# REASONING TEST - 01

**1.** What is the next number in the series 2, 5, 9, 14, 20, ?
(a) 25     (b) 26     (c) 27     (d) 28

**2.** Father's age is 4 times that of his son. 5 years back, it was 7 times. His age now is
(a) 30     (b) 35     (c) 40     (d) 45

**3.** What is the next number in the series

        53, 48, 50, 50, 47, ?
(a) 51     (b) 46     (c) 53     (d) 52

**4.** In a row of 40 boys, Satish was shifted 10 places to the right of Rohan and Kewal was shifted 10 places to the left of Vilas. If Vilas was twenty-sixth from the left and there were three boys between Kewal and Satish after shifting, what was the position of Rohan in the row?
(a) 10th from the right end    (b) 10th from the left end
(c) 39th from the right end    (d) Data inadequate

**5.** If VICTORY is coded as YLFWRUB, how can SUCCESS be coded
(a) VXEEIVV            (b) VXFFHVV
(c) VYEEHVV            (d) VYEEIVV

**6.** If BEAUTY is coded as YVZFGB then CHARM is coded as
(a) XSINZ    (b) XSZIN    (c) ZINSX    (d) BGZQL

**Direction for (Questions 7 to 9) :** Read the passage given below and solve the questions based on it.

     There are six movies - A, B, C, D, E and F - to be showed in a film festival. B, C and E are art movies and others are commercial movies. Only F and D are Hindi movies and the remaining movies are English movies. Movies A, C and D are made by Jagmohan Mundhra and movies B, E and F are made by Steven Spielberg.

**7.** Which English movie is a commercial movie?
(a) A     (b) B     (c) C     (d) D

**8.** Which Hindi movie is made by Jagmohan Mundhra?
(a) A     (b) B     (c) C     (d) D

**9.** Which of the English movies is/are art movies made by Steven Spielberg?
(a) B      (b) B and C    (c) C      (d) B and E

**Direction for (Questions 10 and 11) :** Read the following passage and solve the questions based on it.
     There are five rooms in my house in Patna - a hall, kitchen, study room, bedroom, bedroom and dining room.

(i) Whenever the kitchen light is 'on' , the study room light is 'off'.

(ii) Whenever the dining room light is 'on' the kitchen light is also 'on'.

(iii) Wherever the study room light is 'on' , the hall light has to be 'on'.

**10.** Which one of the following combinations cannot be 'on' at the same time?

(a) dinning room and kitchen      (b) hall and bedroom
(c) dinning room and study room   (d) kitchen and hall

**11.** How many lights, at the most, can be 'on' simultaneously?
(a) 5     (b) 4     (c) 3     (d) 2

**12.** Sangeeta remembers that her father's birthday was certainly after eighth but before thirteenth of December. Her sister Natasha remembers that their father's birthday was definitely after ninth but before fourteenth of December. On which date of December was their father's birthday?
(a) 10th               (b) 11th
(c) 12th              (d) Data inadequate

**13.** A certain number of horses and an equal number of men are going somewhere. Half of the owners are on their horses' back while the remaining ones are walking along leading their horses. If the number of legs walking on the ground is 70, how many horses are there?

(a) 10     (d) 12     (c)14     (d) 16

**14.** If A interchanges position with B, similarly C and D interchange positions and so as E and F and so on upto Y and Z, then which of the following will be seventh from the left?

(a) A     (d) F     (c) I     (d) None

**15.** I go 10 m to the east, then I turn left and go 5 m, I turn left again and go 10 m and then again I turn left and go 10 m. In which direction am I from the starting point ?
(a) North    (b) South    (c) East    (d) West

**Direction (16-17) :**
Given answer
(a) if only conclusion I follows
(b) if only conclusion II follows
(c) if either I or II follows
(d) if neither I nor II follows

**16.** Statements :      Some foods are sweet.
                   Some foods are sour.

     Conclusion I :    All foods are either sweet or sour.
             II :    Some sweet are sour.

**17.** Statements :      All dogs are Cats.
                   Some Cats are tigers.

     Conclusion I :    Some dogs are tigers.
             II :    No dogs are tigers.

**Direction for (Questions 18 and 19) :** Read the following statement and solve the questions based on them.
(i) Seema is Raju's grandmother
(ii) Ganesh is Raju's Father
(iii) Arun is Seema's sister

(iv) Pratibha is Ganesh's wife

(v) Arun is not Ganesh's aunt

**18.** What is Seema's daughter Devaki to Raju?
(a) mother          (b) paternal aunt
(c) materal aunt     (d) father's aunt

**19.** Pratibha is Arun's
(a) sister          (b) sister-in-law
(c) maternal uncle   (d) niece

**20.** If P + Q means P is the mother of Q, $P \div Q$ means P is the father of Q, P – Q means P is the sister of Q. Then which of the following relationship shows that M is the daughter of R ?

