

Test-I English Language

Directions (Q. 1-9): Read the passage carefully and answer the questions given below it.

The Reserve Bank of India (RBI) stipulated that debit cards would be issued to customers having Savings Bank and Current Accounts but not to cash credit or loan account holders.

Banks may issue only online debit cards, including co-branded debit cards where there is an immediate debit to the customers' account, and where straight-through processing is involved, RBI said.

"Banks are, henceforth, not permitted to issue offline-debit cards. Banks which are now issuing offline debit cards may conduct a review of their offline debit card operations and discontinue operations of such cards within a period of six months from the date of this circular," RBI said in a notification to all banks.

Banks were also asked to ensure that customers were duly informed regarding switching over to online debit cards. However, till such time-as offline cards were phased out, the outstanding balances/unspent balance stored on the cards would be subject to computation of reserve requirements.

"No bank shall despatch a card to a customer unsolicited, except in the case where the card is a replacement for a card already held by the customer," it added.

Each bank shall make available to the cardholders, in writing, a set of contractual terms and conditions governing the issue and use of such a card. These terms shall maintain a fair balance between the interests of the parties concerned and shall be expressed clearly.

"The terms shall specify that the bank shall be responsible for direct losses incurred to a cardholder due to a system malfunction directly within the bank's control." However, the RBI said that banks would not be held liable for any loss caused by a technical breakdown of the payment system if the breakdown of the system was recognisable for the cardholder by a message on the display of the device or otherwise known. The responsibility of the bank for the non-execution or defective execution of the transaction is limited to the principal sum and the loss of interest subject to the provisions of the law governing the terms.

With a view to reducing the instances of misuse of lost/stolen cards, the apex bank asked banks to issue cards with photographs of the cardholder or any other advanced methods that may evolve from time to time.

Banks should undertake review of their operations/issue of debit cards on a half-yearly basis. The review would include, inter alia, card usage analysis, including cards not used for long durations due to their inherent risks.

Banks were asked to ensure to put in place an effective mechanism for redressal of customer complaints. "The name, designation, address and contact number of important executives as well as the grievance redressal officer of the bank may be displayed on the website."

Further, the RBI said that there should be a system of acknowledging customers' complaints for follow-up, such as complaint number/docket number.

1. **Which of the following can be inferred on the basis of the guidelines issued by the RBI through its latest notification, as mentioned in the given passage?**

- (A) Banks which are still issuing offline debit cards should review their offline debit card operations and discontinue such operations with immediate effect.
- (B) No bank will issue offline debit cards henceforth.
- (C) Banks may issue MICR cheques to such customers as have not been issued online debit cards till the date of the latest notification.
- (a) Only (A) and (C)
- (b) Only (B) and (C)
- (c) Only (C)
- (d) All (A), (B) and (C)
- (e) Only (B)

2. **What instruction(s) has/have been given to banks regarding the contractual terms and conditions governing the issue and use of debit cards?**

- (a) No bank shall divulge the internal policy of banks to any of its customers.
- (b) Each bank shall make available to the cardholders, in writing, a set of terms and conditions governing the issue and use of such a card.
- (c) The terms and conditions will be prepared in such a manner as to benefit the banks.
- (d) The terms and conditions should be prepared in duplicate and a copy thereof should be dispatched to the RBI.
- (e) All the above

3. **Which of the following is/are true in the context of the passage?**

- (a) Bank shall be responsible for the loss incurred to a cardholder if it is caused due to the malfunctioning of a device which is directly within the control of banks.
- (b) Banks would be held responsible for any loss caused by a technical breakdown of the payment system if the breakdown of the system was recognisable for the cardholder by any means.

- (c) Banks would be liable to compensate the loss incurred to a cardholder only up to the extent of principal sum. if the fault lies on the part of a bank.
 (d) Only (a) and (b)
 (e) Only (a) and (c)
4. **What has the apex bank asked other banks to do to reduce the instances of misuse of lost or stolen cards?**
 (A) Issue cards bearing the thumb impression recognisable to the device.
 (B) Issue cards acceptable to a device with two different pin numbers.
 (C) Issue cards with photographs of the cardholders.
 (a) Only (A) (b) Only (B)
 (c) Only (C) (d) All (A), (B) and (C)
 (e) None of these
5. **What instruction regarding outstanding balances stored on the cards have been issued by the central bank of India?**
 (a) All outstanding balances stored on the cards be transferred to the RBI within a period of six months.
 (b) All such balances be paid to the concerned customers.
 (c) All such balances be accounted for in sundry receipt account,
 (d) All such balances would be subject to computation of reserve requirements.
 (e) None of these
6. **Find the correct statement (s) on the basis of the given passage.**
 (A) As per the latest amendment, customers holding fixed deposits of larger amount would be issued smart cards.
 (B) The RBI stipulated that debit cards would be issued to customers who have any type of bank accounts.
 (C) It will be a prerogative of banks to issue only online debit cards including co-branded debit cards where there is an immediate debit to customer's account and where straight-through processing is involved.
 (a) Only (B) (b) Only (C)
 (c) Only (A) (d) Only (B) and (C)
 (e) Only (A) and (C)
7. **What suggestion(s) has/have been made by the RBI for the redressal of customer's complaints?**
 (a) Every bank should engage an employee who will listen to customer's complaints and reply suitably.
 (b) A centralised customer grievance redressal should be opened jointly by banks.
 (c) Full details of grievance redressal officers and important executives of the bank should be displayed on the website.
 (d) A fortnightly review of the customer complain: should be undertaken and the steps taken in this regard should be intimated to the head office of the concerned bank along with audit compliance report.
 (e) All the above
8. **In order to have experience regarding the functioning of the debit cards, what instructions have been issued to banks by the RBI?**
 (A) The review undertaken by bank should include card usage analysis.
 (B) The cards not used for long duration should also be taken into consideration while undertaking review of debit cards.
 (C) Banks should undertake review of their operation of issue of debit cards on a half-yearly basis.
 (a) Only (A) and (B) (b) Only (B) and (C)
 (c) Only (A) and (C) (d) All (A), (B) and (C)
 (e) Only (C)
9. **The main issue dealt with in the given passage is**
 (a) redressal of customer's complaints
 (b) review of offline debit cards
 (c) terms and conditions for debit card users and banks
 (d) the responsibility of the bank
 (e) norms for issuing debit cards
- Directions (Q. 10-15): In each of the following questions four words are given of which two are most nearly the same or opposite in meaning. Find the two words which are most nearly the same or opposite in meaning and And the number of the correct letter combination.**
10. (A) Confusing (B) Irritating
 (C) Bewildering (D) Dictating
 (a) A-B (b) A-C (c) A-D (d) B-C
 (e) B-D
11. (A) Melodious (B) Witty
 (C) Loony (D) Eccentric
 (a) A-B (b) B-C (c) C-D (d) A-D
 (e) B-D
12. (A) Robust (B) Pesky
 (C) Annoying (D) Abhorring
 (a) A-B (b) C-D (c) A-C (d) B-D
 (e) B-C
13. (A) Bridled (B) Hurled (C) Abusive (D) Unchecked
 (a) A-B (b) B-C (c) C-D (d) A-D (e) B-D
14. (A) Awesome (B) Nomadic
 (C) Blushing (D) Shameless
 (a) A-B (b) B-C (c) C-D (d) A-C (e) B-D
15. (A) Curb (B) Courage (C) Control (D) Identity
 (a) A-B (b) B-C (c) C-D (d) A-C (e) B-D
- Directions (Q. 16-25): In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given**

against each number and fill up the blanks with appropriate words to make the paragraph meaningful.

Ironically, the most shocking thing about the spot-fixing (16) that has rocked the Indian Premier League is that it may not have come as a rude shock to too many in the game. For, the moral (17) of IPL's (18) - packaging dumbed-down entertainment as sport with the sole aim of making money - had left plenty of room for shady dealings of this kind. Hannah Arendt's famous phrase, the (19) of evil, may not be out of place in the context of the popular league and the (20) cloud of corruption under which it has (21).

Three players of the Rajasthan Royals team and a number of bookmakers have been arrested but when the whole (22) is focused (23) on crass commerce, it is only a matter of time before a few of those involved in it lose their moral compass. The utter lack of (24) in the IPL did come to light a few years ago and the Board of Control for Cricket in India (BCCI) (25) responded by pointing a finger at the man, Lalit Modi, whose brainchild the league was.

16. (a) even (b) scandal (c) matter (d) incident
(e) accident
17. (a) blank (b) depletedness
(c) vacuousness (d) destitute
(e) exhaustion
18. (a) program (b) venue (c) programme
(d) placard (e) agenda
19. (a) form (b) resource (c) nuance (d) banality
(e) affect
20. (a) black (b) white (c) mephitic
(d) important (e) attraction
21. (a) prospered (b) augment
(c) decayed (d) yielded
(e) blossomed
22. (a) ballgame (b) enterprise
(c) endeavour (d) engagements
(e) campaign
23. (a) astigmatically (b) imprudent
(c) practically (d) myopically
(e) unsagaciously
24. (a) opacity (b) transparency
(c) faithlessness (d) translucency
(e) accuracy
25. (a) anticipated (b) forcibly
(c) never (d) ever
(e) predictably

Directions (Q. 26-30): Which of the phrases (a), (b), (c) and (d) given below each statement should be placed in the blank space provided so as to make a meaningful and grammatically correct sentence? If none of the sentences is appropriate mark (e), i.e. 'None of these', as the answer.

26. **A confluence of adverse domestic and global factors is threatening to push the Indian rupee to historic lows,**
(a) encouraging people to invest in share markets.
(b) compelling people to withdraw money from banks and keep them in their own custody.
(c) forcing common men to purchase gold coins from banks.
(d) making the import of crude oil and coal more expensive and aggravating the problems of the economy.
(e) None of these
27. **"_____ that Kundra was influencing any player of his team to underperform and hence resorting to spot fixing," police said.**
(a) There is ample proof or indication yet
(b) There is no proof or indication yet
(c) Who said
(d) Everybody is claiming about his involvement in spot-fixing
(e) None of these
28. **_____ the offences that Ranbaxy has pleaded guilty to in the US, the penalty it has paid, and the exact nature of infringements cited in the case.**
(a) No, we are still ascertaining the fact that
(b) I read the statement, and yes, we need to consider this aspect
(c) We are also looking into
(d) We would identify international events and take
(e) None of these
29. **The finance ministry has asked all government bodies to disclose the reasons for rejecting or excluding bidders from contracts awarded by them _____.**
(a) in order to bring more transparency and avoid litigations from losing bidders
(b) in order to pay compensation to losing bidders
(c) in order to revalidate the cancelled bids
(d) in order to cancel the licence of agitating bidders
(e) None of these
30. **The government's decision to begin the so-called conciliation talks with Vodafone is _____.**
(a) just beating about the bush
(b) to woo the foreign investors and bring in a lot of money in India
(c) to drive away the company from India
(d) a sensible effort to bring to an end an episode that has bedevilled India's investment climate
(e) None of these

Test-II Reasoning Ability

Directions (Q. 31-36): Study the following information carefully and answer the given questions:

Eight candidates A, G, L, N, P, Q, R and S have applied for I BPS exam for different banks, viz BOB, BOI, Dena Bank, UBI, OBC, Indian Bank, Corporation Bank and UCO Bank but not necessarily in the same order. There are five male and three female candidates in this group. Each male and each female has applied from his/her city, viz Jaipur, Delhi, Noida, Kanpur, Patna, Ranchi, Gurgaon and Ghaziabad. No male has applied from Ranchi and Kanpur.

P has applied for Indian Bank from Ghaziabad. The one who has applied for Corporation Bank is neither from Noida nor from Kanpur. G has applied for OBC. His sister L has applied for Dena Bank from Jaipur. The one who belongs to Delhi has applied for BOB. The one who has applied from Noida is not a female. N has applied for UBI and her friend has applied for BOB. Q is from Gurgaon and has not applied either for Corporation Bank or for UCO Bank. The one who has applied for UCO Bank has applied neither from Patna nor from Noida. S has applied from Kanpur. A does not apply from Patna.

31. Which of the following groups is a group of female applicants?
(a) G, N, L (b) N, Q, S (c) L, N, S (d) P, Q, R
(e) None of these
32. Who among the following has applied from Ranchi?
(a) P (b) N (c) S (d) L
(e) None of these
33. Which of the following combinations is true?
(a) A-UBI-Ranchi
(b) R-Corporation Bank-Noida
(c) L-UCO Bank-Jaipur
(d) G-OBC-Noida
(e) None of these
34. Who among the following has applied for BOB?
(a) A (b) S (c) N (d) Q
(e) None of these
35. G belongs to which of the following cities?
(a) Delhi (b) Ranchi (c) Noida (d) Gurgaon
(e) None of these
36. Four of the five are alike in a certain way and hence form a group. Which is the one that does not belong to that group?
(a) P (b) R (c) A (d) L (e) Q

Directions (Q. 37-40): Each of the questions below consists of a question and two statements numbered I and II given below. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer

- (a) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
 - (b) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
 - (c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.
 - (d) if the data in both the statements I and II together are not sufficient to answer the question.
 - (e) if the data in both the statements I and II together are necessary to answer the question.
37. **How is D related to A?**
I. D is married to E, who is brother of B.
II. A's son B is married to C, who is sister of D.
 38. **Which direction was Manish facing?**
I. Manish and Mohit were talking to each other face to face.
II. At 4 o'clock Manish's shadow was exactly on the left of Mohit.
 39. **What is the rank of R from the bottom in a class of 30 students?**
I. N is fourth from the top and there are five students between N and R.
II. The rank of K is fourth from the bottom and there are 17 students between K and R.
 40. **There are five students Aarti, Babita, Chandan, Dhiraj and Suman sitting around a circular table. Who is on the immediate right of Aarti?**
I. Aarti is second to the left of Dhiraj, who is not the neighbour of Babita.
II. Babita is second to the right of Dhiraj and is an immediate neighbour of Chandan and Suman.

Directions (Q. 41-45): These questions are based on the information given below and the sentences labelled (A), (B), (C), (D), (E) and (F) given after them:

The Aam Aadmi Party (AAP) claims that it consults many stakeholders before it takes important decisions, like forming its first government in Delhi. Who did it consult before deciding that Delhi would not allow foreign direct investment (FDI) in supermarkets? The government of India took the decision to open up supermarkets to overseas investments after protracted debate in media, academia, civil society and Parliament, because in balance, the benefits of FDI in supermarkets outweighed the costs. Supermarkets create jobs. There are many other benefits as well.

- (A) If food retailers were allowed to buy direct from farmers, instead of going through a complex chain of politically-connected middlemen in states, it would reduce waste, speed up time from farm to plate, boost prices of farm produce for farmers and

cut food inflation by eliminating middlemen's margins.

- (B) AAP should withdraw the ban on FDI in supermarkets.
 (C) There should be consistency in the style of decisionmaking.
 (D) Debate in media is more meaningful than mere referendum.
 (E) Foreign powers had manoeuvred the government of India in saying yes to FDI.
 (F) By banning FDI, the AAP looks like an Aam Shopkeeper Party.
41. Which of the following has/have been assumed in the information in the paragraph given above?
 (a) Only C (b) Only E (c) Only B
 (d) Both B and C (e) Both B and E
42. Which of the following statements strengthen(s) the argument given in the paragraph above?
 (a) Only D (b) Only E (c) Only A
 (d) Both A and D (e) Both D and E
43. Which of the following is a benefit(s) of FDI in supermarkets?
 (a) Only A (b) Only D (c) Only F
 (d) Both A and D (e) Both A and F
44. Which of the following statements weaken(s) the argument given in the paragraph above?
 (a) Only A (b) Only B (c) Only C
 (d) Only D (e) Only E
45. Which of the following can be a conclusion on the basis of the paragraph given above?
 (a) Only F (b) Only D (c) Only C (d) Only B
 (e) Both B and C

Directions (Q. 46-50): Study the following information carefully to answer the given questions.

