



## SMART CHALLENGERS

### SMART CHALLENGERS QUESTIONS – JANUARY 2020

1. One-tenth of the cars in a car park are yellow. Another car arrives and now one-ninth of the cars are yellow. How many cars are now in the car park?

- A) 80      B) 81      C) 82      D) 83

ANS:

2. A clock strikes once at 1 o'clock, twice at 2 o'clock, thrice at 3 o'clock and so on. . How many times will it strike in 24 hours?

- A) 78      B) 136      C) 156      D) 196

ANS:

3. A lady starts from her house with some money to visit four Churches. As soon as she enters Church1 her money gets doubled. She donates \$100 and moves. At Church2 again her money is doubled and she donates \$100. Her money is doubled again at Church3 and she donates \$100. At Church4 again her money gets doubled. She donates \$100 again and returns home empty handed... How much money she had when she started from her house?

- A) 50      B) 60      C) 40      D) 42

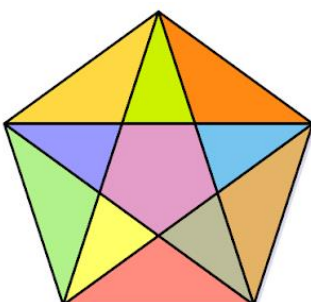
ANS:

4. If the number  $X78Y$  is divisible by 55 then value of X and Y are:

- A) 1, 0      B) 4, 5      C) 6, 5      D) 2, 0

ANS:

5. How many triangles are there in the diagram below ?



A)31


B)32

C)33

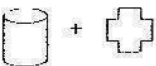
D)35

ANS:

6.Solve the mathematical equation in the picture below.



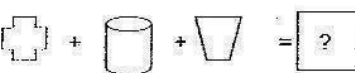
$$= 24$$



$$= 25$$



$$= 8$$



$$= ?$$

A) 30

B)32

C)34

D)36

ANS:

7.Which number completes the puzzle ?

To follow this li

6	4	8	5	11	3
34		53		47	
		9		2	
		??			

A) 31

B)29

C)33

D)35

ANS:

8. Which information is not contained in a partnership deed for a general partnership?

- A. The conditions under which new partners may be introduced.
- B. The method of sharing profits and losses.
- C. The responsibilities of each partner in the business.
- D. The statement that the liability of the partners is limited.

ANS:

9. What is the term used to refer to the operating of the CPU at a higher speed than the manufacturer's rating to enhance performance?

- A. Throttling
- B. Hyper threading
- C. Overheating
- D. Overclocking

ANS:

10.

The diagram shows one period of the Periodic Table.

Li	B	B	C	N	O	F	Ne
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Which two elements form acidic oxides?

ANS:

11.

Standing in a long corridor, 10.0m in front of a wall, a boy made a sharp tap on the floor. If the speed of sound in air is 340m/s, after how long will the echo be heard?

- A)0.015 s
- B)0.029 s
- C)0.059 s
- D)17.0 s

ANS:

12.The Reserve Bank of India cut interest rate in November 2019 to stimulate the economic growth which has been the slowest in nearly five years.

Which of the following will occur?

A	Unemployment will increase
B	Producers will be encouraged to take loans to invest in business
C	Consumers will save rather than spend
D	Demand for goods will decrease

ANS:

13.a. A Planet is to Tennis ball As Dice is to ?

A	Apple
B	Foot ball
C	Sugar cubes
D	The sun

ANS:

b. A car is to transport As game is to :

A	Manipulation
B	Football

C	Entertainment
D	Information

ANS:

**14. Anagram:** An anagram is a word or phrase formed by rearranging the letters of a different word or phrase, typically using all the original letters exactly once. For example, the word *anagram* can be rearranged into *nag a ram*, or the word *binary* into *brainy* or the word *adobe* into *abode*

a. Dormitory -----

b. School Master -----

ANS:

**15**  
**Idiom:** An idiom is a phrase or an expression that has a figurative, or sometimes literal, meaning.  
He's got a chip on his shoulder. –

A	He's holding onto a grudge or grievance that's making him very angry or callous.
B	He is having a chip fixed on his shoulder
C	He is sad because he is having a chip on his shoulder

ANS:

**B. Don't jump the gun. -**

A	Don't do something before the allotted time.
B	Do something before the allotted time
C	Do something before its too late.

ANS:

**16. Similies :** A simile compares two things using the words "like" or "as" to create a new meaning. These comparisons are direct and typically easy to understand. For example:As sly as a fox.

Identify the similie:

The Football player slithered like a snake as he ran for the touchdown.

ANS:

**17. Metaphor:** Metaphors are a figure of speech used to make comparisons. These comparisons describe one thing in terms of another, but without using the words "like" or "as". For example, describing a woman in terms of a flower can highlight her beauty: "Her petal-soft smile blossomed in the morning sun."

Choose the correct meaning of the metaphor given in italics:

"She was *fishing for compliments*."

A	Desire for accolades
B	fishing compliments out of the ocean.
C	c. complemented her for her fishing skills.

ANS:

**18. Homonyms:** homonyms, broadly defined, are words which sound alike or are spelled alike, but have different meanings. For example, Bear and Bare.

.Choose the correct homonyms from the following questions.

A. Be sure there is enough daylight to make your \_\_\_\_ down the mountain.

a. decent

b. descent

B. Chuck heard his team mates \_\_\_\_ when his shot missed the goal.

a. groan

b. grown

ANS:

19

**Phrasal Verb:** Phrasal verbs are phrases that indicate actions. They are generally used in spoken English and informal texts. Examples of such verbs include: *turn down*, *come across* and *run into*.. Using your own knowledge and experience of phrasal verbs, complete these sentences:

A. "I'm going to try \_\_\_\_ this new type of paint on my walls."

A	In
B	By
C	Out
D	On

ANS

B. "I don't believe them. Their story doesn't add \_\_\_\_."

A	On
B	Up
C	In
D	By

ANS: