

## REASONING ABILITY

**Directions (Q. 101 – 102) :** *In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.*

**Give Answer :**

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

**101. Statement:** "You are hereby appointed as a programmer with a probation period of one year and your performance will be reviewed at the end of the period for confirmation." - A line in an appointment letter.

**Assumptions:**

- I. the performance of an individual generally is not known at the time of appointment offer.
- II. generally an individual tries to prove his worth in the probation period.

**102. Statement:** it is desirable to put the child in school at the age of 5 or so.

**Assumptions:**

- I. at that age the child reaches appropriate level of development and is ready to learn.
- II. the schools do not admit children after six year of age.

**Directions (Q. 103 – 104) :** In each of the following questions, two statements numbered I and II are given. There may be cause and effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements in each question and mark your answer as

- (a) If statement I is the cause and statement II is its effect;
- (b) If statement II is the cause and statement I is its effect;
- (c) If both the statements I and II are independent causes;
- (d) If both the statements I and II are effects of independent causes; and
- (e) If both the statements I and II are effects of some common cause.

**103. Statements:**

- I. The prices of petrol and diesel in the domestic market have remained unchanged for the past few months.
- II. The crude oil prices in the international market have gone up substantially in the last few months.

**104. Statements:**

- I. The government has recently fixed the fees for professional courses offered by the unaided institutions which are much lower than the fees charged last year.
- II. The parents of the aspiring students launched a severe agitation last year protesting against the high fees charged by the unaided institutions.

**Directions (Q. 105 – 106) :** Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

**Give answer:**

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

**105. Statement:** Should India encourage exports, when most things are insufficient for internal use itself?

**Arguments:**

- I. Yes. We have to earn foreign exchange to pay for our imports.
- II. No. Even selective encouragement would lead to shortages.

**106. Statement:** Should all the drugs patented and manufactured in Western countries be first tried out on sample basis before giving licence for sale to general public in India?

**Arguments:**

- I. Yes. Many such drugs require different doses and duration for Indian population and hence it is necessary.
- II. No. This is just not feasible and hence cannot be implemented.

**Directions (Q. 107 – 108) :** Each of the following questions contains a small paragraph followed by a question on it. Read each paragraph carefully and answer the question given below it.

**107.** The attainment of individual and organisational goals is mutually interdependent and linked by a common denominator - employee work motivation. Organisational members are motivated to satisfy their personal goals, and they contribute their efforts to the attainment of organisational objectives as means of achieving these personal goals.

The passage best supports the statement that motivation -

- (a) encourages an individual to give priority to personal goals over organisational goals.
- (b) is crucial for the survival of an individual and organisation.
- (c) is the product of an individual's physical and mental energy.
- (d) is the external force which induces an individual to contribute his efforts.
- (e) makes organisation and society inseparable.

**108.** In the past, consumers would rarely walk into an ice cream store and order low-fat ice cream. But that isn't the case today. An increasing health consciousness combined with a much bigger selection of tasty low-fat foods in all categories has made low-fat ice cream a very profitable item

- This paragraph best supports the statement that
- low-fat ice cream produces more revenue than other low-fat foods.
  - ice cream store owners would be better off carrying only low-fat ice cream.
  - ice cream store owners no longer think that low-fat ice cream is an unpopular item.
  - low-fat ice cream is more popular than other kinds of ice cream.
  - consumers are fickle and it is impossible to please them

**109.** In a certain code language, '3a, 2b, 7c' means 'Truth is Eternal'; '7c, 9a, 8b, 3a' means 'Enmity is not Eternal' and '9a, 4d, 2b, 6b' means 'Truth does not perish'. Which of the following means 'enmity' in that language?

- 3a
- 7c
- 8b
- 9a
- None of these

**110.** In a certain code language K is written as 11 and KEEP is written as 37. How will the word DRAFT be written in that code language?

