180

**Q105.**  $3\frac{1}{3} + 5\frac{1}{2} + ? = 11$

- (a)  $1\frac{1}{6}$  (b)  $3\frac{1}{6}$   
(c)  $4\frac{1}{6}$  (d)  $2\frac{1}{6}$   
(e)  $5\frac{1}{6}$

**Q106.**  $3\frac{2}{14} + 4\frac{1}{42} - \frac{9}{14} = ?$

- (a)  $6\frac{11}{21}$  (b)  $7\frac{25}{42}$   
(c)  $5\frac{25}{42}$  (d) 6  
(e)  $8\frac{5}{7}$

**Q107.**  $4 \times 26 + 80 + 5 \times ? = 324$

- (a) 36 (b) 32  
(c) 28 (d) 24  
(e) 26

**Q108.**  $57.5 \times 8 + ? = 20 \times 60$

- (a) 740 (b) 640  
(c) 560 (d) 480  
(e) 420

**Q109.**  $25 \times 3.6 + 12.5 \times 4 - ?^2 = 40$

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

**Q110.**  $12 + 4.8 \times 25 \div 5 = ?^2$

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

**Q111.** A pipe can fill a tank in 12 hours and with an outlet pipe it takes 3 hours more to fill the same tank. Find in how many hours outlet pipe can empty the tank.

- (a) 30 hr (b) 40 hr  
(c) 60 hr (d) 45 hr  
(e) None of these.

**Q112.** A man purchased a cycle for Rs. 1200 and sold he sold it at a loss of 20%. If with the selling price man purchased another cycle and sold it at 30% profit. What was his overall gain/loss?

- (a) 72 loss (b) 48 loss  
(c) 48 profit (d) 72 profit  
(e) No profit no loss

**Q113.** Difference between the simple interest received in 1.5 years at 24% per annum and that received in 3.5 years at 12 % per annum on the same sum is Rs 144 then find the sum?

- (a) Rs 24,00 (b) Rs 32,00  
(c) Rs 30,00 (d) Rs 20,00  
(e) Rs 25,00

**Q114.** Find the total distance covered by boat in still water in 8 hours if the speed of boat in upstream and in downstream is 10 km/h and 15 km/h respectively?

- (a) 80 km (b) 96 km  
(c) 120 km (d) 100 km  
(e) 104 km

**Q115.** Sum of A's and B's age 6 years ago is 88. A's age 18 yrs ago is equal to B's age 6 years ago. Find the age of A two year hence?

- (a) 58 yrs (b) 64 yrs  
(c) 42 yrs (d) 52 yrs  
(e) 48 yrs

**Q116.** Average weight of 'n' students of a class is 35 kg. A student whose weight is 25 is absent from the class then average weight of remaining class increased by 1 kg. Find value of 'n'.

- (a) 10 (b) 9  
(c) 8 (d) 12  
(e) 11

**Q117.** A and B started a business by making investment in the ratio of 3 : 5 respectively. After four months, B withdraws one fifth of his initial investment. If total annual profit was Rs. 880, then find profit share of A.

- (a) Rs. 480 (b) Rs. 360  
(c) Rs. 420 (d) Rs. 520  
(e) Rs. 320

**Q118.** What will be the single discount equivalent to two successive discounts of 25% and 24%?

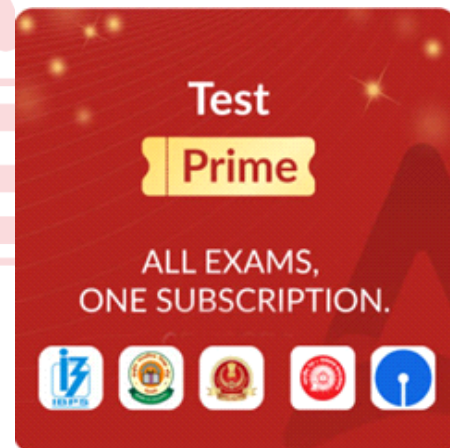
- (a) 46% (b) 43%  
(c) 40% (d) 33%  
(e) 49%

**Q119.** Average of 8 numbers is 39. Average of first 3 numbers is 33 whereas the average of last four number is 45.5 then find the fourth number?