A word and number arrangement machine when given an input line of words and numbers rearranges them follow my a particular rule in each step. The following is an illustration of the input and rearrangement (All the numbers are two-digit numbers.)

Input: 76 pink 83 colour 79 each 65 owl ice 81

Step I: each 76 pink 83 colour 79 65 owl ice 81

Step II: each 65 76 pink 83 colour 79 owl ice 81

Step III: each 65 ice 76 pink 83 colour 79 owl 81

Step IV: each 65 ice 76 owl pink 83 colour 79 81

Step V: each 65 ice 76 owl 79 pink 83 colour 81

Step VI: each 65 ice 76 owl 79 colour pink 83 81

Step VII: each 65 ice 76 owl 79 colour 81 pink 83

Step VII is the last step of the above input as the desired arrangement is obtained. As per the rules followed above find the appropriate step for the given input.

Input: magazine 14 desire 21 put 13 28 expireaeth ite
 25 30

46. Which step number is the following output?
 activate 13 expire 14 input magazine desire 21
 28 25 30
 (a) Step IV (b) Step V (c) Step VII
 (d) There is no such step (e) none of these
47. How many elements (words or numbers) are there between '14' and '25' as they appear in the Last step but one?
 (a) Two (b) Three (c) Four (d) Five (e) Six
48. Which word/number would be at the fifth position the right in Step III?
 (a) desire (b) 14 (c) input (d) 21
 (e) None of these
49. Which of the following represents the position of 'input' in the sixth step?
 (a) Seventh from the left (b) Fifth from the right
 (c) Fifth from the left (d) Sixth from the right
 (e) None of these
50. How many steps would be required to get the output?
 (a) Six (b) Seven (c) Five (d) Nine
 (e) Eight

Directions (Q. 51-53): Study the following information carefully and answer the given questions.

There are five bottles A, E, I, O and U arranged on a table but not necessarily in the same order. Bottle E, is to the north of bottle O. Bottle I is to the south of bottle, E. Bottle A and Bottle U are in the east and west respectively of bottle I.

51. In which direction is bottle O with respect to bottle I?
 (a) South (b) North (c) Either (a) or (b)
 (d) East (e) North-east
52. If bottle I is exactly between E and O then in which direction is bottle A with respect to bottle O?
 (a) North (b) North-east (c) South-east
 (d) South (e) None of these
53. In which direction is bottle U with respect to bottle E?
 (a) South (b) South-east
 (c) West (d) South-west
 (e) None of these
54. How many such pairs of letters are there in the word EDITION each of which has as many letters between them in the word as in the English alphabetical series?
 (a) One (b) Two (c) Three (d) Four
 (e) None of these

55. In a certain code language RIVER is written as LUXOB. How is TEPID written in that code language?
 (a) HWRAF (b) HWQAF (c) HRNAF (d) AFRHW
 (e) None of these

Directions (Q. 56-60): In each question below are given three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer

- (a) if only conclusion I follows.
 (b) if only conclusion II follows.
 (c) if either conclusion I or II follows.
 (d) if neither conclusion I nor II follows.
 (e) if both conclusions I and II follow.
56. **Statements:** All plastics are notes.
 No note is a coin.
 Some coins are papers.
Conclusions: I. Some coins are plastics.
 II. No coin is a note.
- (57-58):
Statements: No graphic is a picture.
 Some pictures are figures.
 All symbols are figures.
57. **Conclusions:** I. Some figures are not graphics.
 II. Some pictures are symbols.
58. **Conclusions:** I. All symbols being pictures is a possibility.
 II. Some graphics are symbols.
- (59-60):
Statements : Some birds are insects.
 All birds are butterflies.
 All insects are snakes.
59. **Conclusions:** I. Some snakes are birds.
 II. Some butterflies are snakes.

60. **Conclusions:** I. All butterflies being insects is a possibility.
 II. All birds being snakes is a possibility.
61. If the expression $R > V$ and $P < Q$ are true, then which of the following symbols should be placed in the blank spaces respectively in the given expression?
 $Q _ R _ N = P _ V$
 (a) $>$, (b) $=$, $>$ (c) $,$ $>$ (d) $>$, $>$
 (e) None of these
62. Which of the following expressions is true, if the given expression is true?
 $E > F \quad G = H \quad I < J$
 (a) $E > I$ (b) $J > G$ (c) $F < J$ (d) $E < H$
 (e) None of these
63. Which of the following symbols should be placed in the blank spaces respectively to make the expression $Q > M$ and $P < M$ definitely true?
 $M _ N _ O _ P _ Q$
 (a) $<$, $=$, $>$, $<$ (b) $,$ $>$, $=$, $>$
 (c) $=$, $,$ $,$ $=$ (d) $,$ $,$ $,$
 (e) None of these
64. There are three ladies L, M and N married to three men P, Q and R. All the men have a different profession while the women have none. L is married to P. M is not married to the CA. N is not married to the teacher. R is not a teacher and P is a lawyer. Which of the following statements is correct?
 (a) M is married to R, who is a teacher.
 (b) N is married to R, who is a C A.
 (c) L is married to P, who is a teacher.
 (d) Only (b) and (c) are correct
 (e) None of these
65. There are five books J, K, Y, W and X placed on a table. Y is placed just below J, W is placed just above X, and K is placed below Y and X. Which of the following books touches the surface of the table?
 (a) W (b) X (c) K (d) J (e) Y