(a) $R \div M + N$          (b) $R + N \div M$
(c) $R - M \div N$          (d) Data inadequate

**21.** Pointing to a man in a photograph, a man said to a woman, " His mother is the only daughter of your father." How is the woman related to the man in the photograph?
(a) Sister          (b) Mother
(c) Wife           (d) Daughter

**Direction for (Questions 22 to 26) :** Read the following information carefully and answer the questions that follow

In a school, there were five teachers. A and B were teaching Hindi and English. C and B were teaching English and Geography. D and A were teaching Mathematics and Hindi. E and B were teaching History and French.
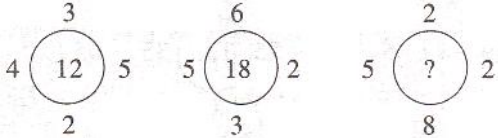
**22.** Who among the teachers was teaching maximum number of subjects ?
(a) A        (b) B        (c) C        (d) D

**23.** Which of the following pairs was teaching both Geography and Hindi ?
(a) A and B          (b) B and C
(c) C and A          (d) None of these

**24.** More than two teachers were teaching which subject ?
(a) History          (b) Hindi
(c) French           (d) Geography

**25.** D, B and A were teaching which of the following subjects?
(a) English only      (b) Hindi and English
(c) Hindi only        (d) English and Geography

**26.** Who among the teachers was teaching less than two subjects ?
(a) A                (b) D
(c) B                (d) There is no such teacher

**Direction for (Questions 27 to 29) :** Read the information carefully and answer the questions based on it.

Five persons are sitting in a row. One of the two persons at the extreme ends is intelligent and other one is fair. A fat person is sitting to the right of a weak person. A tall person is to the left of the fair person and the weak person is sitting between the intelligent and the person.

**27.** Tall person is at which place counting from right ?
(a) First          (b) Second
(c) Third          (d) Fourth

**28.** Person to the left of weak possesses which of the following characteristics ?
(a) Intelligent          (b) Fat
(c) Fair                (d) Tall

**29.** Which of the following persons is sitting at the centre ?
(a) Intelligent          (b) Fat
(c) Fair                (d) Weak

**30.** If + means 'multiplication', × means 'minus', – means 'division' and ÷ means 'plus', then $\dfrac{(36 \times 4) - 8 \times 4}{4 + 8 \times 2 + 16 \div 1}$ is

(a) 1     (b) 0     (c) $\dfrac{13}{5}$     (d) None

**31.** A lady walks 2 kms South, turned right and walked 1/2 km again she turned North and walked 5 kms, turned East and walked 4.5 kms. How far is the from the starting point ?
(a) 3 kms     (b) 4.5 kms     (c) 5 kms     (d) 6 kms

**32.** If P denotes +, Q denotes –, R denotes ÷ , and S denotes ×, then 18 S 36 R 12 Q 6 P 7 is

(a) 115     (b) 55     (c) $\dfrac{648}{13}$     (d) 25

In questions 33 there are three circle with four numbers out side them. While in the first two circles a number has been filled according a rule, in the third circle the mark ? is given.
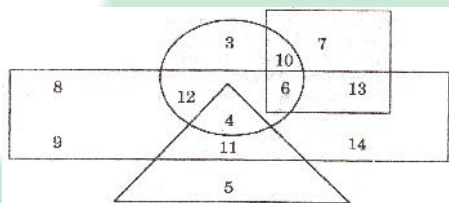
**33.**

3   4 (12) 5   2     6   5 (18) 2   3     2   5 (?) 2   8

(a) 12     (b) 14     (c) 16     (d) 18

**34.** If 'Book' is called 'Watch', 'Watch' is called 'Bag', 'Bag' is called 'Dictionary' and 'Dictionary' is called 'Window', which is used to carry the books ?
(a) Dictionary          (b) Bag
(c) Book                (d) Watch

**35.** Fill up the right letter for question mark (?)

XYZ, CBA, UVW, FED, ?
(a) RST     (b) GHI     (c) HIJ     (d) STU

**36.** A total of 324 coins of 20 paise and 25 paise make a sum of Rs. 71. The number of 25-paise coins is ?
(a) 120     (b) 124     (c) 144     (d) 200

**37.** In a family, each daughter has the same number of brothers as she has sisters and each son has twice as many sisters as he has brothers. How many sons are there in the family ?

(a) 2            (b) 3

(c) 4            (d) 5

**Directions (Q. 38 to Q.40) :**

**The following questions are based on the diagram given below :**



(1) Rectangle represents males.

(2) Triangle represents educated.

(3) Circle represents urban.

(4) Square represents civil servants.

**38.** Who among the following is only a civil servant but not a male nor urban oriented and uneducated ?

(a) 7     (b) 8     (c) 9     (d) 14

**39.** Who among the following is a male, urban oriented and also a civil servant but not educated ?

(a) 13     (b) 12     (c) 6     (d) 10

**40.** Who among the following is a male civil servant, who is neither educated nor belongs to urban area ?

(a) 7     (b) 13     (c) 4     (d) 1

## ANSWER KEY(REASONING TEST-01)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **1.** (c) | **2.** (c) | **3.** (d) | **4.** (d) | **5.** (b) | **6.** (b) | **7.** (a) | **8.** (d) | **9.** (d) | **10.** (c) |
| **11.** (c) | **12.** (d) | **13.** (c) | **14.** (d) | **15.** (b) | **16.** (d) | **17.** (b) | **18.** (c) | **19.** (d) | **20.** (a) |
| **21.** (b) | **22.** (b) | **23.** (d) | **24.** (b) | **25.** (c) | **26.** (d) | **27.** (b) | **28.** (a) | **29.** (b) | **30.** (b) |
| **31.** (c) | **32.** (b) | **33.** (c) | **34.** (a) | **35.** (a) | **36.** (b) | **37.** (b) | **38.** (a) | **39.** (c) | **40.** (b) |