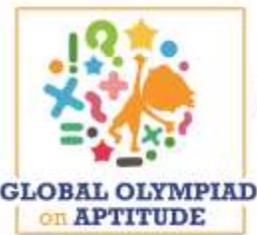


## Class 8<sup>th</sup> Sample Paper

1. If in a certain code, ARIES is coded as ZIRVH, then how will TAURUS be coded in that code?  
(a) GZFIH                      (b) GXHFHF                      (c) UBVSFH                      (d) UBUSHF
2. A man starts from a point and moves 3 km north, then turns to west and goes 2 km. He turns North and walks 1 km and then moves 5 km towards, East. How far is he from the starting point?  
(a) 11 km                      (b) 10 km                      (c) 5 km                      (d) 8 km
3. A and B are brothers, C and D are sisters. A's son is D's brother. How is B related to C?  
(a) Father                      (b) Brother                      (c) Grandfather                      (d) Uncle
4. 4, 7, 11, 18, 29, 47,....., 123, 199  
(a) 76                      (b) 70                      (c) 84                      (d) 102
5. Benevolent  
a. Kindness  
b. Cruel  
c. Admonish  
d. Hatred
6. Belligerent  
a. Playful  
b. Superfluous  
c. War like  
d. Love
7. Mt Everest is ..... Tallest mountain in the world.  
a. A  
b. An  
c. The  
d. None of These
8. Ram is a boy. He lives in India  
a. Pronoun/Pronoun  
b. Noun/ Noun  
c. Noun/ Pronoun  
d. None of these
9. The Car is big, red and flashy  
a. Adjective  
b. Noun  
c. Verb  
d. Pronoun
10. A train covers the first 60 km of its journey at a speed of 30 km/h the next 90 km at a speed of 90 km/h. Find its average speed.  
(a) 45 km/h                      (b) 50 km/h                      (c) 150 km/h                      (d) 100 km/h
11. Fifteen sets of 30 added to five 15s is equal to:  
(a) 625                      (b) 525                      (c) 575                      (d) 675
12. Fill in the box:



# GLOBAL OLYMPIAD on APTITUDE

- $57 + \square = 125 - \square$
- (a) 24                      (b) 34                      (c) 68                      (d) 58
13. Convert the ratio 3:4 to percentage.
- (a) 30%                      (b)  $66\frac{2}{3}\%$                       (c) 40%                      (d) 75%
14. 72% of 25 students are good in mathematics. How many are not good in mathematics?
- (a) 18                      (b) 7                      (c) 10                      (d) 15
15. Who was the first and last Indian Governor General of Free India?
- (a) Rajendra Prasad  
(b) C. Rajagopalachari  
(c) Pandit Jawahar Lal Nehru  
(d) Mahatma Gandhi
16. In how many days the moon orbits the Earth?
- (a) 27 days  
(b) 28 Days  
(c) 29 Days  
(d) 30 Days
17. When Lunar Eclipse occur?
- (a) When Sun is between Earth and Moon  
(b) When Earth is between Sun and Moon  
(c) When Moon is between Earth and Sun  
(d) When Earth is between Sun and other celestial bodies
18. When did Lunar Eclipse happen?
- (a) Half Moon  
(b) Full Moon  
(c) Equinox  
(d) None of the above
19. Which mission of NASA brought first human to moon?
- (a) Apollo program  
(b) Gemini Program  
(c) Mercury Program  
(d) None of the above
20. Which technique is used to separate the substances from a mixture?
- (a) Chromatography  
(b) Racing Forging  
(c) Assembling  
(d) None of the above

## Class 9<sup>th</sup> & 10<sup>th</sup> Sample Paper

Direction for Question 1: Find the Mirror Image of the following Figure.