- (a) 32 (b) 31  
(c) 33 (d) 29  
(e) 34

**Q120.** If 33% of A is equal to 55% of B then find the ratio of A and B?

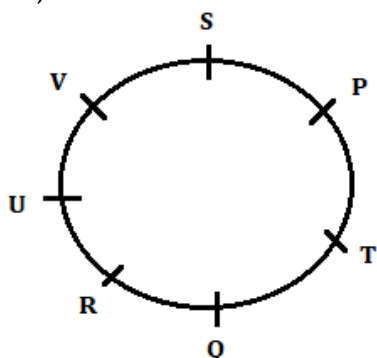
- (a) 3 : 5 (b) 5 : 3  
(c) 3 : 4 (d) 5 : 4  
(e) None of these



# RBI Office Attendant 2020 Memory Based Paper (9<sup>th</sup> April) - Solutions

## Reasoning Aptitude

Solutions (1-4):



S1. Ans.(a)

S2. Ans.(c)

S3. Ans.(b)

S4. Ans.(d)

S5. Ans.(e)

S6. Ans.(a)

S7. Ans.(a)

S8. Ans.(c)

S9. Ans.(b)

S10. Ans.(a)

Sol. I.  $R < D$  (True)

II.  $T > R$  (False)

S11. Ans.(e)

Sol. I.  $Q \leq L$  (True)

II.  $C \leq A$  (True)

Solutions (12-13):

Word	Code
Up	Mk
Towards	Dw
Dip	Sw
Pick/here	Qs/pl
Point	ky

S12. Ans.(c)

S13. Ans.(a)

Solutions (14-18):

Months	Date	Persons
January	7	D
	18	A
March	7	Q
	18	S
July	7	P
	18	B
September	7	R
	18	C

S14. Ans.(d)

S15. Ans.(c)

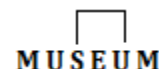
S16. Ans.(a)

S17. Ans.(a)

S18. Ans.(e)

S19. Ans.(b)

Sol.



Solutions (20-24):

Box
M
T
N
W
S
V

S20. Ans.(e)

S21. Ans.(b)

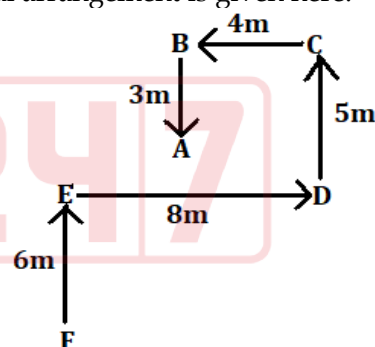
S22. Ans.(c)

S23. Ans.(e)

S24. Ans.(e)

Solutions (25-28):

Sol. The final arrangement is given here:



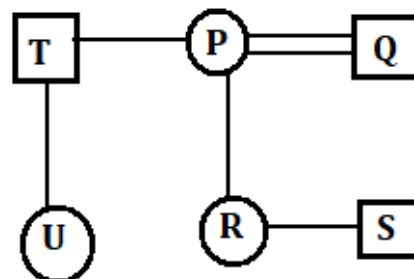
S25. Ans.(c)

S26. Ans.(a)

S27. Ans.(c)

S28. Ans.(b)

Solutions (29-30):



S29. Ans.(c)

S30. Ans.(c)

## English Language

### S31. Ans.(b)

**Sol.** Option (b) is the correct option as per the information given in the first line of the first paragraph which mentions, "An old lion, who was too weak to hunt or fight for his food, decided that he must get it by his wits."

### S32. Ans.(b)

**Sol.** Refer to the third paragraph which mentions, "Oh no! Lion," said the fox. "I can see many footprints going into your cave, but none come out. You are dangerous, Mr. Lion. Good bye!" And the fox ran off as fast as he could."

### S33. Ans.(d)

**Sol.** Throughout the passage, we can infer that 'lion used to make animals his food those who went to him'. Therefore, there were footprints that went into the cave but didn't came out.

### S34. Ans.(a)

**Sol.** Refer to the second paragraph which mentions, "One day, the fox came too. But he was very cautious about visiting the old lion. Standing at a safe distance from the cave, he inquired politely about the lion's health."

### S35. Ans.(c)

**Sol.** The correct answer is option (c). In the story, all animals were misfortunate and eaten by the lion while the fox was clever and used other's misfortune as his warning. Hence, the correct answer is option (c).

### S36. Ans.(e)

**Sol.** The word 'wits' means 'the ability to use words in a clever and amusing way' and 'cleverness' is synonym. Glory means fame or honour.

Beauty means a combination of qualities, such as shape, colour, or form, that pleases the aesthetic senses, especially the sight.

Energy means the strength and vitality required for sustained physical or mental activity.

Weapon means a thing designed or used for inflicting bodily harm or physical damage.

