

## Mental Ability Question & Answers

1. Select the related word/ letters/ number from the given alternatives.

Psychology : Human Being :: Ornithology : ?

- a. Birds
- b. Volcanoes
- c. Insects
- d. Reptiles

Ans. (a.)

**Explanation:** Psychology is the scientific study of the human mind and its functions, whereas Ornithology is the scientific study of birds.

2. Select the related word/letters/number from the given alternatives.

EGIK : FHJL :: MOQS : ?

- a. LNOQ
- b. NPRT

c. KMOQ

d. NRPT

**Ans. (b.)**

**Explanation:** EGIK -----(+1)(+1)(+1)(+1)-----> FHJL;

MOQS -----(+1)(+1)(+1)(+1)-----> NPRT;

**3. Select the related word/letters/number from the given alternatives.**

**147 : 741 :: 869 : ?**

a. 896

b. 968

c. 689

d. 986

**Ans. (b.)**

**Explanation:** 741 is the reverse arrangement 147. Similarly, the reverse arrangement of 869 will be 968.

**4. Find the odd word/letters/number pair from the given alternatives.**

a. Herb

b. Flower

c. Tree

d. Shrub

**Ans. (b.)**

**Explanation:** All except the flower are rooted in ground.

**5. Find the odd word/letters/number pair from the given alternatives.**

a. JKLM

b. NOPQ

c. RSTU

d. VWXZ

**Ans. (d.)**

**Explanation:** All except VWXZ are the combination of consecutive letters.

**6. Find the odd word/letters/number pair from the given alternatives.**

a. (85, 136)

b. (34, 85)

c. (102, 153)

d. (63, 162)

**Ans. (d.)**

**Explanation:**  $(85, 136) = (5 \times 17, 8 \times 17)$ ;

$(34, 85) = (2 \times 17, 5 \times 17)$ ;

$(102, 153) = (6 \times 17, 9 \times 17)$ ;

$(63, 162) = (7 \times 9, 9 \times 9 \times 2)$ ;

All except (63, 162) have HCF of 17.

**7. Arrange the following words as per order in the dictionary**

1. Organ
2. Origin
3. Orient
4. Organic
5. Organize

- a. 1, 5, 3, 4, 2
- b. 1, 5, 4, 2, 3
- c. 1, 4, 5, 3, 2
- d. 1, 4, 5, 2, 3

**Ans. (c.)**

**Explanation:** The logical order of the given words will be as follows-

Organ > Organic > Organize > Orient > Origin;

**8. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?**

sr tr srs r srst

a. ttssrr

b. tsrtsr

c. strtrs

d. tsttr

**Ans. (d.)**

**Explanation:** After studying the above given pattern, we can deduce the following inferences-

'srs' is suffixed by 't' and it implies 'srst' is suffixed with 'r'. No 'rr' and 'ss' combination is allowed as there is no such combination. Hence, the correct sequence will be-

**(t) sr (s) tr (t) srs (t) r (t) srst (r).**

**9. Find the missing number in the following series:**

**43, 172, 86, 344, ?**

a. 172

b. 258

c. 129

d. 430

**Ans. (a.)**

**Explanation:** The alternate numbers in the given series are in the multiple of 2.

Hence, the next number will be =  $86 * 2 = 172$ ;

**10. 'A' is the sister of 'B'. 'B' is married to 'D'. 'B' and 'D' have a daughter 'G'. How is 'G' related to 'A'?**

a. Sister

b. Daughter

c. Niece

d. Cousin

**Ans. (c.)**

**Explanation:** G will be equal of the daughter to A. Hence, the correct answer will be 'niece'.

**11. Anil is as much younger to Vivek as he is older to Tarun. If the total of the ages of Vivek and Tarun is 48 years, how old is Anil?**

a. 26

b. 33

c. 24

d. 18

**Ans. (c.)**

**Explanation:** Vivek – Anil = Anil – Tarun; -----eq.(i)

Vivek + Tarun = 48 -----eq.(ii);

From eq.(i) and eq.(ii),

2\* Anil= 48; => Anil = 24 years;

**12. From the given alternative words, select the word which cannot be formed using the letters of the given word:**

**CHRONOLOGICAL**

a. CALL

b. LOGIC

c. CALICO

d. ANALOGY

**Ans. (d.)**

**Explanation:** All except ANALOGY can be formed using the given word because the given word does not contain '1Y' and '2A'.

