

Reasoning Ability

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101. If 'M' denotes '+', 'N' denotes '÷', 'R' denotes '-' and 'Q' denotes '×' then
 $15 M 12 Q 5 R 40 N 8 = ?$
(1) 70 (2) 130
(3) 45 (4) 60
(5) None of these
102. How many meaningful English words can be formed by using the third, fifth, ninth and eleventh letters of the word 'COMMANDMENT' using each letter only once ?
(1) None (2) One
(3) Two (4) Three
(5) More than three
103. Seema correctly remembers that she took leave after 21st October and before 27th October. Her colleague Rita took leave on 23rd October but Seema was present on that day. If 24th October was a public holiday and 26th October was Sunday, on which day in October did Seema take leave ?
(1) 22nd October (2) 25th October
(3) 22nd or 25th October (4) Data Inadequate
(5) None of these
104. If it is possible to make only one meaningful English word using each letter only once, from the first letters of each of the five words after the letters of each word are rearranged in alphabetical order, the last letter of that word is your answer. If more than one word can be formed, 'X' is the answer and if no such word can be formed then 'W' is the answer.
(1) E (2) N (3) X
(4) W (5) S
105. How many words will remain unchanged even after their rearrangement in alphabetical order ?
(1) None (2) One
(3) Two (4) Three
(5) More than three
106. How many pairs of letters are there in the word 'VERIFIED' each of which has as many letters between them in the word as in the English alphabet ?
(1) None (2) One
(3) Two (4) Three
(5) More than three
107. The fare paying capacity of people who travel on routes connecting to small towns is very low. Most successful airlines which operate in such regions have a large number of seats.

Directions (Q. 104–105) The following questions are based on the five three letter words given below.

PUN SAD CRY FOE STY

If each of the words is rearranged in alphabetical order then

Which of the following can be inferred from the above information ?

- (1) Regional airlines are quite profitable

- (2) People from cities are increasingly travelling to small towns
- (3) Regional airlines have to charge low fares in order to be profitable
- (4) The number of people travelling from small towns to cities is massive
- (5) None of the above

108. If 'A × D' means 'A is the sister of D', 'A + D' means 'D is the daughter of A' and 'A ÷ D' means 'A is the mother of D', then how will N is the aunt of M be denoted ?

- (1) $M + L \times N$
- (2) $M + L + N$
- (3) $L \times N + M$
- (4) $N \times L + M$
- (5) None of these

109. M earns more than X and less than T. V earns more than M and T. R earns more than only X. Who earns the least among the five of them ?

- (1) X
- (2) V
- (3) M
- (4) Cannot be determined
- (5) None of these

110. The Court has stayed proceedings against the stockbroker. He can now return to the country. Which of the following can be **assumed** from the given information ?

- (1) The stockbroker is innocent
- (2) The police cannot arrest the stockbroker
- (3) The judge has been bribed
- (4) Complaints filed against the stockbroker have been withdrawn
- (5) None of the above

Directions (Q. 111–115) Read the following passage carefully and answer the questions given below it.

A, B, C, D, E, F, G and H are sitting around a circular table, facing the centre. A sits third to the left of C and second to the right of E. B sits second to the right of D, who is not an immediate neighbour of E. H sits second to the left of F. G is not an immediate neighbour of D.

111. Which of the following pairs has only one person sitting between them, if the counting is done in clockwise direction ?

- (1) F, G
- (2) H, G
- (3) H, C
- (4) H, B
- (5) None of these

112. Who sits third to the right of E ?

- (1) D
- (2) G
- (3) F
- (4) B
- (5) None of these

113. What is the position of G with respect to A's position ?

- (1) Immediately to the right
- (2) Second to the left
- (3) Third to the right
- (4) Third to the left
- (5) Fourth to the right

114. Who sits between E and A ?

- (1) F
- (2) D
- (3) G
- (4) B
- (5) None of these

115. Starting from A's position, if all the eight are arranged in alphabetical order in clockwise direction, the seating position of how many members (excluding A) would remain unchanged ?

- (1) None
- (2) One
- (3) Two
- (4) Three
- (5) Four

Directions (Q. 116–123) In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

116. **Statements** Some stoves are ovens. All ovens are cylinders. Some engines are stoves. Some metals are cylinders.

Conclusions

- I. Some ovens are metals.
 - II. Some cylinders are stoves.
 - III. Some ovens are engines.
 - IV. No engine is a cylinder.
- (1) None follows
 - (2) Only II and IV follow
 - (3) Only II and III follow
 - (4) Only III follows
 - (5) Only II follows

117. **Statements** Some cars are buses. Some buses are trains. All airplanes are trucks. All trucks are buses.

Conclusions

- I. Some airplanes are trucks.
 - II. Some cars are trains.
 - III. Some trucks are airplanes
 - IV. No truck is a train.
- (1) None follows
 - (2) Only II and IV follow
 - (3) Only III and IV follow
 - (4) Only I and III follow
 - (5) None of the above

118. **Statements** Some tools are hammers. All tools are trees. Some trees are flowers. No hammer is a flower.

