



ACHARYAKULAM

SAMPLE PAPER

ENTRANCE EXAM

FOR CLASS - VII

EXAM FORMAT AT A GLANCE

TIME : 3 HRS.

MM : 100

GK & CURRENT	E.V.S	MATHS	REASONING	ENGLISH	HINDI
5	25	30	5	25	10

GK & CURRENT AFFAIRS

1. The third private train of the IRCTC is set to run between Varanasi and which Indian city?
(A) Indore
(B) Bhopal
(C) Nagpur
(D) Jaipur

2. Which country recently launched a driver-less bullet train with the speed up to 350 km/h?
(A) Russia
(B) China
(C) Singapore
(D) USA

3. India's first underwater metro project is set to be launched in which city?
(A) Kochi
(B) Chennai
(C) Kolkata
(D) Mumbai

4. Which new national mission was launched by the Prime Minister of India on 15th August 2020?
(A) National Cleanliness Mission
(B) National Digital Education Mission
(C) National Digital Health Mission
(D) National Food Safety Mission

5. 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

SCIENCE

1. Which part of a mustard plant is edible?
(A) Seeds and flowers
(B) Leaves and flowers
(C) Seeds and leaves
(D) Stem and roots
2. Vitamins and minerals are
(A) protective food
(B) energy giving food
(C) body building food
(D) roughage
3. Major part of the air is constituted by
(A) nitrogen
(B) oxygen
(C) carbon dioxide
(D) inert gases
4. Which is not a part of water cycle?
(A) Cloud formation
(B) Rain
(C) Drinking by animals
(D) Sun
5. Material that are difficult to compress are called as _____
(A) Hard material
(B) soft material
(C) sponge material
(D) None of these
6. Butter paper is
(A) Transparent
(B) Translucent
(C) Opaque
(D) Oily
7. All the deficiency diseases can be prevented by
(A) Cleanliness
(B) taking medicine at proper time
(C) vaccination
(D) taking balanced diet
8. Which of the following type of plants has thick, hard and woody stem?
(A) Tree
(B) Shrub
(C) Herb
(D) All of these
9. Air is _____
(A) a mixture
(B) a pure substance
(C) an element
(D) anything, that depends on the place where it is found

10. Innermost part of the flower is
 - (A) Stamen
 - (B) Pistil
 - (C) Sepal
 - (D) Petal

11. Animals which eat only plants and plants products
 - (A) Insectivores
 - (B) Omnivores
 - (C) Carnivores
 - (D) Herbivores

12. Parallel venation is NOT found in
 - (A) Sugarcane
 - (B) Peepal
 - (C) Maize
 - (D) Wheat

13. Fixed joints are found in
 - (A) lower jaw
 - (B) skull
 - (C) hands
 - (D) hip bone

14. Which is an example of a magnetic substance
 - (A) Iron
 - (B) Nickel
 - (C) Cobalt
 - (D) All of these

15. Which of the following changes cannot be reversed?
 - (A) Milk to paneer
 - (B) Cold milk to hot milk
 - (C) Yarn to knitted sweater
 - (D) Wet clothes to dry clothes

16. Which one of the following is NOT a synthetic fibre
 - (A) Polyester
 - (B) Nylon
 - (C) Acrylic
 - (D) Silk

17. _____ eclipse occurs when earth comes between sun and moon in a straight line.
 - (A) Solar
 - (B) Lunar
 - (C) Shadow
 - (D) None of these

18. Method of preparing compost using redworms is called as
 - (A) Composting
 - (B) Vermicomposting
 - (C) Landfill
 - (D) None of these

19. Name the longest and strongest bone in human body
(A) Backbone
(B) Collar bone
(C) Thigh bone
(D) None of these
20. Which one is the best for health?
(A) Sprouted seeds
(B) Roasted seeds
(C) Wet swollen seeds
(D) Boiled seeds
21. Choose the wrong statement
(A) Heat can destroy magnetic properties of a magnet.
(B) Magnets are made up of different materials and different shapes.
(C) There is a maximum attraction in middle of a magnet.
(D) Magnetite does not show magnetic properties.
22. Which of the following can never form a circular shadow?
(A) A ball
(B) A flat disc
(C) A shoe box
(D) An ice cream cone
23. 15 cm are equal to
(A) 150 mm
(B) 15 mm
(C) 1.5 mm
(D) 0.15 mm
24. Filament of a bulb is made up of
(A) Aluminium
(B) Chromium
(C) platinum
(D) tungsten
25. Motion of a butterfly can be described as _____
(A) Periodic motion
(B) Circular motion
(C) Rectilinear motion
(D) Random motion