### S37. Ans.(a)

**Sol.** The word 'cautious' means 'taking great care to avoid possible danger or problems' and 'attentive' is synonym which means 'watching, listening to or thinking about somebody/something carefully'.

Bold means not hesitating or fearful in the face of actual or possible danger.

Exclude means deny (someone) access to a place, group, or privilege.

Freedom means the power or right to act, speak, or think as one wants.

Race means a competition between runners, horses, vehicles, etc. to see which is the fastest in covering a set course.

### S38. Ans.(d)

**Sol.** The word 'pleased' means 'happy or satisfied about something' and 'sorrow' is antonym which means 'a feeling of great sadness'.

Wound means an injury to part of your body.

Confuse means to make (someone) bewildered or perplexed.

Strong means able to withstand force, pressure, or wear.

Required means officially compulsory, or otherwise considered essential; indispensable.

### S39. Ans.(d)

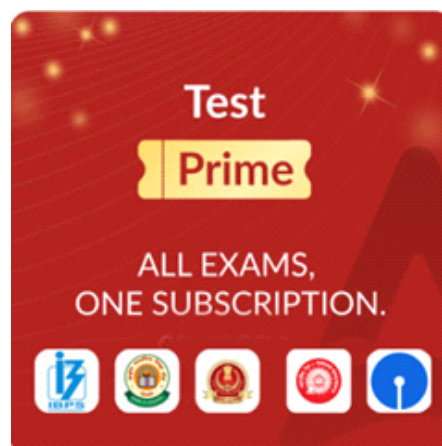
**Sol.** The word 'detected' means 'to notice or discover something that is difficult to see' and 'recognize' is synonym which means 'to know again somebody/something'.

Snore means to breathe noisily through your nose and mouth while you are asleep.

Search means try to find something by looking or otherwise seeking carefully and thoroughly.

Relax means make or become less tense or anxious.

Ignore means refuse to take notice of or acknowledge; disregard intentionally.





**S40. Ans.(e)**

**Sol.** The word 'enough' means 'as much or as many of something as necessary' and 'insufficient' is antonym which means 'not as much as necessary'.

Abundant means existing in very large quantities; more than enough.

Heap means an untidy pile of something.

Free means able to act or be done as one wishes; not under the control of another.

Costly means costing a lot; expensive.

**S41. Ans.(a)**

**Sol.** Part (A) of the given sentence contains an error. "would have been" should be replaced by "had been" as it is type 3 conditional sentence. The type 3 conditional refers to an impossible condition in the past and its probable result in the past. These sentences are truly hypothetical and unreal, because it is now too late for the condition or its result to exist. There is always some implication of regret with type 3 conditional sentences. The reality is the opposite of, or contrary to, what the sentence expresses. In type 3 conditional sentences, the time is the past and the situation is hypothetical. The correct sentence structure should be:

**If + subject + had +V3 [or Had + subject + V3], + subject + would + have + V3**

**S42. Ans.(a)**

**Sol.** There is an error in Part (A) of the sentence. To add emphasis, we can use not only at the beginning of a clause. When we do this, we invert the subject and the verb. Hence, the correct phrase should be "Not only did Emily start playing".

**S43. Ans.(b)**

**Sol.** Part (B) of the sentence is grammatically incorrect. It should be noted that the adjectives inferior, superior, senior, junior, prior etc. take the preposition 'to', not 'than'.

**S44. Ans.(b)**

**Sol.** The error is in Part (B) of the sentence. "plan" should be replaced by "plans". It should be noted that nouns after the phrases such as 'one of', 'either of', 'neither of', 'every one of' etc should be plural.

**S45. Ans.(a)**

**Sol.** The error lies in part (A) of the sentence. "which" should be replaced by "who" as 'who' is mainly used for people while 'which' is used for animals or things in general.

**S46. Ans.(c)**

**Sol.** The incorrectly spelled word is 'antiqueu'. The correct spelling is 'antique'.

**S47. Ans.(b)**

**Sol.** The incorrectly spelled word is 'immigrents'. The correct spelling is 'immigrants'.

**S48. Ans.(e)**

**Sol.** All the given highlighted words given in the sentence are correct hence option (e) is correct.

**S49. Ans.(b)**

**Sol.** The incorrectly spelled word is 'obisity'. The correct spelling is 'obesity'.

**S50. Ans.(c)**

**Sol.** The incorrectly spelled word is 'technichian'. The correct spelling is 'technician'.

**S51. Ans.(a)**

**Sol.** The correct choice for the answer is option (a): careless.

The appropriate fit for the blank is 'careless' since it means being reckless; negligent.

