SMART CHALLENGERS QUESTIONS – NOVEMBER - 2022

1. **Read the text and answer the questions that follow.**

ACOL VOLUNTARY FLU IMMUNISATION PROGRAM

As you are no doubt aware the flu can strike rapidly and extensively during winter. It can leave its victims ill for weeks. The best way to fight the virus is to have a fit and healthy body. Daily exercise and a diet including plenty of fruit and vegetables are highly recommended to assist the immune system to fight this invading virus.

a) **What's the purpose of this text?**

A	Persuade
B	Entertain
C	Describe
D	Inform

1. b)	**Which of the following information is not correct about the flu virus?**
A	The virus strikes rapidly during the winter.
B	The virus is fought by having a fit and healthy body.
C	An injection is recommended for fighting the virus.
D	Plenty of fruit and vegetables are highly recommended to assist the immune system to fight this invading virus.

2. Read the letter and answer the questions that follow.

R118: In Poor Taste *from John Smith*Did you know that in 1996 we spent almost the same amount on chocolate as our government spent on overseas aid to help the poor? Could there be something wrong with our priorities? What are you going to do about it? Yes, you.

John Smith,
UAE

a) John Smith's aim in the letter is to provoke	
A	Amusement
B	Guilt
C	Fear
D	Satisfaction

2 .b) What kind of response or action do you think Arnold Jago would like his letter to prompt?	
A	People donate less money to overseas aid.
B	People should spend more on chocolate and more on the poor.
C	He may like to see people's suggestions on how to fundraise overseas using chocolate.
D	Governments/individuals should spend more on (overseas) aid.

5. **Read the opinion given by this student and answer the question that follows.**

The earth's resources are quickly dying out. The earth's population is increasing at a dramatic rate. Life cannot be sustained if we continue to live in such a way. Pollution has caused a hole in the ozone layer. Fertile lands are running out and soon our food resources will diminish. Already there are cases of famine and disease caused by overpopulation.

Space is a vast empty region which we can use to our benefit. By supporting exploration into space, one day we may find a planet that we can live on. At the moment this seems unimaginable, but the notion of space travel was once thought of as impossible. Discontinuing space exploration in favour of solving immediate problems is a very narrow minded and short-term view. We must learn to think not only for this generation but for the generations to come.

Which of the following questions does the student seem not to be responding to?

A	Why shouldn't we think of space exploration?
B	What is the major problem facing the world today?
C	Are you in favour of space exploration?
D	Do you believe in life beyond our planet?

6. If you ask me, these protests are nothing but a storm in a teacup that's been stoked by a media campaign of misinformation. **What does the phrase 'a storm in a teacup' mean?**
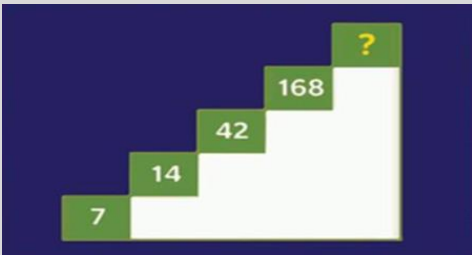
A	A violent fuss or disturbance over an important matter
B	Causing amusement
C	A violent fuss or disturbance over a trivial matter
D	A misunderstanding

7. The coming decades will likely see more intense clustering of jobs, innovation, and productivity in a smaller number of bigger cities and city regions. Some regions could end up bloated beyond the capacity of their infrastructure, while others struggle, their promise stymied by inadequate human or other resources.

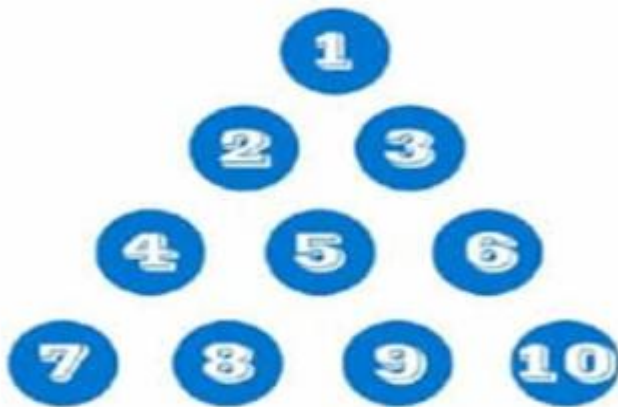**Question: As it is used in the passage, the word "intense" most nearly means...**