MATHEMATICS

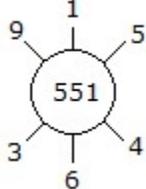
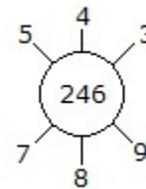
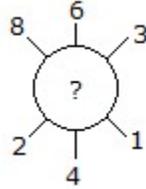
- Find a whole number m , such that $m=2m$
(A) 20
(B) 100
(C) 0
(D) 1
- How many centimetres make a meter.
(A) 1
(B) 10
(C) 100
(D) 1000
- What is the difference between the greatest and the least number that can be written using the digits 6,2,7,4,3, each only once
(A) 50000
(B) 52965
(C) 52865
(D) 51965
- Predecessor of which two digit number has a single digit
(A) 9
(B) 10
(C) 0
(D) 11
- The only prime number which is also even
(A) 1
(B) 2
(C) 3
(D) 5
- An angle is made up of two _____ starting from common end point
(A) Vertex
(B) Line
(C) Line segment
(D) Rays
- Geometrical figure which has no dimension is
(A) Line
(B) Ray
(C) Point
(D) Plane
- The opposite of -7 is
(A) -7
(B) +7
(C) -6
(D) +6
- Name the property used here : $34 \times 17 = 17 \times 34$
(A) Associate property
(B) Commutative property
(C) Distributive property
(D) Closure property

10. Rita has ribbon of length 2070 mm. Sita has a ribbon whose length is 1232 mm shorter than that of Rita's ribbon. Approximate the length of ribbon that Sita has to nearest thousand.
(A) 500
(B) 1000
(C) 1500
(D) 2000
11. Which property is used in the following expression ?
 $(4 \times 9) \times 5 = 9 \times (5 \times 4)$
(A) Associative Property of Multiplication
(B) Distributive Property of Multiplication
(C) Associative Property of Addition
(D) Commutative Property of Addition
12. Danielle had a slime party and each friend got to take home $\frac{6}{10}$ of a pound of slime. If 4 friends attend her party, between which two whole numbers is the total amount of slime that Danielle needs to buy?
(A) 0 and 1
(B) 1 and 2
(C) 2 and 3
(D) 3 and 4
13. THE FOLLOWING NUMBERS ARE ALL _____ OF 7 ?
7,14,21,28,35,42,49,56.....
(A) ANSWERS
(B) NUMBERS
(C) FACTORS
(D) MULTIPLES
14. Which of the following numbers are twin primes?
(A) 3, 7
(B) 5, 7
(C) 7, 11
(D) 15, 17
15. A number is divisible by 9 if the sum of the digits is divisible by ____
(A) 9
(B) 3
(C) 18
(D) None of these
16. The diagonal of a quadrilateral are formed by joining
(A) Opposite sides
(B) Opposite vertices
(C) Adjacent vertices
(D) Adjacent sides
17. The point of intersection of a pair of adjacent sides of a polygon is called its
(A) Diagonal
(B) Vertex
(C) Adjacent angle
(D) None of these
18. A parallelogram with 4 right angles is called ____
(A) Rhombus
(B) Rectangle
(C) Trapezium
(D) None of these

19. The set of all points in space which are equidistant from a fixed point is called_____
- (A) Circle
 - (B) Pyramid
 - (C) Sphere
 - (D) Cube
20. Which of the following represents the perimeter of a circle?
- (A) Radius
 - (B) Diameter
 - (C) Circumference
 - (D) Sector
21. A square garden has a perimeter of 100 feet. What is the length of each side?
- (A) 25 feet
 - (B) 50 feet
 - (C) 100 feet
 - (D) 400 feet
22. How many terms are in the expression below?
- $$3x^2 + 2xy - 3$$
- (A) 1
 - (B) 2
 - (C) 3
 - (D) 4
23. Mr Ashirwad records that 48% of his class do their homework on time. What decimal represents the percent of students who hand it in late.
- (A) 0.62
 - (B) 0.48
 - (C) 0.052
 - (D) 0.52
24. In my fish tank, the ratio of red fish to blue fish is 3:5. There are 20 blue fish. How many red fish are there?
- (A) 4
 - (B) 12
 - (C) 15
 - (D) 18
25. In a certain apartment building, the ratio of tenants to cars is 3:5. If there are 30 tenants, how many cars are there?
- (A) 18
 - (B) 35
 - (C) 50
 - (D) 60
26. Premansh enlarged the size of a photo to a height of 18 in. What is the new width if it was originally 2 in. tall and 1 in. wide?
- (A) $\frac{1}{9}$
 - (B) 9
 - (C) 36
 - (D) 1.3

27. Which of the following alphabet has vertical line of symmetry?
(A) B
(B) E
(C) V
(D) S
28. How many measurements are required to construct a quadrilateral, uniquely?
(A) Three
(B) Four
(C) Five
(D) Six
29. What will be the fraction for the fractional number SEVEN-ELEVENTHS
(A) $11/7$
(B) $117/11$
(C) $7/11$
(D) $711/11$
30. Which is the formula for volume?
(A) Base x Height
(B) Length x Width
(C) Length x Width x Height
(D) Surface Area x Height