Intelligent means having or showing the ability to easily learn or understand things or to deal with new or difficult situations.

Avoid means keep away from or stop oneself from doing (something).

Deliberate means to carefully think or talk something through.

**S52. Ans.(c)**

**Sol.** The correct choice for the answer is option (c): stare.

The appropriate fit for the blank is 'stare' since it means to gaze at something intently.

Imitate means to copy (a person's speech or mannerisms), especially for comic effect.

Modest means having or showing a moderate or humble estimate of one's merits, importance, etc.

Revive means to restore to life or consciousness.

**S53. Ans.(d)**

**Sol.** The correct choice for the answer is option (d): punish.

The appropriate fit for the blank is 'punish' as it means to put a penalty or consequence in place.

Praise means to express warm approval or admiration of.

Criticise means indicate the faults of (someone or something) in a disapproving way.

Annoy means make (someone) a little angry; irritate.

**S54. Ans.(b)**

**Sol.** The correct choice for the answer is option (b): clingy

The appropriate fit for the blank is 'clingy' as it means to hold fast or adhere to something, as by grasping, sticking, embracing, or entwining.

Offensive means causing someone to feel resentful, upset, or annoyed.

Tolerant means showing willingness to allow the existence of opinions or behaviour that one does not necessarily agree with.

Effective means successful in producing a desired or intended result.

**S55. Ans.(c)**

**Sol.** The correct choice for the answer is option (c): clutter.

The appropriate fit for the blank is 'clutter' as it means a messy collection of things lying around.

Aesthetic means relating to beauty or refined taste.

Envy means to admire and be jealous of.

Quirk means a strange habit.

**S56. Ans.(e)**

**Sol.** Sentence (E) should be the second statement of the rearranged paragraph. We can deduce this by arranging the sentences in the sequence of BEAFDC to form a coherent paragraph.

Statement (B) should be the first statement as it has introduced the subject matter of the paragraph which is about a remembrance of the author's childhood tutoring. He has described the struggle of learning algebra through conventional methods.

Sentence (E) should be the second statement in the sequence, as it has continued his memory of learning algebra. He has illustrated that his struggles were reduced soon after his teacher had introduced several innovative approaches of learning.

Sentence (A) should be the third statement. This sentence has described about the improved results of the activities introduced by his teacher. Statement (A) should follow statement (E) as it mentions about the aforesaid activities.

Sentence (F) should be the fourth statement as it provides a comparison between the traditional approaches and the modern approaches of teaching. The keyword "but" in the given sentence is used as a preposition which imparts the meaning as "except; apart from; other than".

Sentence (D) should be the fifth statement as it introduces the term "student engagement" which was the gist of the instance described in the previous sentences.

Sentence (C) stands as a concluding statement as which provides the definition of the term "student engagement" mentioned in statement (D).

**S57. Ans.(a)**

**Sol.** Sentence (B) should be the first statement of the rearranged paragraph. We can deduce this by arranging the sentences in the sequence of BEAFDC to form a coherent paragraph.

Statement (B) should be the first statement as it has introduced the subject matter of the paragraph which is about a remembrance of the author's childhood tutoring. He has described the struggle of learning algebra through conventional methods.

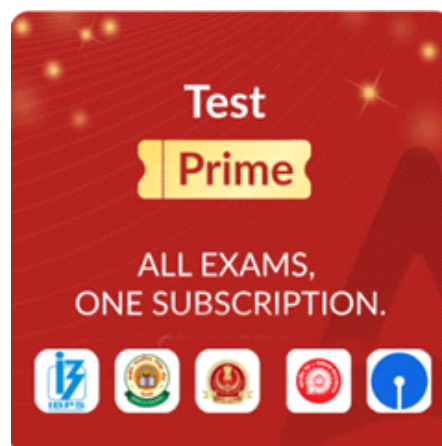
Sentence (E) should be the second statement in the sequence, as it has continued his memory of learning algebra. He has illustrated that his struggles were reduced soon after his teacher had introduced several innovative approaches of learning.

Sentence (A) should be the third statement. This sentence has described about the improved results of the activities introduced by his teacher. Statement (A) should follow statement (E) as it mentions about the aforesaid activities.

Sentence (F) should be the fourth statement as it provides a comparison between the traditional approaches and the modern approaches of teaching. The keyword "but" in the given sentence is used as a preposition which imparts the meaning as "except; apart from; other than".

Sentence (D) should be the fifth statement as it introduces the term "student engagement" which was the gist of the instance described in the previous sentences.

Sentence (C) stands as a concluding statement as which provides the definition of the term "student engagement" mentioned in statement (D).



