



## SMART CHALLENGERS

### SMART CHALLENGERS QUESTIONS – FEBRUARY 2023

1. Donna’s memo caused much contention around the office last week. She may have meant well, but her usually caustic tone offended almost everybody. She has become a consistent nuisance at work, and probably should be fired.

Q. Based on the tone of the passage, which of the following words best describes the author’s attitude toward Donna?

A	exasperated
B	admiring
C	patronising
D	isolated

2. Fill up the blank with correct option.

Q. If RUN IS TO JOG \_\_\_\_\_ IS TO \_\_\_\_\_

A	trot : race
B	swim : dive
C	dance : ballet
D	rain: drizzle

3. Mathematics allows us to expand our consciousness. Mathematics tells us about economic trends, patterns of disease, and the growth of populations. Math is good at exposing the truth, but it can also perpetuate misunderstandings and untruths. Figures have the power to mislead people.  
 Q. This paragraph best supports the statement that

A	The study of mathematics is dangerous.
B	Words are more truthful than figures.
C	the study of mathematics is more important than other disciplines.
D	Figures are sometimes used to deceive people.

4. It is well known that the world urgently needs adequate distribution of food, so that everyone gets enough. Adequate distribution of medicine is just as urgent. Medical expertise and medical supplies need to be redistributed throughout the world so that people in emerging nations will have proper medical care.

Q. This paragraph best supports the statement that

A	The majority of the people in the world have no medical care.
B	Medical resources in emerging nations have diminished in the past few years.
C	Not enough doctors give time and money to those in need of medical care.
D	Many people who live in emerging nations are not receiving proper medical care.

5. Use of electronic mail (e-mail) has been widespread for more than a decade. E-mail simplifies the flow of ideas, connects people from distant offices, eliminates the need for meetings, and often boosts productivity. However, e-mail should be carefully managed to avoid unclear and

inappropriate communication. E-mail messages should be concise and limited to one topic. When complex issues need to be addressed, phone calls are still best.

Q. Which of the following would be the most appropriate title for the passage?

A	Appropriate Use of E-Mail
B	E-Mail's Popularity
C	E-Mail: The Ideal Form of Communication
D	Why Phone Calls Are Better Than E-Mail

6. Moscow has a history of chaotic periods of war that ended with the destruction of a once largely wooden city and the building of a new city on top of the rubble of the old. The result is a layered city, with each tier holding information about a part of Russia's past. In some areas of the city, archaeologists have reached the layer from 1147, the year of Moscow's founding. Among the findings from the various periods of Moscow's history are carved bones, metal tools, pottery, glass, jewellery, and crosses.

Q. From the passage, the reader can infer that

A	the people of Moscow are more interested in modernization than in preservation.
B	the Soviet government destroyed many of the historic buildings in Russia.
C	Moscow is the oldest large city in Russia, founded in 1147.
D	Moscow has a history of invasions, with each new conqueror razing past structures.

7. STUDY THE INFORMATION GIVEN CAREFULLY ABOUT TORNADO AND ANSWER THE QUESTION :

### THE FUJUITA-PEARSON TORNADO INTENSITY SCALE

CLASSIFICATION	WIND SPEED	DAMAGE
F0	40–72 mph	Mild
F1	73–112 mph	Moderate
F2	113–157 mph	Significant
F3	158–206 mph	Severe
F4	207–260 mph	Devastating
F5	260–319 mph	Incredible
F6	319–379 mph	Inconceivable

Q. A tornado with a wind speed of 143 mph would be assigned which classification?

A	F0
B	F1
C	F2
D	F3

Which word is coded below?

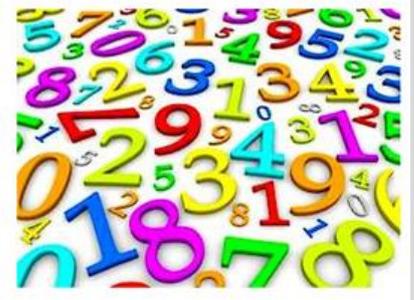
112119111

1	2	3	4	5	6	7	8	9	10
A	B	C	D	E	F	G	H	I	J
11	12	13	14	15	16	17	18	19	20
K	L	M	N	O	P	Q	R	S	T
21	22	23	24	25	26				
U	V	W	X	Y	Z				

8.

A	ALONE
B	AVOCADO
C	ALASKA
D	ALIKE

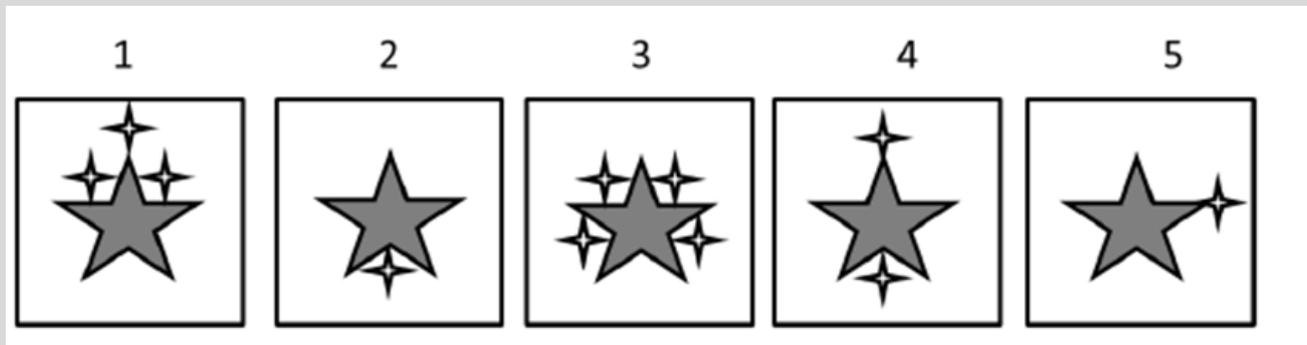
What gives the largest result?



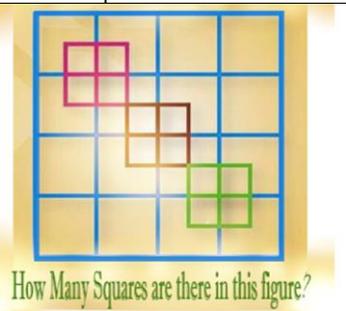
9.

A	The product of all integers from -10 to -1 inclusive
B	The product of all integers from 0 to 99 inclusive
C	The product of all integers from -10 to 10 inclusive
D	The product of all integers from -99 to -9 inclusive

10.



A	1
B	2
C	3
D	4
E	5



11.

How Many Squares are there in this figure?

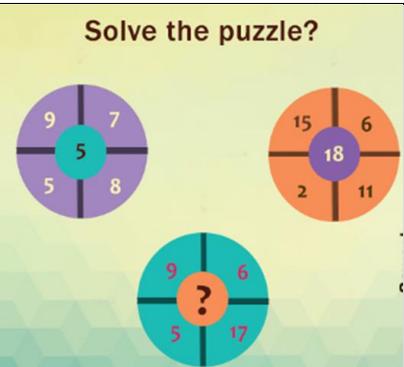
A	44
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B	45
C	46
D	50

12. If A is substituted by 4, B by 3, C by 2, D by 4, E by 3, F by 2 and so on, then what will be total of the numerical values of the letters of the word SICK?

A	11
B	12
C	10
D	9

13. Can you solve this Mathematics puzzle?



A	12
B	15
C	17
D	19

14. I went on a holiday to a hill station. It snowed for 15 days. But when it snowed in the morning the afternoon was lovely. And when it snowed in the afternoon the day was preceded by a clear morning. Altogether there were 14 very nice mornings and 17 very nice afternoons. How many days did my holiday last?

A	21
B	22
C	23
D	24

15.----- is an amphoteric oxide.	
A	calcium oxide
B	Zinc oxide
C	sodium oxide
D	potassium oxide

16. Which of the following plants is known as an epiphytic plant?	
A	Water hyacinth
B	Lotus
C	Orchids
D	Duckweeds

17. Which of the following statements describes the resultant of two forces?	
A	Force that maintains the system in equilibrium
B	Force that has the highest magnitude in the system
C	Force that has the same effect as the two forces
D	Force that has the same effect as one force

18. How does inflation affect people?	
A	Real income will fall, purchasing power will rise and people save less
B	Real income will fall, purchasing power will fall and people consume more
C	Real income will fall, purchasing power will fall and people see the value of their saving fall
D	Real income will fall, purchasing power will fall and it boosts consumer confidence

19. The bank interest rate in India changed from 4.5% to 6.0%. Which one of the following could affect a business because of this change?	
A	Higher loan repayments
B	Increase in labour costs
C	Improved net cash flow
D	Increase in sales

20. Identify the name of the attack on Jewish people and property that symbolises the final shattering of Jewish existence in Germany in the 1930s?	
A	Endlösung
B	Kristallnacht
C	Beer Hall Putsch
D	Drang nach Osten

21. What is the difference between data and information?	
A	Data is smaller in size and information is larger in size
B	Data is on your computer, information is in your head
C	Data is unorganised, meaningless data but information has a meaning
D	Information is meaningless but data has a meaning