Conclusions

- I. All hammers are tools.
 - II. No tool is a flower.
 - III. Some hammers are trees.
 - IV. Some flowers are tools.
- (1) None follows
 - (2) Only I and either II or IV follow
 - (3) Only II and IV follow
 - (4) Only III follows
 - (5) None of the above

119. **Statements** Some bags are pockets. Some pockets are trousers. All skirts are pockets. Some belts are bags.

Conclusions

- I. Some trousers are belts.
- II. Some skirts are bags.
- III. No trouser is belt.

IV. Some skirts are trousers.

- (1) All follow
- (2) Only II and IV follow
- (3) Only III follows
- (4) Only either I or III follows
- (5) None of the above

120. Statements Some cats are tigers. All lions are cats. Some horses are lions. All horses are animals.

Conclusions

- I. Some lions are tigers.
- II. No horse is tiger.
- III. Some horses are cats.
- IV. Some horses are tigers.

- (1) None follows
- (2) Only III follows
- (3) Only II and IV follow
- (4) Only III and either II or IV follow
- (5) None of the above

121. Statements Some clocks are radios. No radio is a laptop. Some fridges are clocks. Some clocks are laptops.

Conclusions

- I. Some fridges are laptops.
- II. No radio is a fridge.
- III. Laptops are either fridges or clocks.
- IV. No laptop is a fridge.

- (1) Only II follows
- (2) Only IV follows
- (3) Only either I or IV follows
- (4) Only III follows
- (5) None of the above

122. Statements Some notes are coins. Some papers are plastics. All coins are papers. No note is cardboard.

Conclusions

- I. Some notes are papers.
- II. Some coins are plastics.
- III. No paper is cardboard.
- IV. No note is plastic.

- (1) Only I follows
- (2) Only I and II follow
- (3) Only I and III follow
- (4) All follow
- (5) None of the above

123. Statements All stools are desks. No desk is shelf. All shelves are cupboards. Some cupboards are mirrors.

Conclusions

- I. No mirror is shelf.
- II. No stool is shelf.
- III. No cupboard is desk.
- IV. No mirror is desk.

- (1) None follows
- (2) Only II and III follow
- (3) Only II follows
- (4) Only II, III and IV follow
- (5) None of the above

Directions (Q. 124–128) Study the following arrangement carefully and answer the questions given below.

M ? 2 D B 7 A 4 ★ 9 6 \$ T + N 5 @ V E W # U 8 F © 3

124. How many such prime numbers are there in the given arrangement each of which is immediately followed by a symbol and preceded by a consonant ?

- (1) None
- (2) One
- (3) Two
- (4) Three
- (5) More than three

125. If the places of the symbols are interchanged with those of the numbers immediately following them in the given arrangement then which of the following will be the eleventh from the right end ?

- (1) V
- (2) @
- (3) 5
- (4) N
- (5) None of these

126. Which of the following is the seventh letter to the left of # ?

- (1) A
- (2) N
- (3) T
- (4) B
- (5) None of these

127. What should come in place of the question mark (?) in the following series based on the above arrangement ?

2 7 B 4 6 9 T 5 N ?

- (1) @ W E
- (2) 5 E V
- (3) V U #
- (4) V # W
- (5) None of these

128. If the symbols and numbers are dropped from the given arrangement and then the letters are rearranged in alphabetical order which of the following will be the sixth from the left end ?

- (1) M
- (2) F
- (3) N
- (4) E
- (5) None of these

Directions (Q. 129–133) Below in each question are given two statements (A) and (B). These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and then decide which of the following answer choice correctly depicts the relationship between these two statements.

Mark answer (1) if statement (A) is the cause and statement (B) is its effect.

Mark answer (2) if statement (B) is the cause and statement (A) is its effect.

Mark answer (3) if both statements (A) and (B) are independent causes.

Mark answer (4) if both statements (A) and (B) are effects of independent causes.

Mark answer (5) if both statements (A) and (B) are effects of some common causes.

129. (A) There has been mass recruitment of IT professionals by Indian IT companies.

(B) Many developed countries are increasingly outsourcing IT related functions to India and China.

130. (A) Many farmers have given up jute cultivation as it is no longer economically viable.

(B) The textile ministry has proposed a hike in the Minimum Support Price of jute.

131. (A) The government is considering changes in the Land Acquisition Act.

(B) Several large infrastructure development projects have been stalled due to unavailability of land.

132. (A) The government is considering the possibility of involving private sector companies in highway construction projects.
 (B) The implementation of many highway projects undertaken by government agencies is behind schedule in various states.
133. (A) The price of aircraft fuel has risen during the past few months.
 (B) Many passenger airlines in India have been forced to cut their air fares by about 10 per cent.