**S58. Ans.(a)**

**Sol.** Sentence (A) should be the third statement of the rearranged paragraph. We can deduce this by arranging the sentences in the sequence of BEAFDC to form a coherent paragraph.

Statement (B) should be the first statement as it has introduced the subject matter of the paragraph which is about a remembrance of the author's childhood tutoring. He has described the struggle of learning algebra through conventional methods.

Sentence (E) should be the second statement in the sequence, as it has continued his memory of learning algebra. He has illustrated that his struggles were reduced soon after his teacher had introduced several innovative approaches of learning.

Sentence (A) should be the third statement. This sentence has described about the improved results of the activities introduced by his teacher. Statement (A) should follow statement (E) as it mentions about the aforesaid activities.

Sentence (F) should be the fourth statement as it provides a comparison between the traditional approaches and the modern approaches of teaching. The keyword "but" in the given sentence is used as a preposition which imparts the meaning as "except; apart from; other than".

Sentence (D) should be the fifth statement as it introduces the term "student engagement" which was the gist of the instance described in the previous sentences.

Sentence (C) stands as a concluding statement as which provides the definition of the term "student engagement" mentioned in statement (D).

**S59. Ans.(c)**

**Sol.** Sentence (F) should be the fourth statement of the rearranged paragraph. We can deduce this by arranging the sentences in the sequence of BEAFDC to form a coherent paragraph.

Statement (B) should be the first statement as it has introduced the subject matter of the paragraph which is about a remembrance of the author's childhood tutoring. He has described the struggle of learning algebra through conventional methods.

Sentence (E) should be the second statement in the sequence, as it has continued his memory of learning algebra. He has illustrated that his struggles were reduced soon after his teacher had introduced several innovative approaches of learning.

Sentence (A) should be the third statement. This sentence has described about the improved results of the activities introduced by his teacher. Statement (A) should follow statement (E) as it mentions about the aforesaid activities.

Sentence (F) should be the fourth statement as it provides a comparison between the traditional approaches and the modern approaches of teaching. The keyword "but" in the given sentence is used as a preposition which imparts the meaning as "except; apart from; other than".

Sentence (D) should be the fifth statement as it introduces the term "student engagement" which was the gist of the instance described in the previous sentences.

Sentence (C) stands as a concluding statement as which provides the definition of the term "student engagement" mentioned in statement (D).

**S60. Ans.(e)**

**Sol.** Sentence (C) should be the last statement of the rearranged paragraph. We can deduce this by arranging the sentences in the sequence of BEAFDC to form a coherent paragraph.

Statement (B) should be the first statement as it has introduced the subject matter of the paragraph which is about a remembrance of the author's childhood tutoring. He has described the struggle of learning algebra through conventional methods.

Sentence (E) should be the second statement in the sequence, as it has continued his memory of learning algebra. He has illustrated that his struggles were reduced soon after his teacher had introduced several innovative approaches of learning.

Sentence (A) should be the third statement. This sentence has described about the improved results of the activities introduced by his teacher. Statement (A) should follow statement (E) as it mentions about the aforesaid activities.

Sentence (F) should be the fourth statement as it provides a comparison between the traditional approaches and the modern approaches of teaching. The keyword "but" in the given sentence is used as a preposition which imparts the meaning as "except; apart from; other than".

Sentence (D) should be the fifth statement as it introduces the term "student engagement" which was the gist of the instance described in the previous sentences.

Sentence (C) stands as a concluding statement as which provides the definition of the term "student engagement" mentioned in statement (D).

## General Awareness

**S61. Ans.(c)**

**Sol.** Arunachal Pradesh the 24th state of the Indian Union, is bounded by Bhutan to the west, Myanmar to the east, China to the north and north-east and the plains of Assam to the south. Arunachal is the largest state (area-wise) in the North-East Region. 83,743 sq. km(bounded by Bhutan to the west, Myanmar to the east, China), Districts are 13.

**S62. Ans.(d)**

**Sol.** BRICS is acronym for association of five member countries:- Brazil, Russia, India, China and South Africa.

**S63. Ans.(a)**

**Sol.** These 34 monasteries and temples, extending over more than 2 km, were dug side by side in the wall of a high basalt cliff, not far from Aurangabad, in Maharashtra. Ellora, with its uninterrupted sequence of monuments dating from A.D. 600 to 1000, brings the civilization of ancient India to life.

**S64. Ans.(b)**

**Sol.** Union Cabinet on Wednesday approved the merger of capital-starved Lakshmi Vilas Bank (LVB) with DBS Bank India. The Reserve Bank of India on 17 November proposed the merger of the 94-year-old lender with the Indian arm of Singapore's DBS Bank.

