

REASONING QUESTION

SET 8

DIRECTIONS for the question 1 to 20: In each of the questions given below, there are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes provided below:

1. Both A and R are true and R is the correct explanation of A.
2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false.
4. A is false but R is true.
5. Both A and R are false.

Q1. Assertion (A): When lightning strikes, the sound is heard a little after the flash is seen.

Reason (R): The velocity of light is greater than that of the sound.

Q2. Assertion (A): A ship rises as it enters the sea from a river.

Reason (R): The density of sea water is higher as compared to river water.

Q3. Assertion (A): Indian President is the head of the State.

Reason (R): Indian Parliament consists of the President, Lok Sabha and Rajya Sabha.

Q4. Assertion (A): The British sovereignty continued to exist in f India.

Reason (R): The British sovereign appointed the last Governor-General of free India

Q5. Assertion (A): Sprouting should not be done before consuming the grains.

Reason (R): Sprouting kills many vital vitamins.

Q6. Assertion (R): Alcohol rather than mercury is used in a thermometer to measure a temperature of 60oC.

Reason (R): Alcohol has a lower freezing point than mercury.

Q7. Assertion (A): Pipes carrying water often burst in cold countries during severe winter.

Reason (R): Water expands on freezing.

Q8. Assertion (A): An electric bulb makes a 'bang' when it is broken.

Reason (R): The air inside the bulb rushes out immediately on breaking.

Q9. Assertion (A): Salt is an ingredient used to cook food at higher altitudes.

Reason (R): Temperature is lower at higher altitudes.

Q10. Assertion (A): Carbon monoxide when inhaled causes death.

Reason (R): Carbon monoxide combines with hemoglobin

Q11. **Statement:** The sale of a particular product has gone down considerably causing great concern to the company.

Courses of Action:

- I. The company should make a proper study of rival products in the market.
- II. The price of the product should be reduced and quality improved.

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

Q12. **Statement:** The Asian Development Bank has approved a \$285 million loan to finance a project to construct coal ports by Paradip and Madras Port Trusts.

Courses of Action:

- I. India should use financial assistance from other international financial organisations to develop such ports in other places.
- II. India should not seek such financial assistance from the international financial agencies.

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

Q13. **Statement:** Doordarshan is concerned about the quality of its programmes particularly in view of stiff competition it is facing from STAR and other satellite TV channels and is contemplating various measures to attract talent for its programmes.

Courses of Action:

- I. In an effort to attract talent, the Doordarshan has decided to revise its fee structure for the artists.
- II. The fee structure should not be revised until other electronic media also revise it.

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

Q14. **Statement:** The Minister said that the teachers are still not familiarised with the need, importance and meaning of population education in the higher education system. They are not even clearly aware about their role and responsibilities in the population education programme.

Courses of Action:

- I. Population education programme should be included in the college curriculum.
- II. Orientation programme should be conducted for teachers on population education

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 follows

Q15. **Statement:** A recent study shows that children below five die in the cities of the developing countries mainly from diarrhoea and parasitic intestinal worms.

Courses of Action:

- I. Governments of the developing countries should take adequate measures to improve the hygienic conditions in the cities.
- II. Children below five years in the cities of the developing countries need to be kept under periodic medical check-up.

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

Q16. **Statement:** The kharif crops have been affected by the insects for consecutive three years in the district and the farmers harvested less than fifty percent of produce during these years.

Courses of Action:

- I. The farmers should seek measures to control the attack of insects to protect their crops next year.
- II. The Government should increase the support price of kharif crops considerably to protect the economic interests of farmers.

- 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

Q17. **Statement:** The car dealer found that there was a tremendous response for the new XYZ's car-booking with long queues of people complaining about the duration of business hours and arrangements.

Courses of Action:

- I. People should make their arrangement of lunch and snacks while going for car XYZ's booking and be ready to spend several hours.
- II. Arrangement should be made for more booking desks and increased business hours to serve more people in less time.

- 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

Q18. **Statement:** The State Government has decided to declare 'Kala Azar' as a notifiable disease under the Epidemics Act. Family members or neighbours of the patient are liable to be punished in case they did not inform the State authorities.

Courses of Action:

- I. Efforts should be made to effectively implement the Act.