1. MALAYALAM  
 (a) MALAYALAM      (b) MAJAYAJAM      (c) МАJAYAJAM      (d) МАҒАҒАҒАМ
2. Simant starts from point A, walks southwards and reaches B. He then turns right followed by a left to reach C. Finally, he turns left and walks 20 kms before he halts at point D. If Simant walks 20 kms before taking each turn, towards which direction will Simant have to walk from point D to reach B?  
 (a) North      (b) West      (c) South      (d) East
3. A man is facing west. He turns 45° in the clockwise direction and then another 180° in the same direction and then 270° in the anticlockwise direction. Which direction is he facing now?  
 (a) South      (b) North-west      (c) West      (d) South-west
4. Anil introduces Rohit as the son of the only brother of his father's wife. How is Rohit related to Anil?  
 (a) Cousin      (b) Son      (c) Uncle      (d) Son-in-law
5. The book has a very interesting .....  
 (a) plot      (b) bestseller      (c) volume      (d) fiction
6. The main ..... in The Chronicles of Narnia are four children.  
 (a) persons      (b) chapters      (c) characters      (d) people
7. I'm reading the novel 1984 .....George Orwell.  
 (a) of      (b) on      (c) by      (d) at
8. Which of the following words does NOT describe marital status?  
 (a) single      (b) lonely      (c) divorced      (d) married
9. People have got ten \_ on their feet.  
 (a) fingers      (b) toes      (c) elbows      (d) knees
10. Identify the Opposite of the word ORTHODOXY  
 (a) Renown      (b) Unconventional      (c) Inquisitive      (d) Foolish
11. For almost Ten years, Mr Jacob ..... unable to move his head.  
 (a) Was      (b) Looks      (c) Had been      (d) Is
12. Shiver my timbers  
 (a) Exclamation of surprise or amusement      (b) Shivering with cold  
 (c) Shivering with Fear      (d) Cold wave in deserts
13. Nail one's colours to the mast  
 (a) To understand the fact      (b) To mishandle something  
 (c) Refuse to climb down      (d) To accept the proposal
14. He always manages to rub people the wrong way  
 (a) Offend someone      (b) Someone who has failed the family  
 (c) Admire someone      (d) Recovered
15. A square is inscribed in a circle with radius r. What is the probability that a randomly selected point within the circle is not within the square.



# GLOBAL OLYMPIAD on APTITUDE

(a)  $1/3$

(b)  $1/2$

(c)  $\frac{2}{\pi}$

(d)  $\frac{\pi-2}{\pi}$

**16.** Which of the following is not the factor of  $x^3 + 3x^2 - x - 3$ ?

(a)  $x+1$

(b)  $x-1$

(c)  $x+3$

(d)  $x-3$

**17.** Which of the following is not a criterion for congruence of triangles?

(a) SAS

(b) ASA

(c) SSA

(d) SSS

**18.** PRINCIPLE: Nothing is an offence which is done by a child who is below seven years of age.

FACTS: Paras, a child of 6 years fires a revolver, which results in the death of his father. In this case,

(a) Paras will be guilty of murder, because he has committed murder.

(b) Paras will not be guilty of murder because he fired the revolver accidentally at his father.

(c) Paras will not be guilty because he is below 7 years of age and thus incapable of an offence.

(d) None of these

**19.** Which of the following is not a Fundamental Right under the Constitution?

(a) Right to Equality

(b) Right to Property

(c) Right to Life and Personal Liberty

(d) Right to Religion

**20.** PRINCIPLE: It is the fundamental duty of all Indians to respect national symbols.

FACTS: Can anyone be forced to sing the National Anthem?

(a) Yes, since not singing amounts to disrespect.

(b) No, since the state can't use excess power.

(c) No, since showing respect can mean observing silence and standing in attention.

(d) No, since the National Anthem is not a national symbol.

## Class 11<sup>th</sup> - 12<sup>th</sup> Sample Paper

1. Pointing towards a person in the photograph, Anjali said, "He is the only son of the father of my sister's brother." How is that person related to Anjali ?
- (a) Mother
  - (b) Father
  - (c) Maternal uncle
  - (d) None of these

Directions for questions 2 to 4: Point B is 13m south of point A. Point B is 8m west of point C. Point D is 7m north of Point C. Point D is 14m east of point E. Point F is 8m north of point E. Point F is 17m west of point G. Point H is 11m south of Point G. point H is 17m east of Point I.

2. What is the direction of I with respect to G?
- (a) Northwest
  - (b) Southwest
  - (c) Northeast
  - (d) Southeast
  - (e) West
3. At what distance & in which direction is point I from point E?
- (a) 3m south
  - (b) 4m south
  - (c) 5m south
  - (d) 4m north
  - (e) None of these
4. If point X is 8m south of G, then which of these points are in a straight line?
- (a) BCD
  - (b) ABD
  - (c) EDX
  - (d) None of these
  - (e) Cannot be determined
5. A. The debate is what the revolution will replace the current reality with.  
B. The debate is not whether Indian society needs a revolution or not.  
C. These are too important to be left blunt in the hands of distant leaders and underdeveloped institutions.  
D. To hasten that revolution and what it brings, the rest of us only have very few, yet powerful, weapons like democracy, good governance and rule of law.
- (a) ADCB
  - (b) BDAC
  - (c) BADC
  - (d) CBAD