**S65. Ans.(c)**

**Sol.** Former Indian captain and wicket-keeper batsman Mahendra Singh Dhoni has been named as the captain of the ICC ODI Team of the Decade by International Cricket Council (ICC).

**S66. Ans.(b)**

**Sol.** The IPL 2021 final will be played at the Narendra Modi Cricket Stadium Ahmedabad on May 30th. The eight teams will play across six venues - Mumbai, Chennai, Bengaluru, Ahmedabad, New Delhi, and Kolkata -- with each side playing in four venues out of the decided ones.

**S67. Ans.(c)**

**Sol.** The song Vande Mataram, composed in Sanskrit by Bankimchandra Chatterji, was a source of inspiration to the people in their struggle for freedom.

**S68. Ans.(e)**

**Sol.** Mount Abu is a popular hill station in the Aravalli range and lies in the Indian state of Rajasthan. The place is well-known for its Dilwara Jain Temples.

**S69. Ans.(a)**

**Sol.** The registered as well as corporate headquarters of Union Bank of India is in the prestigious Nariman Point area of Mumbai, the commercial capital of India.

**S70. Ans.(b)**

**Sol.** March 16 is observed as National Vaccination Day, 3.29 crore Vaccine Doses administered across the country.

**S71. Ans.(c)**

**Sol.** According to the words of the Japanese envoy himself, that name was chosen because the country was so close to where the sun rises. In any event, the name stuck, and for the last 1400 years or so, the world has referred to Japan as Nippon, the land of the rising sun.

**S72. Ans.(a)**

**Sol.** Rajasthan is the largest state in India. The area occupied by Rajasthan in our country is 342,239 Km<sup>2</sup>.

**S73. Ans.(c)**

**S74. Ans.(d)**

**Sol.** Rakhigarhi, Rakhi Garhi (Rakhi Shahpur + Rakhi Khas), is a village in Hisar District in the state of Haryana in India,

**S75. Ans.(a)**

**Sol.** Vijay Diwas is celebrated on December 16 every year to honour the victory of Indian armed forces over Pakistan in the 1971 war.

**S76. Ans.(d)**

**Sol.** The Dilwara Temples or Delvada Temples are a group of svetambara Jain temples located about 2 1/2 kilometres from the Mount Abu settlement, Rajasthan's only hill station.

**S77. Ans.(a)**

**Sol.** There are 28 states and 8 Union territories in the country. Union Territories are administered by the President through an Administrator appointed by him/her.

**S78. Ans.(a)**

**Sol.** Indian fig tree, also termed as Banyan tree is the National tree of India. Ficus Bengalensis is the scientific name of national tree of India.

**S79. Ans.(a)**

**Sol.** A person must satisfy all following conditions to be qualified to become a member of parliament of the Lok Sabha; Must be a citizen of India. Must not be less than 25 years of age.



**S80. Ans.(e)**

**Sol.** Several other Prime Ministers have since held the additional charge of finance ministry. The current Finance Minister of India is Nirmala Sitharaman.

**S81. Ans.(b)**

**Sol.** The Monetary Policy Committee (MPC) is a committee of the Central Bank in India (Reserve Bank of India), headed by its Governor, which is entrusted with the task of fixing the benchmark policy interest rate (repo rate) to contain inflation within the specified target level.

**S82. Ans.(a)**

**Sol.** Dutee Chand is an Indian professional sprinter and current national champion in the women's 100 metres event. She is the third Indian woman to ever qualify for the Women's 100 metres event at the Summer Olympic Games.

**S83. Ans.(a)**

**Sol.** PIN is the abbreviation of Personal Identification Number. PIN is a secure numerical code created by the user and used for authentication when the user tries to access a system.

**S84. Ans.(b)**

**Sol.** Largest tea producing state in India is Assam. Other Tea-producing states in India are West Bengal, Tamil Nadu, Kerala, Tripura, Arunachal Pradesh, Himachal Pradesh, Karnataka, Sikkim, Nagaland, Uttarakhand, Manipur, Mizoram, Meghalaya, Bihar and Odisha.

**S85. Ans.(e)**

**Sol.** The head office of NHB is located in New Delhi. It has a regional office at Mumbai and a Representative office at Hyderabad, Bangaluru, Chennai, Kolkata, Lucknow & Ahmedabad. NHB aims to facilitate the promotion of Housing Finance Institutions and provides financial and other support to such institutions.