Directions (Q. 134–140) In each question below is given a group of letters followed by four combinations of digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the coding system and mark the number of that combination as your answer. If none of the combinations correctly represents the group of letters, mark (5) i.e. 'None of these' as your answer.

Letter : W R A P G B M U S E F T N D
Digit/Symbol/Code : \$ 8 ! 2 7 # 9 @ ? 5 β 4 ★ 6

Conditions

- (i) If the middle letter is a vowel, the codes for the first and the fourth letters are to be interchanged.
 (ii) If the first two letters are consonants, the first letter is to be coded, no code may be given to the second letter and the remaining three letters are to be coded.
 (iii) If the first letter is a vowel and the last letter is a consonant both are to be coded as the code for the consonant.

134. NEAST
 (1) ? 5!★4 (2) ? 5!4★
 (3) 4★!5? (4) 45!?
 (5) None of these
135. DAEWP
 (1) 6!5\$2 (2) \$!562
 (3) 6!52\$ (4) \$265!
 (5) None of these
136. PEFTG
 (1) 25β42 (2) 2β4G
 (3) 25β47 (4) 47β25
 (5) None of these
137. SMGBE
 (1) ?975# (2) 97#5?
 (3) ?97#5 (4) ?#79?
 (5) None of these
138. UGREN
 (1) ★785@ (2) ★785★
 (3) @785@ (4) @85★
 (5) None of these
139. RBMFN
 (1) 8#9β4 (2) β★98#
 (3) 8★9β★ (4) 8#9β★
 (5) None of these
140. MUTWA
 (1) 9@\$4! (2) 94\$!
 (3) 94@!\$ (4) 9@4\$!
 (5) None of these

Directions (Q. 141–150) Study the following information carefully and answer the questions which follow.

A bank is disbursing educational loans to meritorious students. Loans will be made available to applicants who possess the following criteria. The candidate must

- (i) be a citizen of India.
 (ii) have secured admission to a post graduate course (Masters or PG Diploma) offered by an Indian or foreign university in India.
 (iii) have secured 60 per cent marks in the entrance examination for the course.
 (iv) have security (property/LIC policy) equivalent to the loan amount.

However, if the applicant fulfils the above mentioned criteria **except—**

- (a) at (ii) above the case may be referred to the Loan committee.
 (b) at (iv) above guarantee of a third party who has an account with the bank may be obtained.

Mark answer (1) if the loan is to be sanctioned.

Mark answer (2) if the loan is to be rejected.

Mark answer (3) if the loan is to be referred to the loan committee.

Mark answer (4) if guarantee from an account holder is needed.

Mark answer (5) if the data provided is inadequate to take a decision.

141. Shruti has secured admission to MNV University in Chennai for a postgraduate degree in Management. She obtained 65 per cent in the entrance test for the course. She has an Indian passport.
142. Mind has applied and secured admission for a postgraduate degree in Advertising at MIC University Ahmedabad. He has an LIC policy equivalent to the loan amount. He secured 70 per cent in his graduation and is an Indian citizen.
143. Prakash has applied for a postgraduate course in IT and Animation which will commence from January in Kolkata. He has secured admission to the course having obtained 60 per cent in the written entrance test. His uncle who has an account with the bank is willing to stand guarantor.
144. Anil is an Indian Science graduate who has secured admission for a Masters degree in Computer Science from a prestigious Indian University. He stood first in the entrance test with 82 per cent marks. His family is willing to use their house, which is equivalent in value to the loan amount, as security. He will stay with his uncle in Dubai during the course.
145. Nikhil's part time PG Diploma in Management will begin in December. He secured 65 per cent in the All India entrance exam and has secured admission to a college in Mumbai. He has requested a transfer for the duration of the course. He has an LIC policy equivalent to the loan amount. Nikhil holds an Indian passport.
146. Maria secured 75% in the entrance exam to NVT College Pune and has obtained admission. An Indian national she has the necessary property to offer as security for the loan amount. The duration of her undergraduate degree course in Computer Applications is 3 years.

147. Deepa obtained 70 per cent in her engineering entrance exam for her Masters and has secured admission to the college of her choice. She has an LIC policy equivalent in value to the loan amount. Her interview to obtain a visa for her course in the US is on November 25. She is an Indian citizen.
148. Sudhir has applied for a postgraduate degree in Pharmacy at All India Institute at New Delhi. He is an Indian citizen and having secured 60 per cent in his entrance exam, he has been granted admission. He does not have any property to use as security. His father who has an account with the bank is willing to guarantee the loan.
149. Anandi has secured admission for a PG Diploma in Management at a University in Allahabad with 72 per cent in the entrance examination. She has an LIC policy amounting to the loan amount. She is an Indian citizen.
150. Ravi has obtained admission to the Indian Institute of Research at Chandigarh for a Masters in Mathematics offered only to Indian citizens. He secured 68 per cent in the entrance test. He does not have any security against the loan. However his employer who has an account with the bank is willing to guarantee the loan.