Test-III Quantitative Aptitude

66. Kunal's present age is three years less than twice his age 12 years ago. Also, the ratio of Vikrant's present age to Kunal's present age is 4 : 9. What will be the age of Vikrant after 4 years?
 (a) 16 years (b) 17 years
 (c) 18 years (d) 27 years
 (e) Can't be determined
67. A hen and a goat were sold for Rs. 540, there by making a profit of 25% on hen and 20% on goat. By selling them for Rs. 538 the profit would be 20% on hen and 25% goat. Find the cost (in Rs.) of each hen and each goat.
 (a) Rs. 250, Rs. 200 (b) Rs. 240, Rs. 220
 (c) Rs. 225, Rs. 200 (d) Rs. 240, Rs. 200
 (e) None of these

68. There is a team of five persons A, B, C, D and E. In how many different ways can they be seated on a bench if A and B never sit together?
- (a) 144 (b) 120 (c) 72 (d) 720
(e) None of these

Directions (Q. 69-70): Study the given information carefully and answer the questions that follow.

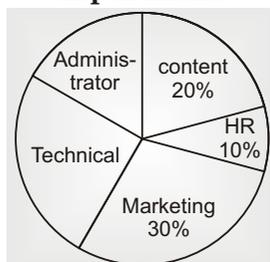
69. A box contains 6 red, 3 yellow and 2 green balls. If two balls are picked at random, what is the probability that both of them are red?
- (a) $\frac{3}{11}$ (b) $\frac{1}{2}$ (c) $\frac{4}{15}$ (d) $\frac{1}{7}$
(e) None of these
70. If two balls are picked at random from the box given in the above question, what is the probability that at least one of them is yellow?
- (a) $\frac{22}{91}$ (b) $\frac{27}{55}$ (c) $\frac{1}{456}$ (d) $\frac{7}{11}$
(e) None of these

Directions (Q. 71-75): What should come in place of question mark (?) in the following questions?

71. $5003 \times 99 - 194661 = ? \times 126$
(a) 2377 (b) 2386 (c) 2486 (d) 2586
(e) 2468
72. $[(6\sqrt{11} - \sqrt{11})(7\sqrt{11} - 9\sqrt{11})] (29)^2 = ?$
(a) 402 (b) $110\sqrt{11}$ (c) $112\sqrt{11}$ (d) 391
(e) 389
73. $8\frac{9}{47} - 9\frac{13}{56} + 7\frac{7}{11} - 2\frac{4}{9} + 6\frac{3}{5} = ?$
(a) 488.4 (b) 420 (c) 223.6 (d) 413.6
(e) 229.65
74. $\sqrt{35721} + \sqrt{4624} - (86)^2 + 543 = (?)^3$
(a) 18 (b) 19 (c) 17 (d) 16 (e) 13
75. $? = 77.5\% \text{ of } 230 + 75\% \text{ of } 22 + 35\% \text{ of } 140$
(a) 240.75 (b) 243.75 (c) 253.75 (d) 243.25
(e) None of these

Directions (76-80): Read the following table in pie chart carefully and answer the questions given below it.

Distribution of employees of a company in different department:



Total number of employees 800

Table shows the portion of female employees and portion of employees whose age is under 25 yrs.

	Female	Under 25
Content	—	0.50
HR	0.60	0.10
Marketing	0.40	—
Technical	0.10	0.25
Administrator	0.50	—
Total	0.40	0.30

76. The number of males in technical department are 180, then find the number of employees whose age is under 25 is same department?
- (a) 100 (b) 50 (c) 70 (d) 25
(e) 125
77. What is the Ratio of number of male employees from marketing department to number of employees under 25 age from content team?
- (a) 5 : 9 (b) 7 : 8 (c) 2 : 9 (d) 9 : 5
(e) Data insufficient
78. What percent of employees in content team are male?
- (a) 10% (b) 20% (c) 25% (d) 40%
(e) 15%
79. If in Administrator department, there are no employee under 25, then by what percent number of employee under 25 in marketing are more than number of employee under 25 in technical?
- (a) 100% (b) 96% (c) 104% (d) 124%
(e) none of these
80. If in marketing department, 25% of males are under 25 age then what is the ratio of number of males who are above 25 to the number of females who are under 25 age?
- (a) 3 : 2 (b) 2 : 3 (c) 1 : 3 (d) 1 : 2
(e) none of these

Directions (Q. 81-85): Find the number that will come in place of question mark (?) in the following number series.

81. 90 110 132 156 182 ?
(a) 207 (b) 307 (c) 309 (d) 323 (e) 210
82. 2 18 95 384 1155 ?
(a) 2212 (b) 2629 (c) 2735 (d) 2312
(e) 2412
83. 7 18 51 106 183 ?
(a) 282 (b) 395 (c) 295 (d) 280
(e) None of these
84. 37 42 57 82 117 ?

