



# ACHARYAKULAM

## SAMPLE PAPER

### ENTRANCE EXAM

### FOR CLASS - VI

#### EXAM FORMAT AT A GLANCE

TIME : 3 HRS.

MM : 100

| GK & CURRENT | E.V.S | MATHS | REASONING | ENGLISH | HINDI |
|--------------|-------|-------|-----------|---------|-------|
| 10           | 25    | 25    | 10        | 20      | 10    |

## GK & CURRENT AFFAIRS

1. Who was recently reappointed as the Chairman of Railway Board?  
[A] Vinod Kumar Yadav  
[B] Rajesh Agrawal  
[C] Purnendu Sekhar Mishra  
[D] Vishwesh Chaube
2. Who has been named the new Ambassador for World Wide Fund (WWF) India's Environment Education programme?  
[A] Virat Kohli  
[B] M S Dhoni  
[C] Viswanathan Anand  
[D] P V Sindhu
3. Which Hindi writer has been presented with the first 'Mathrubhumi Book of the Year award'?  
[A] Vinod Kumar Shukla  
[B] Ramesh Chandra Shah  
[C] Mridula Garg  
[D] Chitra Mudgal
4. Google has appointed which technical expert as the Managing Director of Google Cloud in India?  
[A] Karan Bajwa  
[B] Sundar Pichai  
[C] Rishi Sunak  
[D] Rick Harshman
5. What is the new Prize money for the Rajiv Gandhi Khel Ratna Award?  
[A] Rs 25 lakh  
[B] Rs 15 lakh  
[C] Rs 10 lakh  
[D] Rs 5 lakh
6. As per the Bloomberg Billionaires Index, who surpassed Mark Zuckerberg to become the third-richest person in the world?  
[A] Bill Gates  
[B] Elon Musk  
[C] MacKenzie Scott  
[D] Warren Buffet
7. Which country's cricket team won the Women's T20 World Cup 2020?  
[A] India  
[B] England  
[C] Australia  
[D] South Africa
8. Which country is set to host the 2021 International Cricket Council (ICC) T20 World Cup?  
[A] South Africa  
[B] India  
[C] Sri Lanka  
[D] Pakistan

9. On January 2, 2020, Prakash Parv was celebrated as birth anniversary of which Sikh Guru?  
[A] Guru Harkrishan Sahib  
[B] Guru Har Rai  
[C] Guru Gobind Singh  
[D] Guru Teg Bahadur
10. India's first underwater metro project is set to be launched in which city?  
[A] Kochi  
[B] Chennai  
[C] Kolkata  
[D] Mumbai

# SCIENCE

- Q1. Sea food specially seaweeds are rich source of which of the following minerals?  
(A) Calcium  
(B) Phosphorus  
(C) Iodine  
(D) Iron
- Q2. Paheli took some moong seeds and soaked them overnight in water, Next day, after draining out the water, she wrapped the seeds in a wet cloth. After one day, she observed small white structures growing out of the seeds. These small white structures will develop into  
(A) Stems  
(B) Leaves  
(C) Roots  
(D) Flowers
- Q3. Select an incorrect match
- | <u>Mirerals</u> | <u>Deficiency Disease</u> |
|-----------------|---------------------------|
| (A) Iron        | Anaemia                   |
| (B) Calcium     | Rickets                   |
| (C) Iodine      | Goitre                    |
| (D) Phosphorus  | Marasmus                  |
- Q4. Overnutrition is a form of malnutrition in which nutrients are over supplied relative to the amounts required for normal growth, development and metabolism. Over nutrition leads to  
(A) Kwashiorkor  
(B) Obesity  
(C) Rickets  
(D) All of these
- Q5. Fibres are separated from the seeds of cotton bolls by the process known as  
(A) Winnowing                      (b) Threading                      (c) Ginning                      (d) Spinning  
(B) Threading  
(C) Ginning  
(D) Spinning
- Q6. The process of rearing of silkworms for the production of silk is known as  
(A) Sericulture  
(B) Silviculture  
(C) Horticulture  
(D) All of these
- Q7. The air that we breathe in, is a \_\_\_\_\_ of gases like carbon dioxide, oxygen, nitrogen, argon, water vapours and other gases.  
(A) Elements  
(B) Mixture  
(C) Elements  
(D) None of these
- Q8. A pure substance is one which  
(A) Has a uniform texture throughout (homogeneous)  
(B) Has a fixed boiling point or melting point  
(C) Is made up of only type of particles  
(D) All of the above

Q9. A metallic piece (X) is dropped into copper sulphate solution. After some time, the blue colour of the solution changes to green. The change which has occurred is  
(A) Physical and reversible change  
(B) Physical and irreversible change  
(C) Chemical and reversible change  
(D) Chemical and irreversible change

Q10. What is common among the following phenomena?

1. Blinking of traffic lights      2. Rotation of blades of a fan      3. Swinging of pendulum of a clock  
(A) All are chemical changes  
(B) All are periodic changes  
(C) All are undesirable changes  
(D) All are irreversible changes  
(b) All are periodic changes.

Q11. Which of the following is the disadvantage of dam?

- (A) Deforestation  
(B) Displacement of population  
(C) Lose of animals  
(D) Lose of animals  
(b) Displacement of population

Q12. A dog can help police to trap criminals because of its keen sense of

- (A) Sight  
(B) Hear  
(C) Smell  
(D) Taste

Q13. The eyes of which of organisms has thousand of lenses?

- (A) Housefly  
(B) Mosquito  
(C) Crow  
(D) Dog

Q14. Which of the following animal's tongue has no taste?

- (A) Dog  
(B) Snake  
(C) Elephant  
(D) Cat

Q15. Which of the following medicine is used againgst snake bite?

- (A) Antibiotics  
(B) Antidote  
(C) Antigen  
(D) Antiseptic

Q16. Perennial rivers are :-

- (A) Snow fed      (b) Rain fed      (c) Dam fed      (d) All of these  
(B) Rain fed  
(C) Dam fed  
(D) All of these

- Q17. Mosquito that spreads Malaria :-  
(A) Male Anopheles  
(B) Female Anopheles  
(C) Male Aedes  
(D) Female Aedes
- Q18. Mosquito that spreads Dengue :-  
(A) Male Anopheles  
(B) Female Anopheles  
(C) Male Aedes  
(D) Female Aedes
- Q19. Anaemia is caused due to the deficiency of :-  
(A) Calcium  
(B) Proteins  
(C) Iron  
(D) Iodine
- Q20. Goiter is caused due to the deficiency of :-  
(A) Calcium  
(B) Proteins  
(C) Iron  
(D) Iodine
- Q21. Mount Everest in Nepal is called:-  
(A) Kanchanjanga  
(B) K2  
(C) Sagarmatha  
(D) Himalayas
- Q22. A person who travels in space is known as :-  
(A) Astronaut  
(B) Space Man  
(C) Pilot  
(D) Tourist
- Q23. Which of the following is a renewable resource of energy?  
(A) Coal  
(B) Wind  
(C) LPG  
(D) Natural Gas
- Q24. Name the instrument used to measure earthquake.  
(A) Seismograph  
(B) Seismogram  
(C) Sundial  
(D) Sonograph
- Q25. How many times our heart beats in a minute?  
(A) 60 - 62 Times  
(B) 70-72 Times  
(C) 80-80 Times  
(D) 90-90 Times

# MATHEMATICS

**Choose the correct option:**

- Fraction is a
  - Part of whole
  - Circle
  - Triangle
  - Square
- Mixed fraction= Nearest Natural Number +
  - Improper fraction
  - Proper fraction
  - Like fraction
  - Complex fraction
- Decimals having the same number of decimal places are called
  - Like decimals
  - Unlike decimals
  - Decimals
  - Whole numbers
- A Wall is about 364 cm. in meters it is equal to
  - 36.4 m
  - 3.64 m
  - 0.364 m
  - 0.0364 m
- Compare:  $\frac{5}{6} - \frac{1}{2}$  ( )  $\frac{3}{4} - \frac{2}{3}$ 
  - <
  - >
  - =
  - None of these
- $7.5 \times 7.5 + 37.5 + 2.5 \times 2.5 = ?$ 
  - 100
  - 80
  - 60
  - 30

