



# Memory based Reasoning Questions

SSC CHSL  
Tier-I 2021

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**Q1: A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.**

3, 5, 7, 25, \_\_\_\_\_

- A. 55
- B. 95
- C. 98
- D. 57

**Ans: B.**

**Explanation:**

$$3 \times 1 + 2 = 5$$

$$5 \times 2 - 3 = 7$$

$$7 \times 3 + 4 = 25$$

$$25 \times 4 - 5 = 95$$

**Q2: Choose the odd one out from the following options.**

- A. EHF I
- B. AD B E
- C. JN K O
- D. GI H L

**Ans: D.**

**Explanation:** Pattern: +3, +1, +4 is followed from the starting letter for all options except D.

**Q3: Select the related word/letters/number from the given alternatives.**

6 : 46 :: 12 : \_\_\_\_\_

- A. 186
- B. 174
- C. 154
- D. 156

**Ans: C.**

**Explanation:**

Pattern:  $(6)^2 + 10 = 46$ , so  $(12)^2 + 10 = 154$ .

**Q4: Choose the odd numeral pair.**

- A. (16, 23, 30)
- B. (11, 18, 25)
- C. (24, 31, 36)
- D. (20, 27, 34)

**Ans: C.**

**Explanation:**

Pattern: +7 for the numerals in all options except C.

$$24 + 7 = 31, 31 + 7 = 38$$

**Q5: A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.**

GJM, PSV, YBE, \_\_\_\_\_

- A. HKL
- B. HKN
- C. HKM
- D. GKN

**Ans: B.**

**Explanation:**

Pattern: +3 for all the letters. So answer should be B (HKN).

**Q6: Select the related word/letters/number from the given alternatives.**

Copy : Pages :: Pen : \_\_\_\_\_

- A. Water
- B. Pencil
- C. Ink
- D. Writing

**Ans: C.**

**Explanation:**

Pattern: As copy contains pages. Similarly Pen contains ink. So answer should be C.

**Q7: Arrange the following words as per order in the dictionary.**

(i) Bacillus (ii) Backbend (iii) Backbone (iv)

Baccarat

- A. iii, ii, i, iv
- B. iii, i, iv, ii
- C. iv, i, ii, iii
- D. i, ii, iv, ii

**Ans: C.**

**Explanation:**

Dictionary Order: (iv) Baccarat, (i) Bacillus, (ii) Backbend, (iii) Backbone

**Q8: If in a certain coded language, "SAFETY" is coded as "HZUVGB". Then how will "NOURISH" be coded in the same language?**

- A. MLFIRHS
- B. MLIFRHS
- C. MLFIHRS
- D. MFLIHRS

**Ans: A.**

**Explanation:** Pattern: Reverse alphabets of all the letters of word.

Thus "NOURISH" is coded as "MLFIRHS".

**Q9:** In the following question, choose the correct mirror image from the alternatives.



- A. WOLGUB
- B. WOLGUB
- C. WOLGUB
- D. WOLGUB

Ans: B.

Explanation:



**Q10:** Three statements are given below, assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the following conclusion definitely follows.

**Statements:**

Some Scarfs are masks.

All masks are socks.

Some socks are gloves.

A. Some scarfs are gloves.

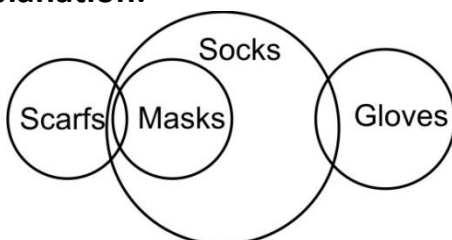
B. No mask is scarf.

C. Some scarfs are socks.

D. No glove is mask.

Ans: C.

Explanation:



**Q11:** Which number will replace the question mark (?) in the following series.

14, 20, 26, 32, ?

- A. 40
- B. 38
- C. 36
- D. None of these

Ans: B.

Explanation: Pattern: +6

With this pattern,  $32 + 6 = 38$

**Q12:** In the following question, select the word related to the given word.

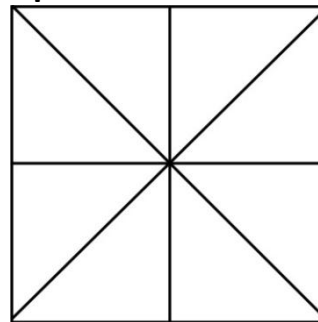
Cow : Milk :: Hen : \_\_\_\_\_

- A. Chicken
- B. Egg
- C. Butter
- D. Milk

Ans: B.

Explanation: As cow gives milk. Similarly Hen gives eggs.

**Q13:** How many triangles do the following square contains?



- A. 15
- B. 14
- C. 17
- D. 16

Ans: D.

Explanation: Figure has 16 triangles. So answer should be C.

**Q14:** If '+' means 'divided by', 'x' means 'added to', '-' means 'multiplied by' and '÷' means 'subtracted from' then  $84 \times 27 + 9 - 4 \div 16$ ?