A	Forceful
B	Concentrated
C	Energetic
D	Passionate

8. Guess the missing number

A	336
B	840
C	200
D	210

9. You need to move only three circles and turn the image upside down! What are these circles?

A	1,2 and 3
B	7,8 and 6
C	1,7 and 10
D	1,3 and 6

10. If 3 boys can eat 3 burgers in 3 minutes. How many burgers will 10 boys eat in 10 minutes?

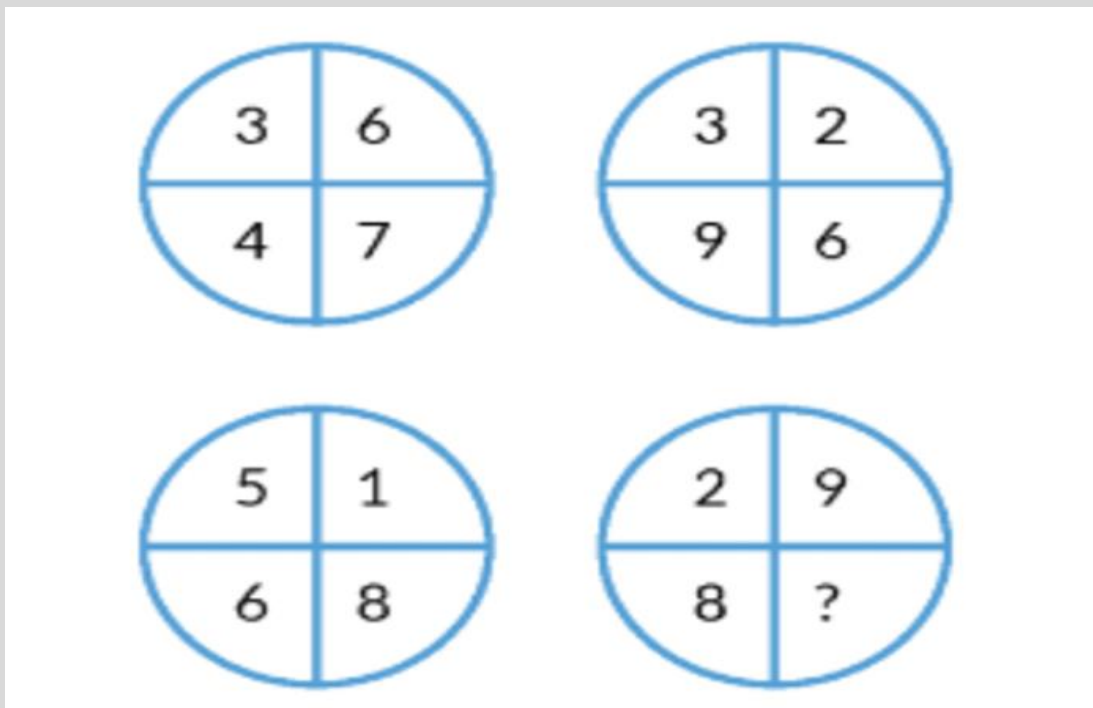| A	27
B	54
C	100
D	300

11. Last weekend, Amit went to an exhibition near his house. He rode his new bicycle gifted by his mother for winning the Maths puzzle competition. After reaching the exhibition, Amit saw that there were 14 tricycles and bicycles in total. If there were a total of 38 wheels, how many tricycles were there in the park?

A	19
B	10
C	12
D	16

12. A wizard was on the way to his house and a few drops from his magic potion fell on to a plant. Now, the plant will double its size every day. It is growing in a circular pond with a circumference of 600 metres. The plant-covered half the pond in 28 days, how many days would it take to cover the full pond?	
A	29
B	58
C	56
D	30

13.Analyse the pattern and find the missing number:

A	12
B	2
C	8
D	1

14.This is a magic number. If you add this number to the number itself and then multiply by it 4 and again divide the number by 8 and you will get the same number once more. Which is that number?

A	There is no such number

B	Any number will give you the same result.
C	Only odd numbers
D	Only even numbers

15. Unusual expansion of water is below 4*C is due to	
A	Geometry of water molecule
B	Angle in the water molecule
C	Covalent bonding between the atoms in the water molecule
D	Hydrogen bonding between the water molecule

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

17. The work done by any friction force is:	
A	Always positive
B	Always negative
C	Always zero
D	either positive or negative depending up on the situation

18. Which tax is most likely to help protect the environment?	
A	Decrease in excise duty on petrol
B	Increase in income tax
C	Increase in carbon tax
D	Decrease in corporation tax

19. Which one of the following is a phase of the product life cycle?	
A	Star
B	Place

C	Maturity
D	Branding

20. What was the name of the UAE before independence?

A	Arab Emirates
B	Arab States
C	Trucial States
D	Republic of Arabs

21. What do you call the computer software which you configure before installing the OS?

A	GUI
B	BIOS
C	Application software
D	System software