7. 25 litres and 25 ml is equal to
- (A) 25.25 litres
  - (B) 25.250 litres
  - (C) 25.0025 litres
  - (D) 25.025 litres
8. Complete the series: 3, 5, \_\_\_\_\_, 9, 11
- (A) 4
  - (B) 6
  - (C) 7
  - (D) 10
9. The distance around a simple closed figure is called
- (A) Area
  - (B) Perimeter
  - (C) Volume
  - (D) Triangle
10. 5000 decagram = \_\_\_\_\_ kg
- (A) 50
  - (B) 60
  - (C) 70
  - (D) 100
11. A point is a mark of
- (A) Position
  - (B) Dot
  - (C) Cube
  - (D) Length
12. A line contains \_\_\_\_\_ number of points
- (A) Finite
  - (B) Zero
  - (C) Two
  - (D) Infinite
13. A line AB is denoted by
- (A)  $\overleftarrow{AB}$
  - (B)  $\overrightarrow{AB}$
  - (C)  $\overleftrightarrow{AB}$
  - (D)  $AB$

14. If  $AB=6$  cm and  $CD= 4$  cm, then  $AB + 2CD$  is
- (A) 2 cm
  - (B) 14 cm
  - (C) 16 cm
  - (D) 20 cm
15. If B is Mid-point of  $\overline{AC}$  then  $\overline{AC} =$  \_\_\_\_\_
- (A) AB
  - (B) BC
  - (C) 2AB
  - (D) 4AB
16. The equality of two ratios is called
- (A) Ratio
  - (B) Percentage
  - (C) Triangle
  - (D) Proportion
17. Express the ratio 45:108 in its simplest form
- (A) 5:12
  - (B) 3:12
  - (C) 4:5
  - (D) 1:2
18. Find the number whose 4% is 72
- (A) 1200
  - (B) 1500
  - (C) 1600
  - (D) 1800
19. Amount = Principle + \_\_\_\_\_
- (A) Loss
  - (B) Gain
  - (C) Interest
  - (D) C. I
20. Find the number of multiples of 7
- (A) 288
  - (B) Infinite
  - (C) 988
  - (D) 700

21. How many prime numbers are there between 1 and 100

(A) 25

(B) 24

(C) 30

(D) 60

22. Which of the following is a perfect square

(A) 24

(B) 28

(C) 25

(D) 27

23. What is the HCF of two prime numbers

(A) 1

(B) 2

(C) 3

(D) 0

24. Every prime number is

(A) Odd

(B) Even

(C) Perfect

(D) None of these

25. Largest 8-digit number is

(A) 48000000

(B) 99999999

(C) 10000000

(D) 98989898

## REASONING

**Directions: (Q.nos.1-2)**

**Selects the related letter/word/number from the given alternatives.**

**1. Scissors : Cloth :: ?**

- (A) Axe : Wood
- (B) Stone : Grinder
- (C) Knife : Stone
- (D) Sickle : Brick

**2. 5 :2431 :: 8:?**

- (A) 4287
- (B) 5461
- (C) 7624
- (D) 6743

**Directions (Q.Nos. 3-4)**

**Find the missing number/letter from the given responses.**

**3. AGM,BHN,CIO,?**

- (A) COU
- (B) FQK
- (C) DJP
- (D) QXD

**4. 5,7,11, ?,35,67**

- (A) 23
- (B) 28
- (C) 30
- (D) 10

**5. Arrange the following words according to English dictionary.**

- |             |            |
|-------------|------------|
| 1) Preach   | 2) Praise  |
| 3) Precinct | 4) Precept |

- (A) 2,1,4,3
- (B) 2,1,3,4
- (C) 1,2,3,4
- (D) 4,3,2,1

**6. Bharati is 8 ranks ahead of Divya who ranks twenty-sixth in a class of 42.what is Bharati's ranks from the last?**

- (A) 9<sup>th</sup>
- (B) 24<sup>th</sup>
- (C) 25<sup>th</sup>
- (D) 34<sup>th</sup>

7) In a certain code, if AUDITORIUM is written as MUIROTIDUA, how will MISFORTUNE be written in that code?

- (A) ENUTROFSIM
- (B) ENUTROMISF
- (C) TUNEROFSIM
- (D) TUNEISFOR

8) If  $\times$  stands for 'addition',  $\div$  stands for 'subtraction',  $+$  stands for 'multiplication' and  $-$  stands for 'division', then  $20 \times 8 \div 8 - 4 + 2 = ?$

- (A) 80
- (B) 25
- (C) 24
- (D) 5

9. 12:30 :: 14: ?