II. The cases of punishment should be propagated through mass media so that more people become aware of the stern actions.

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

Q19. **Statement:** The Chairman stressed the need for making education system more flexible and regretted that the curriculum has not been revised in keeping with the pace of the changes taking place.

Courses of Action:

I. Curriculum should be reviewed and revised periodically.

II. System of education should be made more flexible.

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 follows

Q20. **Statement:** The Central Bureau of Investigation receives the complaint of an officer taking bribe to do the duty he is supposed to.

Courses of Action:

I. CBI should try to catch the officer red-handed and then take a strict action against him.

II. CBI should wait for some more complaints about the officer to be sure about the matter.

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

Directions: Study the following information carefully and answer the given questions.

In number arrangement machine when given an input line of numbers, it rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: 75 14 56 27 48 31 64 97 28 57

Step I: 72 75 56 48 31 64 97 28 57 15

Step II: 13 72 75 56 48 64 97 57 15 29

Step III: 75 13 72 75 56 64 97 15 29 49

Step IV: 57 75 13 72 64 97 15 29 49 57

Step V: 79 57 75 13 72 15 29 49 57 65

As per rules followed in the given steps, find appropriate step for given Input.

Input: 86 12 53 22 45 19 32 29 74 93

Q21. Which of the following is the fifth step for input?

- A. 39 35 54 33 75 87 92 91 13 23
- B. 39 35 33 75 87 54 92 91 13 23
- C. 39 91 13 23 33 35 54 92 75 87
- D. 39 35 23 33 54 92 91 13 75 87
- E. 39 35 54 92 91 13 23 33 75 87

Q22. Which of the following elements lies exactly between 91 and 32 in step II?

- A. 13
- B. 86
- C. 53
- D. 23
- E. 74

Q23. What is 4th element from right end in Step IV?

- A. 13
- B. 91
- C. 86

D. 93

E. 54

Q24. Which is the following step?

Step: 54 92 91 86 53 74 93 13 23 33

A. VI

B. III

C. IV

D. V

E. There is no such step

Q25. Which of the following is the last step of above input?

A. III

B. VI

C. IV

D. V

E. None of these

Directions: Study the following information carefully and answer the given questions.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement.

Input: news 61 below 77 after round 98 sound element 83 64

Step 1: 61 news below 77 after round 98 sound element 83 64

Step 2: 61 83 news below 77 after round 98 sound element 64

Step 3: 61 83 after news below 77 round 98 sound element 64

Step 4: 61 83 after element news below 77 round 98 sound 64

Step 5: 61 83 after element 77 news below round 98 sound 64

Step 6: 61 83 after element 77 below news round 98 sound 64

Step 7: 61 83 after element 77 below news round sound 98 64

Step 8: 61 83 after element 77 below news round sound 64 98

And step 8 is the last step of the above input. As per the rules followed in the above step, find out the appropriate step for the given output.

INPUT: emit random 23 violence 19 speaker 39 expert 33 award 28

Q26. Which of the following would be at the ninth position from the left end in step 6?

- A. 33
- B. violence
- C. expert
- D. 39
- E. 28

Q27. Which step number would be the following output?

19 23 award emit expert 33 39 random violence speaker 28

- A. Step 7
- B. Step 6
- C. Step 5
- D. Step 4
- E. None of these

Q28. Which element is exactly between the fifth from left and fifth from right in step 5?

- A. random
- B. 33
- C. Expert
- D. violence
- E. None of these

Q29. What is the position of “expert” in the step 6?

- A. Seventh from the left
- B. Sixth from the left
- C. Fifth from the left
- D. Sixth from the right
- E. None of these

Q30. In step 7, what is the sum of first element from right end and sixth element from the left end?

- A. 51
- B. 67
- C. 61
- D. 72
- E. 62

Directions: Study the following information carefully and answer the questions given below:

A machine rearrangement given an input line having both words and numbers in a particular set of rules in step by step. The following is an illustration of input and its rearrangement.

Input: match 63 cricket 47 17 bat 96 squads 24 division

Step I: cbu match 63 cricket 47 17 squads 24 division 95

Step II: 18 cbu match 63 cricket 47 squads 24 95 chuhrhnm

Step III: nbudi 18 cbu cricket 47 squads 24 95 chuhrhnm 62

Step IV: 25 nbudi 18 cbu 47 squads 95 chuhrhnm 62 bqhbjs

Step V: trvbf 25 nbudi 18 cbu 95 chuhrhnm 62 bqhbjs 46

As per rules followed in the given steps, find appropriate step for given Input.