- 45
- 49
- 46
- 48
- None of these

**Directions (Q. 111 – 115) :** Study the following information carefully and answer the questions given below:

P, Q, R, S, T, V, W and Z are eight friends studying in three different engineering colleges- A, B and C in three disciplines- Mechanical, Electrical and Electronics with not less than two and not more than three in any college. Not more than three of them study in any of the three disciplines. W studies Electrical in college B with only T who studies Mechanical. P and Z do not study in college C and study in same discipline but not Electrical. R studies Mechanical in college C with V who studies Electrical. S studies Mechanical and does not study in the same college where R studies. Q does not study Electronics.

**111.** Which of the following combinations of college-students-specialization is correct ?

- C-R-Electronics
- A-Z-Electrical
- B-W- Electronics
- B-W-Electrical
- B-Z- Electronics

**112.** In which of the following colleges two students study in electrical discipline ?

- A only
- B only
- C only
- Can not be determined
- None of these

**113.** In which discipline does Q study ?

- Electrical
- Mechanical
- Electrical or Mechanical
- Data inadequate
- None of these

**114.** In which of the college at least one students in mechanical discipline ?

- A only
- B only
- C only
- Both A and B
- All A , B and C

**115.** S studies in which college ?

- A
- B
- A or B
- Data inadequate
- None of these

**Directions (Q. 116 – 120) :** In each question below is given a group of letters followed by four combinations of digits / symbols numbered (a), (b), (c) and (d). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and mark the number of that combination as the answer.

Letter : P M A K T I J E R N D F U W B

Digit/Symbol : 7 # 8 % 1 9 2 @ 3 © \$ 4 \* 5 6

**Conditions :**

- If both the first and the last letters of the group are consonants, both are to be coded as the code for the last letter.
- If the first letter is a consonant and the last letter is a vowel, the codes are to be interchanged.

**116.** BDATEE

- 6\$8146
- 6\$814@
- @\$314@
- @\$8146
- None of these

**117.** AWBRND

- \$563©8
- 8563©\$
- 8365©\$
- 8536©\$
- None of these

**118.** EMNTKU

- \*#©1%@
- @#©14\*
- @#©1%\*
- #@©1%\*
- None of these

**119.** MDEAJI

- 1\$@82#
- #@\$821
- 1\$@821
- None of these
- All of these

**120. RKUMFP**

(a) 7%\*#43

(b) 3\*%#47

(c) 3%\*#43

(d) 3%\*#47

(e) None of these

**Directions (Q. 121 – 125):** Each of the question below consists of a question and two statements numbered I and II given below it. you have to decide whether the data provide in the statements are sufficient to answer the questions. Read both the statements and give answer to 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 in statement I alone or in statement II alone are sufficient to answer the question.  
 (d) if the data in both the statement I and II 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.

**121.** How many members belong to Gymkhana club.

- I. There are 50 members which belong to Dine club.  
 II. This year 120 new members have taken membership in Gymkhana Club.

**122.** What was Champa's income in 2001.

- I. Her total income for last three years was ₹ 10000.  
 II. She earned 25% more in 2000 than she earned in 1999.

**123.** Is the number divisible by 8?

- I. The number is divisible by 4.  
 II. The last three digits of the number are zeros.

**124.** Among five colleagues A, B, C, D, E who is the highest salary earner?

- I. B's salary is less than the sum of the salaries of A and C but more than the sum of salaries E and D.  
 II. A's salary is more than that of C who ranks second in the descending order of their salaries.

**125.** What are the dimensions of a certain rectangle?

- I. The diagonal of the rectangle is 7.  
 II. The perimeter of the rectangle is 22.

**Directions (Q. 126 – 130):** Following are the criteria for drawing a list of candidates to be called for interview after written test for "M.B.A." for punjab university. The candidates must

- (i) be holding a degree in commerce/science with 60% marks at graduation level and must be post-graduate with II<sup>nd</sup> division.

(ii) be atleast 25 as on 01.01.02.

(iii) have taken atleast 70% marks in written examination through CAT paper.

(iv) have work experience of minimum of 3 years as management trainee.

(v) be drawing atleast ₹ 7000 salary p m.

(vi) have indian Nationality.

In case of the candidates who satisfies all the conditions except

(vii) (ii) above the case should be referred to Asst. Manager.

(viii) (iv) above, then candidates should have atleast 1 year full experience as a manager in MNC's. Case should be referred to the director.