- (A) 36
- (B) 28
- (C) 35
- (D) 42

10.  $3 \times 3 + 3 - 3 + 3 = ?$

- (A) 9
- (B) 12
- (C) -3
- (D) 3

## ENGLISH

1. Which of the following is an uncountable noun?  
(A) Work  
(B) Bags  
(C) Girl  
(D) Book
2. Which of the following is a countable noun?  
(A) Fun  
(B) advice  
(C) dirt  
(D) leaf
3. New York is \_\_\_\_\_ large city.  
(A) a  
(B) the  
(C) no article  
(D) an
4. Are you attending \_\_\_\_\_ reception today  
(A) an  
(B) no article  
(C) the  
(D) a
5. \_\_\_\_\_ oranges are grown in Nagpur  
(A) no article  
(B) an  
(C) a  
(D) the
6. It \_\_\_\_\_ a lot in Britain  
(A) rains  
(B) is rain  
(C) rained  
(D) rain
7. I \_\_\_\_\_ pizza very much  
(A) likes  
(B) is like  
(C) liked  
(D) like
8. Do you want \_\_\_\_\_ a complaint. (make)  
(A) made  
(B) to make  
(C) making  
(D) to make

9. He fears \_\_\_\_\_ in public. (dance)  
(A) dancing  
(B) danced  
(C) will dance  
(D) to dance
10. This problem \_\_\_\_\_ by your brother yesterday  
(A) was solved  
(B) will be solved  
(C) is solved  
(D) solves
11. My father wrote this book. It \_\_\_\_\_ by my father  
(A) will be wrote  
(B) was written  
(C) was write  
(D) is written
12. Rahul will pass the message –  
(A) The message will be passed by Rahul.  
(B) The message will passed by Rahul.  
(C) Rahul will be passed.  
(D) Message will be passed
13. His hard work satisfied me –  
(A) I was satisfied for his hard work.  
(B) I was satisfied with his hard work.  
(C) I satisfied with his hard work.  
(D) I did not satisfy with his hard work.
14. I have heard this .....
- (A) now  
(B) before  
(C) never  
(D) since
15. I have told you .....
- (A) never  
(B) twice  
(C) seldom  
(D) fully
16. This story is written .....
- (A) surely  
(B) certainly  
(C) well  
(D) once

17. She sings .....
- (A) delighted
  - (B) delightfully
  - (C) already
  - (D) never
18. Choose the synonym of 'Mendacity'
- (A) Insolence
  - (B) Risk taking nature or recklessness
  - (C) Untruthfulness
  - (D) Susceptibility
19. Choose the synonym of 'juxtaposing'
- (A) Posting
  - (B) Placing side by side
  - (C) Contrasting
  - (D) Combining
20. Choose the synonym of 'Obscure'
- (A) Block
  - (B) Obstruct
  - (C) Constrain
  - (D) Vague

## हिन्दी

1. हिंदी भाषा की लिपि है -  
(A) रोमन  
(B) चित्रलिपि  
(C) फारसी  
(D) देवनागरी
2. भाषण देना भाषा का कौन-सा रूप है -  
(A) लिखित  
(B) मौखिक  
(C) दोनों  
(D) दोनों में से कोई भी नहीं
3. भाषा के लिखने के ढंग को कहा जाता है -  
(A) लिपि  
(B) अक्षर  
(C) वर्ण  
(D) साहित्य
4. इनमें से कौन-सा शब्द भाववाचक संज्ञा है-  
(A) मिठास  
(B) दिल्ली  
(C) अनिरुद्ध  
(D) उसका
5. इनमें से स्त्रीलिंग शब्द नहीं हैं -  
(A) सेना  
(B) पृथ्वी  
(C) नेता  
(D) पुलिस
6. अंतर्राष्ट्रीय भाषा मानी जाती हैं -  
(A) हिंदी  
(B) चीनी  
(C) अंगेजी  
(D) जापानी
7. पत्र का पर्यायवाची -  
(A) पत्ता  
(B) चिट्ठी  
(C) कागद  
(D) सभी

8. इनमें से विशेषण है -  
(A) अच्छा  
(B) सुन्दर  
(C) पुराना  
(D) सभी
9. इनमें से अकर्मक क्रिया है -  
(A) बालक हँसता है |  
(B) रामन पानी पी रहा है |  
(C) राधा खाना खा रही है |  
(D) आराध्या लिख रही है |
10. 'मैं कल दिल्ली जाऊंगा' यह वाक्य किस काल में है ?  
(A) भूतकाल  
(B) भविष्य काल  
(C) वर्तमान काल  
(D) तीनों कालों में