ACHARYAKULAM
SAMPLE PAPER
ENTRANCE EXAM
FOR CLASS - VI

EXAM FORMAT AT A GLANCE

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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
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
   Minerals | Deficiency Disease
   (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

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

Q11. Which of the following is the disadvantage of dam?
   (A) Deforestation
   (B) Displacement of population
   (C) Lose of animals
   (D) Lose of animals

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 against 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
Q17. Mosquito that spreads Maleria :-
   (A) Male Anopheles
   (B) Female Anopheles
   (C) Male Ades
   (D) Female Ades

Q18. Mosquito that spreads Dengue :-
   (A) Male Anopheles
   (B) Female Anopheles
   (C) Male Ades
   (D) Female Ades

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) Himalyas

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:

1. Fraction is a
   (A) Part of whole
   (B) Circle
   (C) Triangle
   (D) Square

2. Mixed fraction = Nearest Natural Number +
   (A) Improper fraction
   (B) Proper fraction
   (C) Like fraction
   (D) Complex fraction

3. Decimals having the same number of decimal places are called
   (A) Like decimals
   (B) Unlike decimals
   (C) Decimals
   (D) Whole numbers

4. A Wall is about 364 cm. in meters it is equal to
   (A) 36.4 m
   (B) 3.64 m
   (C) 0.364 m
   (D) 0.0364 m

5. Compare: \( \frac{5}{6} - \frac{1}{2} \times \frac{3}{4} = \frac{2}{3} \)
   (A) < 
   (B) >
   (C) =
   (D) None of these

6. \( 7.5 \times 7.5 + 37.5 + 2.5 \times 2.5 = ? \)
   (A) 100
   (B) 80
   (C) 60
   (D) 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) $\overline{AB}$
    (B) $\overrightarrow{AB}$
    (C) $\overline{AB}$
    (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 AC then AC =______
   (A) AB  
   (B) BC  
   (C) 2AB  
   (D) 4AB 

16. The equality of two ration 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
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) 9th
   (B) 24th
   (C) 25th
   (D) 34th
7) In a certain code, if AUDITORIUM is written as MUIROTIDUA, how will MISFORTUNE be written in that code?

(A) ENUTOFSIM  
(B) ENUTROMISF  
(C) TUNEROFSIM  
(D) TUNEISFOR

8) If × stands for 'addition', ÷ stands for 'subtraction', + stands for 'multiplication' and-stands for 'division', then 20 × 8 ÷ 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 x 3 + 3 - 3 + 3 = ?

(A) 9  
(B) 12  
(C) -3  
(D) 3
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
1. हिन्दी भाषा की लिपि है -
   (A) रोमन
   (B) चित्रलिपि
   (C) फारसी
   (D) देवनागरी

2. भाषणदेना 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) अंशर
   (C) वर्ण
   (D) साहित्य

4. इनमें से कौन-सा शब्द भाववाचक संज्ञा है -
   (A) मिठाया
   (B) विल्ही
   (C) अनिर्देश
   (D) उसका

5. इनमें से खुलिंग शब्द नहीं हैं -
   (A) सेना
   (B) पृथ्वी
   (C) लेखा
   (D) पुलिस

6. अंतर्राष्ट्रीय भाषा मानी जाती है -
   (A) हिन्दी
   (B) चीनी
   (C) अंग्रेजी
   (D) जापानी

7. पत्र का पर्यायवाची -
   (A) पत्ता
   (B) चिठ्ठी
   (C) कागद
   (D) सभी
8. इनमें से विशेषण है –
(A) अच्छा
(B) सुन्दर
(C) पुराना
(D) सभी

9. इनमें से अक्षरीय क्रिया है –
(A) बालक हेमसता है |
(B) रामन पानी पी रहा है |
(C) राधा खाना खा रही है |
(D) आराध्या लिख रही है |

10. 'मै कल दिल्ली जाऊंगा' यह वाक्य किस काल में है?
(A) भूतकाल
(B) भविष्य काल
(C) वर्तमान काल
(D) तीनों कालों में