- A. 87
- B. 88
- C. 80
- D. 85

Ans: C.

Explanation:  $84 + 27 \div 9 \times 4 - 16$

$$84 + 3 \times 4 - 16$$

$$84 + 12 - 16$$

$$84 - 4 = 80$$

**Q15:** If A means "multiplied by", B means "subtracted from", C means "divided by", D

means "addition to", then what is the value of 343 C 49 A 30 B 40 D 80?

- A. 254
- B. 250
- C. 260
- D. 236

Ans: B.

Explanation:

$$\begin{aligned}
 &343 \div 49 \times 30 - 40 + 80 \\
 &= 7 \times 30 - 40 + 80 \\
 &= 210 - 40 + 80 \\
 &= 290 - 40 \\
 &= 250
 \end{aligned}$$

Q16: If in a certain coded language, "LEAF" is coded as "360". Then how will "REST" be coded in the same language?

- A. 34200
- B. 34600
- C. 34800
- D. None of the above

Ans: A.

Explanation: Pattern: Product of the place value of alphabets.

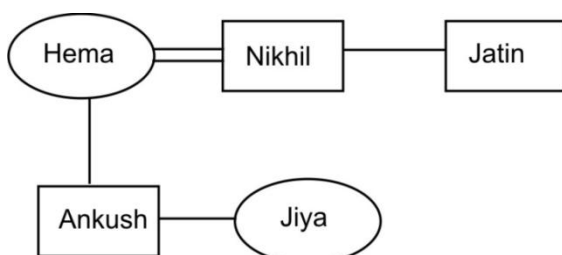
REST is coded as  $18 \times 5 \times 19 \times 20 = 34200$

Q17: If C means "brother", F means "sister", J means "mother", L means "father", D means "son", G means "daughter" and H means "uncle". According to this if the relation is Ankush D Hema J Jiya G Nikhil C Jatin; Jatin H Ankush. Then how Hema is related to Jatin?

- A. Sister
- B. Sister in law
- C. Daughter
- D. Niece

Ans: B.

Explanation:



Q18: Which of the following options cannot be formed using the letters of the word "SATISFACTION"?

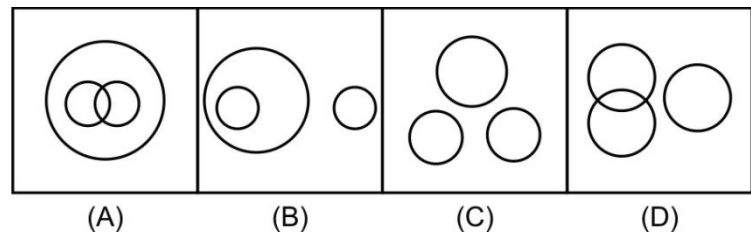
- A. FACT
- B. FRACTION
- C. SATICAT
- D. NOTICAF

Ans: B.

Explanation: All options can be formed except B.

Q19: Which of the following Venn diagram best represents the relationship between following three words?

Male, Brother, Father



- A. (C)
- B. (D)
- C. (B)
- D. (A)

Ans: D. (A)

Explanation: A male can be brother or father or both. So (A) figure depicts the best relationship.

Q20: Choose the odd one out from the following options.

- A. 12 :: 1728
- B. 15 :: 3375
- C. 29 :: 841
- D. 16 :: 4096

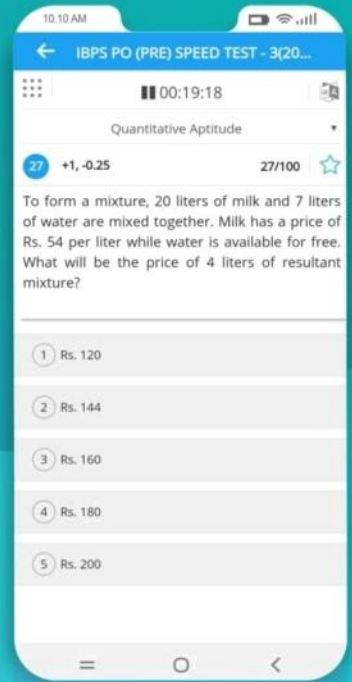
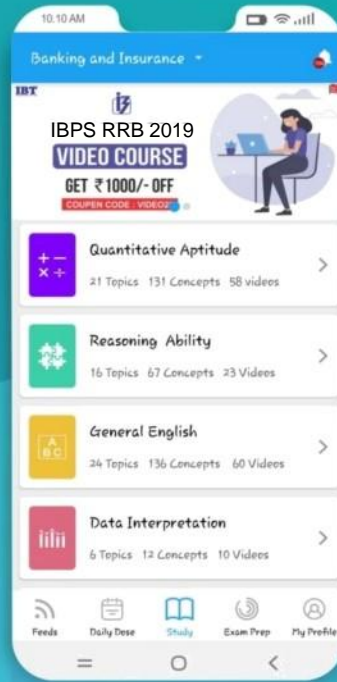
Ans: C.

Explanation: Pattern: Second number is the cube of first number in all the options except C.  $(29)^2 = 841$



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