Input: 94 squats 81 expected 13 back 34 present 67 start

**Q31. Which of the following step represent the following output
14 cbdl squats 81 34 present 67 start 93 dwodbsd?**

- A. Step V
- B. Step I
- C. Step III
- D. Step II
- E. None of these

Q32. Which of the following is fourth element from the left in second last step?

- A. cbdl
- B. squats
- C. tubsu
- D. dwodbsdc

E. None of these

Q33. What is the difference between second element from the left end in step V and second element from the right end in step II?

A. 56

B. 49

C. 47

D. 58

E. None of these

Q44. How many elements are there between 14 and present in step III?

A. Four

B. One

C. Three

D. Two

E. None of these

Q35. Which of the following element is fourth to the left of second from the right end in step IV?

A. 34

B. squats

C. cddl

D. 93

E. None of these

Directions: 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.

Input: fire 76 for 53 fauna 14 favour 27 freedom 36

Step 1: 78 fauna fire for 53 14 favour 27 freedom 36

Step 2: 51 favour 78 fauna fire for 14 27 freedom 36

Step 3: 38 freedom 51 favour 78 fauna fire for 14 27

Step 4: 25 fire 38 freedom 51 favour 78 fauna for 14

Step 5: 16 for 25 fire 38 freedom 51 favour 78 fauna

Step 5 is the last step. Find the different steps of output using the above

mentioned logic for the following input.

Input: prison 24 pirates 61 proxy 70 prone 53 prejudice 17

Q36. In which of the following steps 'prison 59 pirates' is seen in the same sequence for the first time?

- A. Step 1
- B. Step 3
- C. Step 2
- D. Step 5
- E. Step 4

Q37. Which of the following comes exactly between 'prone' and 'pirates' in step 4?

- A. prison
- B. 51
- C. 53
- D. All of these
- E. None of these

Q38. Which of the following is third to the right of the one which is third from the left end in step1?

- A. pirates
- B. 53
- C. prone
- D. 61
- E. proxy

Q39. Which of the following steps is the step 3 of the given input?

- A. 51 prone prison 59 pirates 72 prejudice 24 proxy 17
- B. 59 pirates 72 prejudice prison 24 proxy prone 53 17
- C. 51 prison 59 pirates 72 prejudice 24 proxy prone 17
- D. prison 59 pirates 72 prejudice 24 proxy 51 prone 17
- E. None of these

Directions: 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 an input and rearrangement.

Input: hot 15 air fly 79 38 cat 98
 Step I: zri hot fly 79 38 cat 98 52
 Step II: xzg zri hot fly 79 98 52 84
 Step III: uob xzg zri hot 98 52 84 98
 Step IV: slg uob xzg zri 52 84 98 90

and Step IV is the last step of the rearrangement of the above input. As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input for the question:

Input: toy 85 star 17 26 moon earth 61 cat 53

Q40. Which of the following would last but one step?

- A. glb hgzi nllm vzigz xzg 72 63 36 17 59
- B. vzigz xzg toy 85 star moon 61 53 72 63
- C. xzg toy 85 star 26 moon earth 61 53 72

	0	1	2	3	4
0	A	R	S	N	C
1					
2					
3					
4					
5	O	E	L	P	T
6	T	O	E	L	P
7	P	T	O	E	L
8	L	P	T	O	E
9	E	L	P	T	O

only by a group of numbers, as shown in the options are mentioned by two given below. The no. of rows & columns in II are 5-9. A letter can be defined using the 'A' can be defined by 00, 12, 23 etc. & 'P' by numbers for the given word.