**13. If HOUSE is written as FQSUC , then how can CHAIR be written in that code?**

a. DIBJS

b. SBJID

c. SHBGD

d. AJYKP

**Ans. (d.)**

**Explanation:** HOUSE -----(-2)(+2)(-2)(+2)(-2)----- FQSUC;

CHAIR -----(-2)(+2)(-2)(+2)(-2)-----AJYKP;

**14. If P denotes  $\div$  , Q denotes  $\times$ , R denotes  $+$  and S denotes  $-$  then what is the value of  $18Q12P4R5S6$**

a. 64

b. 53

c. 81

d. 24

**Ans. (b.)**

**Explanation:** Replace the letter with mathematical signs-

$$18Q12P4R5S6 = 18 \times 12 / 4 + 5 - 6;$$

$$= 54 + 5 - 6 = 53;$$

**15. If  $4 + 3 = 25$ , and  $8 + 4 = 80$ , then,  $3 + 2 = ?$**

a. 15

b. 10

c. 13

d. 12

**Ans. (c.)**

**Explanation:**  $4 + 3 = 4^2 + 3^2 = 25$ ;  $8 + 4 = 8^2 + 4^2 = 80$ ;

Similarly,  $3 + 2 = 3^2 + 2^2 = 13$ ;

**16. Select the missing numbers from the given alternatives**

8	32	4
7	?	5
2	6	3

a. 30

b. 35

c. 20

d. 25

**Ans. (b.)**

**Explanation:** Second column is the product of first and third column. Hence,  $7*5 = 35$ ;

**17. Ramesh starts his journey by walking 2 kilometres towards North. Then he takes a right turn and walks 1 kilometre. Again takes a right turn and walks 2 kilometre. Now which direction is he facing?**

a. East

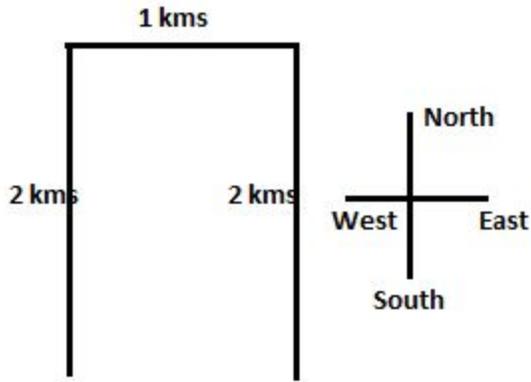
b. West

c. South

d. North

**Ans. (c.)**

**Explanation:** From the given figure, he will be heading towards South direction.



**18. Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.**

**Statement:** Irregularity is a cause for failure in exams. Some regular students fail in the examinations. <https://www.freshersnow.com/previous-year-question-papers/>

**Conclusions:**

- I. All failed students are regular.
  - II. All successful students are not regular.
- a. Only conclusion I follows
- b. Only conclusion II follows
- c. Both conclusion I and conclusion II follow

d. Neither conclusion I nor conclusion II follows

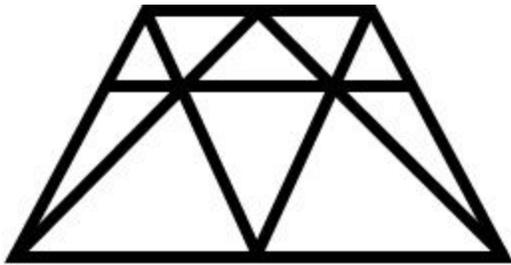
**Ans. (d.)**

**Explanation:** Failed students -----> Regular;

Successful students -----> Not regular;

It is clear that both conclusions are baseless.

**19. How many triangles are there in the given figure?**



a. 18

b. 19

c. 20

d. 21

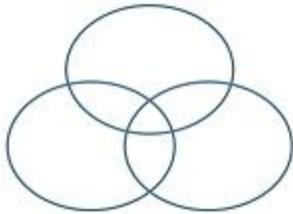
**Ans. (c.)**

**Explanation:** while counting, we can observe the 20 triangles in the given figure.

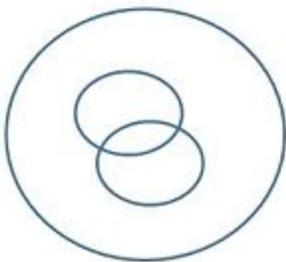
**20. Which one of the following figures represents the following relationship:**

**Birds, Parrots, Bats**

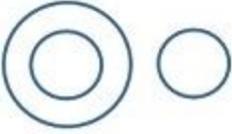
**a.**



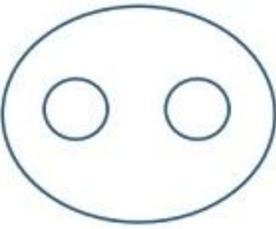
**b.**



**c.**



**d.**



**Ans.**

**Explanation:** Parrots are birds, while bats do not fall under this category due to lack of wings and fused bones. Hence, option(c.) is the best representation for the given set.