**S86. Ans.(b)**

**Sol.** The Param Vir Chakra (PVC) is India's highest military decoration, awarded for displaying distinguished acts of valour during wartime. Param Vir Chakra translates as the "Greatest of the Ultimate Brave", and the award is granted for "most conspicuous bravery in the presence of the enemy".

**S87. Ans.(c)**

**Sol.** The waterfalls of Niagara Falls are located on the Niagara River which connects two of the five Great Lakes. Lake Erie and Lake Ontario. Collectively the waterfalls are named Niagara Falls. They consist of three different waterfalls.

**S88. Ans.(a)**

**Sol.** Assam, Poba Reserve Forest in Dhemaji district would be upgraded to a wildlife sanctuary.

**S89. Ans.(b)**

**Sol.** Bhogapuram Airport is a new international airport construction project for the Indian state of Andhra Pradesh.

**S90. Ans.(c)**

**Sol.** Haldia is an industrial port city in Purba Medinipur in the Indian state of West Bengal.

## Quantitative Aptitude

**S91. Ans.(d)**

**Sol.** Required difference =  $(80 + 100) - (70 + 90) = 20$

**S92. Ans.(a)**

**Sol.** Total seminars (all three subjects) attempt by R =  $(80 + 100 + 30) = 210$

Total seminars (all three subjects) attempt by Q =  $(40 + 70 + 90) = 200$

Required percentage =  $\frac{210-200}{200} \times 100 = 5\%$

**S93. Ans.(e)**

**Sol.** Total seminars of Science & Economics attempt by P =  $80 + 60 = 140$

Total seminars of Economics & Sociology attempt by Q =  $70 + 90 = 160$

Required ratio =  $140 : 160 = 7 : 8$

**S94. Ans.(b)**

**Sol.** Average number of seminar of Economics attempt by Q & R =  $\frac{70+100}{2} = 85$

Required percentage

$$= \frac{85}{80} \times 100$$

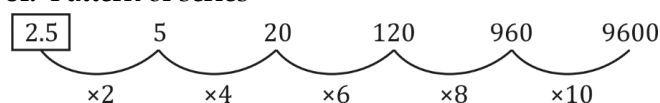
$$= 106\frac{1}{4}\%$$

**S95. Ans.(c)**

**Sol.** Required sum =  $80 + 60 + 50 = 190$

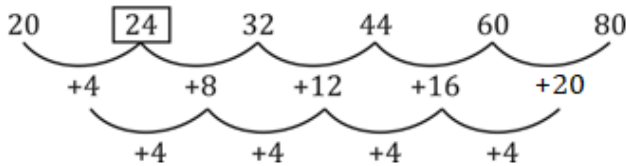
**S96. Ans.(b)**

**Sol.** Pattern of series -



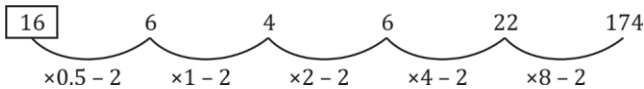
S97. Ans.(d)

Sol. Pattern of series -



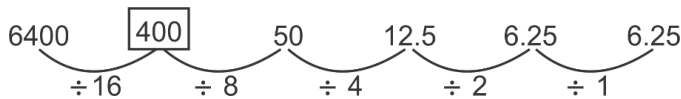
S98. Ans.(a)

Sol. Pattern of series -



S99. Ans.(b)

Sol. Pattern of series -



S100. Ans.(d)

Sol. Pattern of series -

$$\begin{aligned} 26 + 13 &= 39 \\ 39 + 11 &= 50 \\ 50 + 13 &= 63 \\ ? &= 63 + 11 = 74 \\ 74 + 13 &= 87 \end{aligned}$$

S101. Ans.(e)

$$\text{Sol. } \frac{18}{3} \times \frac{1}{\sqrt{4}} = \sqrt{?}$$

$$\text{or, } 3 = \sqrt{?}$$

$$\text{or, } ? = 9$$

S102. Ans.(d)

$$\text{Sol. } ? = \sqrt{400} \times 6$$

$$? = 20 \times 6$$

$$? = 120$$

S103. Ans.(d)

$$\text{Sol. } 1 \frac{16}{100} \times 100 + \frac{32}{100} \times 200 + \frac{4}{100} \times 400 = ?$$

$$? = 16 + 64 + 16$$

$$? = 96$$

S104. Ans.(a)

$$\text{Sol. } \frac{25}{100} \times ? + \frac{50}{100} \times 400 = 250$$

$$\frac{25}{100} \times ? = 250 - 200$$

$$? = 50 \times \frac{100}{25}$$

$$? = 200$$

S105. Ans.(d)