Q.1. PAST

- (A) 75, 21, 14, 65
- (B) 86, 12, 31, 76

(C) 58, 41, 12, 67

(D) 88, 77, 41, 67

[Show Answer](#)

Q.2. RATE

(A) 13, 12, 98, 67

(B) 42, 23, 56, 76

(C) 30, 14, 95, 89

(D) 24, 43, 89, 95

[Show Answer](#)

Q.3. POET

(A) 69, 88, 67, 65

(B) 75, 55, 65, 67

(C) 77, 88, 98, 89

(D) 21, 67, 76, 78

[Show Answer](#)

Q.4. NEST

(A) 32, 56, 20, 89

(B) 10, 65, 41, 76

(C) 32, 76, 34, 98

(D) 21, 67, 14, 59

[Show Answer](#)

Q.5. PEST

(A) 97, 89, 34, 59

(B) 58, 67, 43, 98

(C) 57, 59, 31, 98

(D) 68, 95, 31, 76

[Show Answer](#)

	0	1	2	3	4
	5	6	7	8	9
5	O	P	R	S	T
6	S	T	O	P	R
7	P	R	S	T	O
8	T	O	P	R	S
9	R	S	T	O	P

A word is mentioned only by a group of numbers, as shown in one of the options mentioned only by a group of numbers, as shown in one of the options mentioned by two classes of numbers. The no. of rows & columns in Matrix I are 5-9. A letter can be defined using the no. of row & column. e.g. 'E' can be defined by 20, 32 etc. Find the word FIRE.

- (A) 21, 22, 88, 33
- (B) 14, 10, 69, 14
- (C) 33, 34, 76, 22
- (D) 02, 03, 57, 01

[Show Answer](#)

Q 7 A word is mentioned only by a group of numbers, as shown in one of the

	0	1	2	3	4
0	M	L	F	H	B
	5	6	7	8	9
5	L	K	S	U	N
6	U	N	I	K	S
7	K	S	U	N	I
8	N	I	K	S	U
9	S	U	N	I	K

options are mentioned by two classes of numbers. The no. of rows & columns in Matrix I are 5-9. A letter can be defined using the no. of row & column. e.g. 'E' can be defined by 02, 14, 33 etc. & 'K' by 56, 68, 76 etc. Find the word BUSH.

- (A) 22, 77, 57, 23
- (B) 23, 77, 57, 22
- (C) 23, 77, 56, 22
- (D) 23, 77, 57, 21

[Show Answer](#)

Q.9. A word is mentioned only by a group of numbers, as shown in one of the options are mentioned by two classes of numbers. The no. of rows & columns in Matrix I is 6. A letter can be defined using the no. of rows & columns in Matrix II. A letter can be defined by 10, 42 etc. & 'R' by 55,69 etc. Find the given word SLEEP.

	0	1	2	3	4
0	P	U	L	S	E
	5	6	7	8	9
5	R	A	D	I	O
6	A	D	I	O	R
7	D	I	O	R	A
8	I	O	R	A	D
9	O	R	A	D	I

- (A) 44, 11, 40, 31, 41
- (B) 30, 20, 31, 30, 41
- (C) 30, 34, 40, 22, 44
- (D) 44, 43, 31, 22, 95

	0	1	2	3	4
0	A	B	C	D	E
	5	6	7	8	9
5	K	L	M	N	O
6	O	N	L	K	M
7	L	O	K	M	N
8	N	M	O	L	K
9	M	K	N	O	L

Q.10. A word is mentioned only by a group of numbers, as shown in one of the options are mentioned by two classes of numbers. The no. of rows & columns in Matrix I is 6. A letter can be defined using the no. of rows & columns in Matrix II. A letter can be defined by 00, 13 etc. & 'K' by 55, 68 etc. Find the given word DEMO.

- (A) 24, 32, 57, 65
- (B) 11, 21, 69, 13
- (C) 24, 32, 78, 03
- (D) 42, 32, 78, 55

[Show Answer](#)

Q 10 A word is mentioned only by a group of numbers, as shown in one of the

	0	1	2	3	4
0	F	O	M	S	R

ons are mentioned by two classes of

	0	1	2	3	4
0	A	S	U	E	O
1	U	O	E	S	A
2	S	A	O	U	E
3	E	U	A	O	S
4	O	E	S	A	U

w. The no. of rows & columns in Matrix I

). A letter can be defined using the no. of

be defined by 55, 67 etc. & 'R' by 23, 30

r the given word DART following the above

(A) 69, 67, 11, 86

(B) 76, 86, 03, 87

(C) 57, 55, 04, 56

(D) 95, 98, 42, 65

Q41. B

Q41. B

Q41. B