- (a) 166 (b) 162 (c) 157 (d) 159
(e) None of these
85. **33 321 465 537 573 591 ?**
(a) 600 (b) 610 (c) 590 (d) 595
(e) None of these
86. **The average of four positive integers is 72.5. The highest integer is 117 and the lowest integer is 15. The difference between the remaining two integers is 12. Which is the higher of these two remaining integers?**
(a) 73 (b) 84 (c) 70
(d) Cannot be determined (e) None of these
87. **The population of a town is 8500. It increases by 20% in the first year and by another 25% in the second year. What would be the population of the town after two years?**
(a) 10950 (b) 12750 (c) 11950 (d) 12550
(e) None of these
88. **The difference between the simple interest and compound interest obtained on a principal amount at 5 p.c.p.a. after 2 years is Rs35. What is the principal amount?**
(a) Rs. 15,000 (b) Rs. 10,000
(c) Rs. 14,000 (d) Rs. 13,000
(e) None of these
89. **'A' can complete a piece of work in 12 days. 'A' and 'B' together can complete the same piece of work in 4 days. In how many days can 'B' alone complete the same piece of work?**
(a) 6 days (b) 8 days (c) 15 days
(d) 18 days (e) None of these
90. **If $ab = 36$, which of the following proportions is correct?**
(a) $9 : a = 4 : b$ (b) $a : 18 = b : 3$
(c) $a : 6 = b : 6$ (d) $a : 9 = 4 : b$
(e) None of these

Directions (Q. 91-95): In the following questions, two equations I and II are given. You have to solve both the equations and give answer

- (a) If $x = y$ (b) If $x > y$ (c) If $x < y$ (d) If $x = y$
(e) If $x = y$ or the relationship cannot be determined.
91. **I. $2x + 15y = 5$ II. $6x + 5y = 1$**
92. **I. $x^2 = 1521$ II. $y = \sqrt{1521}$**
93. **I. $x^2 + 12x + 35 = 0$ II. $y^2 + 9y + 20 = 0$**

94. **I. $4x + 3y = 16$ II. $2x + 2y = 9$**
95. **I. $x^2 + 7x + 12 = 0$ II. $y^2 + 5y + 6 = 0$**

Directions (Q. 96-100): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer

- (a) if the data in statement I alone is sufficient to answer the question while the data in statement II alone is not sufficient to answer the question.
(b) if the data in statement II alone is sufficient to answer the question while the data in statement I alone is not sufficient to answer the question.
(c) if the data either in statement I alone or in statement II alone is sufficient to answer the question.
(d) if the data in both the statements I and II even together are not sufficient to answer the question.
(e) if the data in both the statements I and II together are necessary to answer the question.
96. **What is the speed of a running train?**
I. The length of the train is 180 metres.
II. The train crosses another stationary train of 120 metres length in 60 seconds.
97. **What is the speed of a boat in still water?**
I. The boat running downstream takes 6 hours from A to B
II. The boat running upstream takes 8 hours from B to C.
98. **What is the difference between the age's of Samir and Sreekant?**
I. The ratio of their ages is 7 : 9.
II. 5 years hence the sum of their ages will be 58 years.
99. **In how many days can Mohan alone complete the work?**
I. Mohan and Prakash together can complete the work in 17 days.
II. Rakesh works double as fast as Mohan and can alone complete the work in 10 days.
100. **What is the per cent rate of simple interest per annum?**
I. The amount with the interest rate doubles in 5 years.
II. The interest earned in first year was Rs 10,000.

- Answer key

1. (e)	2. (b)	3. (a)	4. (c)	5. (d)	6. (b)	7. (c)	8. (d)	9. (e)	10. (b)
11. (c)	12. (e)	13. (d)	14. (c)	15. (d)	16. (d)	17. (c)	18. (e)	19. (b)	20. (c)
21. (a)	22. (b)	23. (d)	24. (b)	25. (e)	26. (d)	27. (b)	28. (c)	29. (a)	30. (d)
31. (c)	32. (b)	33. (d)	34. (a)	35. (c)	36. (d)	37. (e)	38. (e)	39. (c)	40. (b)
41. (a)	42. (d)	43. (a)	44. (e)	45. (d)	46. (b)	47. (d)	48. (d)	49. (c)	50. (e)
51. (e)	52. (b)	53. (d)	54. (c)	55. (a)	56. (b)	57. (a)	58. (a)	59. (e)	60. (e)
61. (a)	62. (b)	63. (d)	64. (b)	65. (c)	66. (a)	67. (d)	68. (c)	69. (a)	70. (b)
71. (b)	72. (d)	73. (e)	74. (c)	75. (b)	76. (j)	77. (j)	78. (j)	79. (j)	80. (j)
81. (e)	82. (d)	83. (a)	84. (b)	85. (a)	86. (e)	87. (b)	88. (c)	89. (a)	90. (d)
91. (c)	92. (d)	93. (b)	94. (a)	95. (d)	96. (e)	97. (d)	98. (e)	99. (b)	100. (a)