Based on these conditions provided below, decide the course of action in each case. You are not to assume any data other than those described. If the data provided is not adequate to decide the course of action, then your answer will be data "inadequate."

**Give answer :**

- (a) if the candidate can be admitted for interview.  
 (b) if the candidate cannot be admitted for interview.  
 (c) if the candidate should be referred to Asst. Manager.  
 (d) if the candidate should be referred to the director.  
 (e) if the data given is inadequate to decide course of action.

**126.** Nirmal has been working in a company as a Management trainee for the last 4 and half years. She is a citizen of india. She has secured 67% marks in graduation and 76% marks in the written examination. Her date of birth is 1<sup>st</sup> September, 1975. She is drawing a salary of ₹ 7700 p.m.

**127.** Rahul was born on 1<sup>st</sup> december 1978. He is science garduate with 70% marks and done post-graduation with II<sup>nd</sup> class. He is currently working in a company for last 3 years as management trainee. He is indian. He got 71% in written examination of CAT , drawing 8000 p.m. salary.

**128.** Gaurav has done B.com with 62% marks and post-graduation with II<sup>nd</sup> class. He has been employed from September, 98 and currently drawing salary of ₹ 7000 p.m. He has secured 65% marks in written test of CAT. He is NRI. His date of birth is nov., 73.

**129.** Chandni has done her M.Sc with II<sup>nd</sup> class and graduation in B.com with 72% marks. She is working in a company for the past 1 year. She has also done 1½ year job Manager in M.N.C. She has secured 73% in CAT written examination and running her 27<sup>th</sup> year of age. She is a citizen of india. At present she is drawing a salary of ₹ 7500 p.m.

130. Meena is a 23-year old, got first division in B.com and II<sup>nd</sup> in MSc. She is working in a company for last three year. She has secured a good percentage in written examination and having nationality of india . She is getting salary in 5 digits.

**Directions (Q. 131 – 135):** Read the following information carefully and answer the question given below it :

On a shelf six volumes of cassettes are placed side by side labelled M, N, O, P, Q, R. Three volumes M, P and Q have white covers while the other volumes have red covers. M, P, and N are new volumes while the rest are old volume. M, O and N are English films while the rest are Hindi films.

131. Which two volumes are new English films and have red cover ?

- (a) M and N (b) Q and M  
(c) P and R (d) O and P  
(e) None of these

132. Which volume is old, white covered and a Hindi film ?

- (a) M (b) P  
(c) Q (d) O  
(e) None of these

133. Which of the following is the old volume of a Hindi film ?

- (a) O (b) P  
(c) M (d) R  
(e) None of these

134. Which is the white covered, new English film ?

- (a) M (b) R  
(c) Q (d) N  
(e) None of these

135. Which is red covered old English film of cassette ?

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

136. **Statements :** All the locks are keys. All the keys are bats. Some watches are bats.

**Conclusions :**

- Some bats are locks.
- Some watches are keys.
- All the keys are locks.

- (a) only (1) and (2) (b) Only (1)  
(c) Only (2) (d) Only (1) and (3)  
(e) None of these

137. **Statements :** Some questions are answers. Some answer are writers. All the writers are poets.

**Conclusions :**

- Some writers are answers.

3. All the questions are poets.

4. Some poets are answers.

(a) Only (1) and (2) (b) Only (1) and (4)

(c) Only (1) and (3) (d) Only (2) and (4)

(e) None of these

138. **Statements :** All the books are papers. Some papers are journals. Some journals are calendars.

**Conclusions :**

- Some journals are books.
- Some calendars are papers.
- Some books are journals.
- Some books are calendars.

(a) Only (1) (b) Only (2)

(c) Only (3) (d) Only (4)

(e) None of these

139. **Statements :** Some cars are jeeps. All the boxes are jeeps. All the pens are cars.

**Conclusions :**

- Some cars are boxes.
- No pen is jeep.
- Some boxes are cars.

(a) None of three

(b) Only (1) and (2)

(c) Only (1) and (3)

(d) Only (2) and (3)

(e) None of these

140. **Statements :** Some envelops are gums. Some gums are seals. Some seals are adhesives.