6. Ravi, along with (a)/ his brother Rajesh and (b)/ seven senior bank officials (c)/ were arrested (d)/ No error (e)
7. I had hardly reached there when he arrived
  - (a) Hardly had I
  - (b) Hardly I had
  - (c) I have hardly
  - (d) No improvement
8. You are taller than.....
  - (a) Me
  - (b) I
  - (c) Him
  - (d) None of these
9. The Principal (a)/ of the School (b)/ Is more strict (c)/ than that school (d)/ No error (e)
10. Horse: Stable
  - (a) Fish: Water
  - (b) Lion: Lair
  - (c) Dog: Kennel
  - (d) Mare: Money

Read the passage and answer the questions: Bacteria are extremely small living things. While we measure our own sizes in inches or centimetres, bacterial size is measured in microns. One micron is a thousandth of a millimetre a pinhead is about a millimetre across. Rod shaped bacteria are usually from two to four microns long, while rounded ones are generally one micron in diameter. Thus if you enlarged a founded bacterium a thousand times, it would be just about the size of a pinhead. An adult human magnified by the same amount would be over a mile (1.6 kilometres) tall.

Even with an ordinary microscope, you must look closely to see bacteria. Using a magnification of 100 times, one finds that bacteria are barely visible as tiny rods or dots. One cannot make out anything of their structure. Using special stains, one can see that some bacteria have attached to them wavy - looking "hairs" called flagella. Others have only one flagellum. The flagella rotate, pushing the bacteria though the water. Many bacteria lack flagella and cannot move about by their own power while others can glide along over surfaces by some little understood mechanism.

From the bacterial point of view, the world is a very different place from what it is to humans. To a bacterium water is as thick as molasses is to us. Bacteria are so small that they are influenced by the movements of the chemical molecules around them. Bacteria under the microscope, even those with no flagella, often bounce about in the water. This is because they collide with the water molecules and are pushed this way and that. Molecules move so rapidly that within a tenth of a second the molecules around a bacterium have all been replaced by new ones even bacteria without flagella are thus constantly exposed to a changing environment.

11. What is the passage mainly about?
  - (a) The characteristics of bacteria
  - (b) The reproduction system of the bacteria

- (c) The life cycle of the bacteria (d) How bacteria contribute to disease
12. The size of the Bacteria are measured in  
 (a) Decimetres (b) microns  
 (c) decametres (d) millimetres
13. If the image of bacteria is enhanced thousand times, the size will be just the size of?  
 (a) A pinhead (b) A rounded bacterium  
 (c) A microscope (d) A rod-shaped bacterium
14. If bacteria is examined under microscope that magnifies 100 times would see  
 (a) Tiny dots (b) big "hairs"  
 (c) Oval rods (d) detailed structures
15. A student multiplied a number by  $\frac{3}{5}$  instead of  $\frac{5}{3}$ , what is the percentage error in the calculation?  
 (a) 54 % (b) 64 % (c) 74 % (d) 84 %
16. A thief is noticed by a policeman from a distance of 200 m. The thief starts running and the policeman chases him. The thief and the policeman run at the rate of 10 km and 11 km per hour respectively. What is the distance between them after 6 minutes?  
 (a) 100 m (b) 150 m (c) 180 m (d) 120 m
17. A can do a piece of work in 10 days, B in 15 days. They work together for 5 days, the rest of the work is finished by C in two more days. If they get Rs. 3000 as wages for the whole work, then what are the daily wages of A, B and C respectively (in Rs).  
 (a) 200, 250, 300  
 (b) 300, 200, 250  
 (c) 200, 300, 400  
 (d) None of These
18. The offence of inciting disaffection, hatred or contempt against Government is  
 (a) Perjury  
 (b) Forgery  
 (c) Sedition  
 (d) Revolt
19. The State of Jammu and Kashmir was accorded special status under:  
 (a) Article 356 of the Constitution  
 (b) Article 370 of the Constitution  
 (c) Article 356 and 370 of the Constitution  
 (d) None of these
20. PRINCIPLE: The Supreme Court of India shall sit in Delhi or in such place or places, as the Chief Justice of India may, with the approval of the President, from time to time, appoint. FACTS: Supreme Court of India sits in Delhi. Due to the threat of Nuclear Attack in Delhi the President passed an order to shift all the important offices such as Parliament, Supreme Court, and Prime Minister's office to Madhya Pradesh. President's order regarding Supreme Court was challenged. Decide.  
 (a) President has the power to shift important offices including Supreme Court.  
 (b) President does not have the power to shift the Supreme Court.  
 (c) President can ask Prime Minister to pass such order.  
 (d) None of the Above.