Hint & Solutions

41. Look at the way the author has compared to the referendum sought by AAP while forming government. The author assumes that it is wrong to seek referendum in one crucial matter and not do so in another crucial matter that affects one and all.
42. (A) takes the argument more in favour of FDI. Similarly, (D) also helps clinching the argument in favour of the author and taking it away from AAP.
43. The benefits have been clearly enumerated in (A).
44. If the government of India's decision was taken at the behest of foreign powers, then clearly there is a need for rethink.
45. We can't go for (C) because it loses sight for the core issue involved in the paragraph.
- (46-50) In the given arrangement the machine rearranges the words starting with vowels in alphabetical order and then those starting with consonants in alphabetical order. However, words and numbers are arranged in each alternate step.
- Input: magazine 14 desire 21 input 13 28 expire activate 25 30
- Step I: activate magazine 14 desire 21 input 13 28 expire 25 30
- Step II: activate 13 magazine 14 desire 21 input 28 expire 25 30
- Step III activate 13 expire magazine 14 desire 21 input 28 25 30
- Step IV activate 13 expire 14 magazine desire 21 input 28 25 30
- Step V : activate 13 expire 14 input magazine desire 21 28 25 30
- Step VI : activate 13 expire 14 input 21 magazine desire 28 25 30
- Step VII : activate 13 expire 14 input 21 desire magazine 28 25 30
- Step VIII : activate 13 expire 14 input 21 desire 25 magazine 28 30
56. All plastics are notes (A) + No note is a coin (E) = A + E = E = No plastic is a coin. Hence, conclusion I does not follow. Again, No note is a coin conversion No coin is a note. Hence, conclusion II follows.
57. No graphic is a picture (E) + Some picture are figures (I) = E + I + O* = Some figures are not graphics. Hence, conclusion I follows Again, Some pictures are figures conversion Some figures are pictures. Now, All symbols are figures (A) + Some figures are pictures (I) = A + I = No conclusion. Hence, conclusion II does not follow.
58. Now, All symbols are figures (A) + some figures are not graphics (O) = A + O = No conclusion. Hence, conclusion II does not follow. Again, All symbols are figures (A) + Some figures are pictures (I) = A + i = No conclusion. But the possibility in I exists. Thus, conclusion I follows
59. Some birds are insects (I) + All insects are snakes (A) I A I some birds are snakes conversion some snakes are birds. Hence, conclusion I follows. Again, some birds are insects conversion some insects are birds (I) + All birds are butterflies (A) = I + A = I = some insects are butterflies conversion some butterflies are insects (I) + All insects are snakes (A) = I + A = I = Some butterflies are snakes. Hence, conclusion II follows.
60. Both the conclusions follow since there are no negative statements.
61. Check the options one by one.
(1) Q R N P V
This leads us to R V is true. and Q P or P Q is true. Hence, follows.
(2) Q R N P V
This leads us to R V Hence, (R V) does not follow. Q P is true. But (P Q) does not follow.

(3) $Q \vee R \wedge N \wedge P \vee V$
 This leads us to $R \vee V$ is true. But $(R \wedge V)$ does not follow.

$Q \vee P$ or $P \wedge Q$ is true. Hence, option (4) does not follow.

64. () $L \vee P$ () **lawyer**

() $M \wedge Q$ () Teacher

() $N \wedge R$ () Ca

65. **There are two possibilities**

Possibility (i) j

Y

W

X

K

Possibility (ii) W

X

J

Y

K

Hence, K touches the surface of the table.

66. **Let the present age of Kunal be $9x$ and that of Vikrant be $4x$. Then, according to the question,**

$$9x - 2(9x - 12) = 3$$

$$\text{or } 18x - 9x + 24 = 3$$

Now, the present age of Kunal = $9 \times 3 = 27$ yrs and the present age of Vikrant = $4 \times 3 = 12$ yrs

Hence, after 4 yrs, Vikrant's age = $12 + 4 = 16$ yrs

67. **Let the CP of hen and goat be Rs. x and Rs. y respectively.**

According to the question,

$$\frac{5x}{4} + \frac{6y}{5} = 540$$

$$\text{or, } 25x + 24y = 10800 \quad \dots(i)$$

$$\text{Again, } \frac{6x}{5} + \frac{5y}{4} = 538$$

$$\text{or, } 24x + 25y = 10760 \quad \dots(ii)$$

Solving equation (i) and (ii),

we get $x = \text{Rs. } 240, y = \text{Rs. } 200$

68. **Total number of persons is five. When there is no restriction they can be seated in $5!$ ways. but A and B can be arranged in $2!$ ways.**

The required number of ways in which A and B do not sit together = $5! - 2! \cdot 4! = 120 - 8 = 112$

69. **Total number of balls = $6 + 3 + 2 + 11$**

Sample space $n(S) = {}^{11}C_2$

Now, the number of events $n(E) = {}^6C_2$

Required probability $P(E) =$

$$\frac{n(E)}{n(S)} = \frac{{}^6C_2}{{}^{11}C_2} = \frac{15}{55} = \frac{3}{11}$$

70. **At least one is yellow = $1 - P(\text{none is yellow})$**

$$1 - \frac{{}^8C_2}{{}^{11}C_2} = 1 - \frac{28}{55} = \frac{27}{55}$$

$$71. ? \frac{5003 \ 99 \ 194661}{126}$$

$$\frac{495297 \ 194661}{126}$$

$$\frac{300636}{126} = 2386$$

$$72. ? \frac{7\sqrt{11} \ 16\sqrt{11} \ 841 \ 1232 \ 841 \ 391}{126}$$

$$73. ? \frac{385 \ 517 \ 84 \ 9 \ 33}{47 \ 56 \ 11 \ 22 \ 5}$$

$$\frac{385 \ 27 \ 33 \ 51975 \ 1452}{44 \ 5 \ 220}$$

$$\frac{50523}{220} = 229.65$$

$$74. 189 \ 68 \ (86)^2 \ 543 \ (?)^3$$

$$\frac{32852 \ 7396 \ 543 \ (?)^3}{? \ \sqrt[3]{4913} \ 17}$$

$$75. ? \frac{77.5 \ 230 \ 75 \ 22 \ 35 \ 140}{100 \ 100 \ 100}$$

$$\frac{178.25 \ 16.5 \ 49}{243.75}$$

81. **The series is 20, 22, 24, 26, 28...**

82. **The series is 2, 6, 6, 18**

$$\frac{18 \ 5 \ 5 \ 95}{95 \ 4 \ 4 \ 384}$$

$$\frac{384 \ 3 \ 3 \ 1155}{1155 \ 2 \ 2 \ 2312}$$

83. **The series is + (11, 1), (11, 3), (11, 5), (11, 7)...**

84. **The series is 37, (5, 1), 42**

$$\frac{42 \ (5 \ 3) \ 57}{57 \ (5 \ 5) \ 82}$$

$$\frac{82 \ (5 \ 7) \ 117}{117 \ (5 \ 9) \ 162}$$

85. **The series is (9, 32), (9, 16), (9, 8), (9, 4), (9, 2)...**

86. **We have, $117 - x(x - 12) = 15 \cdot 72.5 - 4$**

[where x is the lower integer among the remaining two integers.]