**Conclusions :**

- Some envelopes are seals.
- Some gums are adhesives.
- Some adhesives are seals.
- Some adhesives are gums.

(a) Only (3) (b) Only (1)

(c) Only (2) (d) Only (4)

(e) None of these

**Directions (Q. 141 – 145):** In the following questions, the symbols @, #, © and % are used with the following meaning as illustrated below :

'P \$ Q' means 'P is not smaller than Q'.

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

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

'P % Q' means 'P is not greater than Q'.

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

Now in each of the following questions assuming the given statements to be true, find which of the four conclusions I, II, III and IV given below them is/are

**141. Statements :**

R # J, J \$ D, D @ K, K % T

**Conclusions :**

I. T # D

II. T @ D

III. R # K

IV. J \$ T

- (a) Only either I or II is true  
 (b) Only III is true  
 (c) Only III and IV are true  
 (d) Only either I or II and III are true.  
 (e) None of these

**142. Statements :**

T % R, R \$ M, M @ D, D © H

**Conclusions :**

I. D % R

II. H # R

III. T © M

IV. T % D

- (a) Only I is true  
 (b) Only I and IV are true  
 (c) Only I and II are true  
 (d) Only II and IV are true  
 (e) None of these

**143. Statements :**

M @ B, B # N, N \$ R, R © K

**Conclusions :**

I. K # B

II. R © B

III. M \$ R

IV. N © M

- (a) Only I and III are true  
 (b) Only I and II are true  
 (c) Only II and IV are true  
 (d) Only II, III and IV are true  
 (e) None of these

**144. Statements :**

F # H, H @ M, M © E, E \$ J

**Conclusions :**

I. J © M

II. E # H

III. M © F

IV. F # E

- (a) Only I and II are true  
 (b) Only II and III are true  
 (c) Only I, II and III are true  
 (d) Only II, III and IV are true

**145. Statements :**

D % A, A @ B, B © K, K % M

**Conclusions :**

I. B \$ D

II. K # A

III. M # B

IV. A © M

- (a) Only I, II and IV are true  
 (b) Only I, II and III are true  
 (c) Only II, III and IV are true  
 (d) Only I, III and IV are true  
 (e) All I, II, III and IV are true

**Directions (Q. 146 – 150) :** Study the following information carefully and answer the given questions :

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

Input : gone over 35 69 test 72 park 27

Step I : 27 gone over 35 69 test 72 park

Step II : 27 test gone over 35 69 72 park

Step III : 27 test 35 gone over 69 72 park

Step IV : 27 test 35 park gone over 69 72

Step V : 27 test 35 park 69 gone over 72

Step VI : 27 test 35 park 69 over gone 72

Step VII : 27 test 35 park 69 over 72 gone

and Step VII is the last step of the rearrangement of the above input as the desired arrangement is obtained.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

**146.** Input : 86 open shut door 31 49 always 45

How many steps will be required to complete the rearrangement ?

- (a) Five (b) Six  
 (c) Seven (d) Four  
 (e) None of these

**147.** Step III of an Input : 25 yes 37 enemy joy defeat 52 46

Which of the following is definitely the input ?

- (a) enemy 25 joy defeat yes 52 37 46  
 (b) 37 enemy 25 joy yes defeat 52 46  
 (c) enemy joy defeat 25 52 yes 46 37  
 (d) Cannot be determined  
 (e) None of these

**148.** Step II of an Input : 18 win 71 34 now if victory 61  
How many more steps will be required to complete the rearrangement ?

(a) Three (b) Four

(c) Five (d) Six

(e) More than six

**149.** Input : where 47 59 12 are they going 39

Which of the following steps will be the last but one ?

(a) VII (b) IV

(c) V (d) VIII

(e) None of these

**150.** Step II of an Input : 33 store 81 75 full of goods 52

Which of the following will be step VI ?

(a) 33 store 52 of 75 81 full goods

(b) 33 store 52 of 75 full 81 goods

(c) 33 store 52 of 75 goods 81 full

(d) There will be no such step

(e) None of these