LOGIC SECTION

In the question below are given three statements followed by the conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q1. Statements:
Some Peanut are not Pink.
All Pink are Dull.
Only a few Dull are Shiny.
Conclusions:
I. Some Pink are Shiny.
II. No Pink are Shiny.
(a) Only I follows
(b) Only II follows
(c) Either I or II follows
(d) Neither I nor II follows
(e) Both I and II follow

In the question below are given three statements followed by the conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q2. Statements:
Only a few Grapes are Plum.
All Plums are Cabbage.
No Cabbage are Mint.
Conclusions:
I. Some Grapes are not Plums.
II. Some Plums can never be Mint.
(a) Only I follows
(b) Only II follows
(c) Either I or II follows
(d) Both I and II follow

Study the following information carefully and answer the given questions:
In a certain code language
'rabbit is very carrot' is written as 'jla jta jja jsa',
'love drinks are rabbit' is written as 'jja jpa jra jda'
'pigeon is very love' is written as 'jda jta jfa jla'.

Q3. What is the code for 'carrot'?
(a) jsa
(b) jda
(c) jja
(d) jla

Q4. 'rabbit love pigeon' can be coded as
(a) jsa jja jra
(b) jfa jja jda
(c) jda jra jta
(d) Can't be determined

Q5. What is the code for 'drinks'?
(a) jra
(b) jpa
(c) Either jra or jpa
(d) jda

Study the following information carefully and answer the questions given below.
Eight persons were born on two different dates either 22nd or 25th of the same year (that is not a leap year) but in different month- January, February, March and April. G is younger than F. H was born in the month which have even number of days and on even number date. Only two persons was born in between B and E. C was born on 25th of the month which have even numbers of days. Not more than three persons were born before D. A is the third youngest person in the group. E was born in the month which have 31 days. D is younger than H. G was born in the month which have even numbers of days. More than three persons was born in between B and G.

Q6. Who among the following was born on 22nd March?
(a) H
(b) G
(c) E
(d) F

Q7. How many persons were born after B?
(a) Six
(b) Five
(c) Three
(d) One

Q8. Which of the following pair of persons was born in February?
(a) A-B
(b) D-F

(c) G-C
(d) H-D

Q9. Pointing toward a girl, Neha said, "she is the sister of the only son of my father's wife", How Neha related to that girl?
(a) Cousin
(b) Niece
(c) Daughter
(d) Sister

Q10. If 'M × N' means 'M is the daughter of N', 'M + N' means 'M is the father of N', 'M ÷ N' means 'M is the mother of N' and 'M – N' means 'M is the brother of N', then in the expression R ÷ Z + M – U × X, how is R related to X?
(a) None of these
(b) Aunt
(c) Sister-in-law
(d) Daughter-in-law

Q11. A person starts walking from point X in east direction and walks 18m to reach at point Z, from point Z he walks 4m in north direction to reach at point U. Point U is 6m east of point R, which is 8m south of point T. What is the direction of his starting point with respect to T?
(a) East
(b) North-West
(c) South-West
(d) North

Q12. If all the letters in the word PAINTBALL are arranged in alphabetical order from left to right in such a way that vowels are arranged first followed by consonants, then how many letters are there in between I and N after the arrangement?
(a) Two
(b) Three
(c) None
(d) One

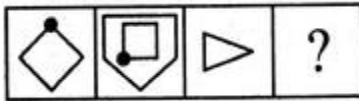**Q13. Which of the following elements should come in a place '?' ?**
JK12 LM14 NO16 PQ18 ?
(a) ST21
(b) RS20
(c) TU22
(d) UV23

Q14. Sumit is 18th from the left end of a row and Adarsh is 10th from the right end of row. If they interchanged their positions then adarsh ranks become 22 from right end. Find total number of persons in the row?
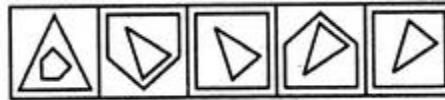(a) 40
(b) 39
(c) 38
(d) 41

15. Select a suitable figure from the Answer Figures that would replace the question mark (?).
Problem Figures: Answer Figures:

   (A)   (B)   (C)   (D)   (1)   (2)   (3)   (4)   (5)

A. 1

B. 2

C. 3

D. 4

16. Choose the figure which is different from the rest.

   (1)   (2)   (3)   (4)   (5)

A. 1

B. 2

C. 3

D. 4

17. Statement:
The Institute has fixed for the investors a validity period of one year for transfer forms for some of its listed schemes.

Courses of Action:
I. The Institute should consult investors before fixing the duration of validity period.

II. The investors should be duly informed about the validity period.
III. List of schemes covered under this validity period should be communicated.

A. Only I and II follow
B. Only III follows
C. Only II and III follow
D. Only I and III follow

18. Statement:

The head of the organization congratulated the entire staff in his speech for their sincere effort to bring down the deficit and urged them to give their best for attaining a more profitable position in future.

Assumptions:

I. The employees may get motivated and maintain and if possible enhance their present level of work.
II. The employees may now relax and slow down in their day to day work as there is no immediate threat of huge deficit.

A. Only assumption I is implicit
B. Only assumption II is implicit
C. Either I or II is implicit
D. Neither I nor II is implicit

19. Statements:

Wind is an inexhaustible source of energy and an aerogenerator can convert it into electricity. Though not much has been done in this field, the survey shows that there is vast potential for developing wind as alternative source of energy.

Conclusions:

I. Energy by wind is comparatively newly emerging field.
II. The energy crisis can be dealt by exploring more in the field of aero-generation.

A. Both I and II follow
B. Only conclusion II follows
C. Either I or II follows
D. Neither I nor II follows

20. Find out the wrong number in the series.

7, 8, 18, 57, 228, 1165, 6996
A. 8
B. 18
C. 57

D. 228