$$\frac{2x - 290 \ 144 \ 146}{x - 73}$$

Hence the higher integer (among the remaining two integers) = $73 + 12 = 85$

87. **The total population after two years**

$$8500 + \frac{120}{100} \cdot 8500 + \frac{125}{100} \cdot 8500 = 12,750$$

88. **In case of simple interest, the total interest for two years is $(5 + 5) \cdot 10\%$ of the principal amount whereas at compound interest the total interest**

for two years is $5 \times 5 \times \frac{5 \times 5}{100} = 10.25\%$ of the principal amount.

hence we can conclude that Rs. 35 is $(10.25 + 10) = 20.25\%$ of the principal amount.

Hence the required amount $\frac{35 \times 100}{20.25}$
Rs. 14,000

89. **Quicker Method :** $\frac{12 \times 4}{12 \times 4} = 6$ days

Other Method : Suppose the work consists of making 12 pillars. Since A can complete the work in 12 days, this implies that A can make one pillar in a day. Similarly, we get that A and B together can make three pillars in a day. Hence we can conclude that B can make two pillars in a day. Hence, the total work (12 pillars) can be completed by B in $(12 \div 2) = 6$ days.

90. **Go through the options.**

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

$$a \cdot b = 9 \times 4 = 36$$

91. **I. $2x + 15y = 5$**

$$6x + 45y = 15 \quad \dots(i)$$

II. $6x + 5y = 1$ $\dots(ii)$

Subtracting (ii) from (i), we get

$$40y = 16$$

$$y = \frac{16}{40} = \frac{2}{5}$$

Now, using I, we get

$$2x + 15\left(\frac{2}{5}\right) = 5$$

$$\text{or, } 2x + 6 = 5$$

$$\text{or, } x = \frac{1}{2}$$

$$\text{Hence, } x = \frac{1}{2} \quad [\because \frac{2}{5} = \frac{1}{2}]$$

92. **From I : $x = 39$**

From II : $y = 39$

Hence, $x = y$.

93. **I. $x^2 + 12x + 35 = 0$**

$$\text{or, } x^2 + 7x + 5x + 35 = 0$$

$$\text{or, } x(x + 7) + 5(x + 7) = 0$$

$$\text{or, } (x + 5)(x + 7) = 0$$

$$\text{or, } x = -5 \text{ or } -7$$

$$\text{II. } y^2 + 9y + 20 = 0$$

$$\text{or, } y^2 + 5y + 4y + 20 = 0$$

$$\text{or, } y(y + 5) + 4(y + 5) = 0$$

$$\text{or, } (y + 4)(y + 5) = 0$$

$$\text{or, } y = -4 \text{ or } -5$$

$$\text{Hence, } x = y$$

94. **I. $4x + 3y = 16$** $\dots(i)$

$$\text{II. } 2x + 2y = 9$$

$$4x + 4y = 18$$

From (i) and (ii), we get

$$y = 2$$

$$\text{or, } y = 2$$

Now, using I, we get

$$4x + 3 \times 2 = 16$$

$$\text{or, } 4x + 6 = 16$$

$$\text{or, } x = \frac{10}{4} = 2.5$$

$$\text{Hence, } x = y.$$

95. **I. $x^2 + 7x + 12 = 0$**

$$\text{or, } x^2 + 4x + 3x + 12 = 0$$

$$\text{or, } x(x + 4) + 3(x + 4) = 0$$

$$\text{or, } (x + 3)(x + 4) = 0$$

$$\text{or, } x = -3 \text{ or } -4$$

$$\text{II. } y^2 + 5y + 6 = 0$$

$$\text{or, } y^2 + 3y + 2y + 6 = 0$$

$$\text{or, } y(y + 3) + 2(y + 3) = 0$$

$$\text{or, } (y + 2)(y + 3) = 0$$

$$\text{or, } y = -2 \text{ or } -3$$

$$\text{Hence, } x = y$$

96. **From I and II : we get :**

Speed of the running train

$$\frac{(180 - 120)}{60} = 5 \text{ m/sec}$$

98. **From I and II : we get**

$$7k + 9k + 58 = 5 \times 2$$

$$\text{or, } 16k + 48 = 10$$

$$k = -3$$

Now, the required difference between the ages of Samir and Sreekant

$$9 - 3 = 7 - 3 = 6 \text{ yrs}$$

99. **From II : we get :**

Ratio of the efficiencies of Rakesh and Mohan = 2 : 1

Since Rakesh alone can complete the work in 10 days, Mohan will complete the same work in $(10 \times \frac{2}{1}) = 20$ days.

100. **From I : We get**

$$\text{rate of interest} = \frac{100}{5} = 20\%$$