$$\text{Sol. } \frac{10}{3} + \frac{11}{2} + ? = 11$$

$$? = 11 - \frac{20+33}{6}$$

$$? = 11 - \frac{53}{6}$$

$$? = \frac{66-53}{6}$$

$$? = 2 \frac{1}{6}$$

S106. Ans.(a)

$$\text{Sol. } \frac{132+169-27}{42} = ?$$

$$? = \frac{274}{42}$$

$$? = 6 \frac{11}{21}$$

S107. Ans.(c)

$$\text{Sol. } 4 \times 26 + 80 + 5 \times ? = 324$$

$$5 \times ? = 324 - (104 + 80)$$

$$5 \times ? = 140$$

$$? = 28$$

S108. Ans.(a)

$$\text{Sol. } ? = 1200 - 460$$

$$? = 740$$

S109. Ans.(c)

$$\text{Sol. } 25 \times 3.6 + 50 - ?^2 = 40$$

$$?^2 = 140 - 40$$

$$? = 10$$

S110. Ans.(b)

$$\text{Sol. } ?^2 = 12 + 4.8 \times 5$$

$$?^2 = 12 + 24$$

$$? = 6$$

S111. Ans.(c)

Sol. Let total capacity of tank = 60 units (L.C.M of 12 and 15)

$$\text{Efficiency of inlet tap} = \frac{60}{12} = 5 \text{ units/hr.}$$

$$\text{Efficiency of outlet tap} = 5 - \frac{60}{12+3} = 1 \text{ units/hr.}$$

$$\text{Required time} = \frac{60}{1} = 60 \text{ hr.}$$

S112. Ans.(c)

$$\text{Sol. Selling price of 1st cycle} = \frac{1200 \times 80}{100} = 960 \text{ Rs.}$$

Now,

$$\text{Selling price of 2nd cycle} = \frac{960 \times 130}{100} = 1248 \text{ Rs.}$$

$$\text{Profit of man} = 1248 - 1200 = 48 \text{ Rs.}$$

S113. Ans.(a)

Sol. Let the sum be Rs 100x

ATQ

$$\frac{100x \times 3.5 \times 12}{100} - \frac{100x \times 1.5 \times 24}{100} = 144$$

$$42x - 36x = 144$$

$$x = 24$$

$$\text{Required sum} = \text{Rs } 24,00$$

**S114. Ans.(d)**

**Sol.** Speed of boat in upstream=10 km/hr

Speed in downstream= 15 km/hr

Speed of boat in still water= 12.5 km/hr

Required total distance=  $12.5 \times 8 = 100 \text{ km}$

**S115. Ans.(a)**

**Sol.** Let present age of A be x yrs

& present age of B be y yrs.

ATQ,

$$x + y = 88 + 12$$

$$x + y = 100 \dots (i)$$

$$x - 18 = y - 6$$

$$x - y = 12 \dots (ii)$$

solving (i) & (ii)

$$x = 56$$

$$\therefore \text{age of A 2 year hence} = 58 \text{ yrs}$$

**S116. Ans.(e)**

**Sol.** Total weight =  $n \times 35$

ATQ -

$$\Rightarrow \frac{n \times 35 - 25}{n - 1} = 36$$

$$\text{Solving } n = 11$$

**S117. Ans.(b)**

**Sol.** Let A and B invested Rs. 3x and Rs. 5x respectively

Ratio of profit of A and B =  $3x \times 12 : (5x \times 4 + 4x \times 8)$

$$= 36x : 52x = 9 : 13$$

$$\therefore \text{Profit share of A} = \frac{9}{22} \times 880 = \text{Rs. } 360$$

**S118. Ans.(b)**

**Sol.** Discount  $R_1 = 25\%$

$$R_2 = 24\%$$

$$\therefore \text{Equivalent discount} = -R_1 - R_2 + \frac{R_1 R_2}{100}$$

$$= -25 - 24 + \frac{25 \times 24}{100} = -43$$

$$\text{i.e. discount} = 43\%$$

**S119. Ans.(b)**

**Sol.** Total sum of 8 numbers=312

Total sum of first 3 numbers=99

Total sum of last four numbers=182

$$\text{Required fourth number} = 312 - (99 + 182) = 31$$

**S120. Ans.(b)**

**Sol.** 33% of A = 55% of B

$$\frac{33 \times A}{100} = \frac{55 \times B}{100}$$

$$A : B = 5 : 3$$