REASONING

1.	<p style="text-align: center;">What time should the last watch show?</p> <div style="text-align: center;">  </div> <p>(A) 5:19 (B) 10:10 (C) 5:20 (D) 4:25</p>
2.	<p style="text-align: center;"><i>If + denotes \div, - denotes + and \times denotes - then the value of $729 + 81 \times 10 - 25 = ?$</i></p> <p>(A) 23 (B) 24 (C) 26 (D) 28</p>
3.	<p>Look at this series: 53, 53, 40, 40, 27, 27, What number should come next?</p> <p>(A) 23 (B) 14 (C) 26 (D) 28</p>
4.	<p>The words in the bottom row are related in the same way as the words in the top row. Find the word that completes the bottom row of words.</p> <p>Rule command dictate</p> <hr style="width: 20%; margin-left: 0;"/> <p>doze sleep ?</p> <p>(A) snore (B) govern (C) awaken (D) hibernate</p>
5.	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>551</p> </div> <div style="text-align: center;">  <p>246</p> </div> <div style="text-align: center;">  <p>?</p> </div> </div> <p>(A) 237 (B) 622 (C) 225 (D) 894</p>

ENGLISH

1. Which of the following is the past form of the verb 'dwell'?
(A) dwells
(B) dwelling
(C) dwelt
(D) Dwole

2. The noun form of the adjective 'rare' is _____
(A) rareness
(B) rarement
(C) rarely
(D) rarity

3. The proper word for a 'group' of elephant is _____
(A) herd
(B) cattle
(C) flock
(D) bunch

4. His courage won him honour. The word 'honour' is _____
(A) Adjective
(B) Adverb
(C) Noun
(D) Verb

5. Give the right suffix for the word 'king' to make it an abstract noun
(A) -ly
(B) -dom
(C) -ness
(D) -ance

6. The masculine form of 'duck' is
(A) Drone
(B) Gander
(C) Goose
(D) Drake

7. The young one of a cat is
(A) puppy
(B) kid
(C) kitten
(D) calf

8. He is a _____ teacher.
(A) Retiring
(B) retired
(C) retire
(D) retirant

9. She often goes to the cinema.
(A) Adverb of time
(B) Adverb of Degree
(C) Adverb of Frequency
(D) Adverb of Manner
10. What is the suitable prefix for the word 'polite'?
(A) Un
(B) Non
(C) In
(D) Im
11. Which is the correct spelling?
(A) address
(B) adress
(C) adres
(D) addres
12. The plural for 'man-servant' is
(A) manworkers
(B) man-servants
(C) mans-servant
(D) men-servants
13. Choose the correct animal cry to complete the sentence:
'Dogs bark, lions roar but frogs _____'
(A) coo
(B) bleat
(C) croak
(D) cluck
14. What should be the statement to the interrogative:
"Does he run a hotel in Delhi?"
(A) He is running a hotel in Delhi
(B) He does run a hotel in Delhi
(C) He does run a hotel at Delhi
(D) He runs a hotel in Delhi
15. Change the following into an indirect statement and indicate the correct one:
He said to me, "What are you doing?"
(A) He said to me that what he was doing
(B) He said to me that what I was doing
(C) He asked me what I was doing
(D) He asked me what he was doing
16. Change into passive voice:
"I am playing tennis"
(A) Tennis is playing by me
(B) I am being played
(C) Tennis is being played by me
(D) Tennis is played by me

17. Which of the following sentences is in Passive Voice?
(A) I want to purchase a plot here
(B) She knows swimming very well
(C) You cannot compete in this game this year
(D) She was awarded the British Council Scholarship in 1999
18. Your statement is very much similar _____ mine.
(A) to
(B) of
(C) about
(D) on
19. Will you be here _____ the weekend?
(A) in
(B) on
(C) about
(D) at
20. Can you tell me _____?
(A) why you are so sad
(B) why will you be so sad
(C) how are so sad
(D) why are you so sad
21. It always rains _____ September.
(A) At
(B) In
(C) On
(D) Through
22. There are two things _____ affect temperature.
(A) Which
(B) Who
(C) Where
(D) When
23. There _____ many rivers in Itlay.
(A) Is
(B) Are
(C) Was
(D) Am
24. UAE lies _____ the Arabian Gulf.
(A) In
(B) At
(C) On
(D) With
25. He didn't get a driving lesson _____ he is too young.
(A) Because
(B) Or
(C) From
(D) And

हिन्दी

उचित विकल्प का चयन करें—

1. सहोदर में उपसर्ग है—
(A) सं
(B) सह
(C) स
(D) सह्
2. सरपंच में उपसर्ग है—
(A) सर
(B) स
(C) सर्
(D) सं
3. लोहार में प्रत्यय है—
(A) र
(B) हार
(C) आर
(D) अर्
4. मुंबइया में प्रत्यय है—
(A) इया
(B) ईया
(C) इय
(D) ईय
5. मुखचंद्र में समास है—
(A) द्वंद्व
(B) द्विगु
(C) कर्मधारय
(D) बहुव्रीहि
6. बच्चे—बूढ़े में समास है—
(A) द्वंद्व
(B) द्विगु
(C) कर्मधारय
(D) बहुव्रीहि
7. त्रिफला में समास है—
(A) द्वंद्व
(B) द्विगु
(C) कर्मधारय
(D) बहुव्रीहि

8. 'थैले में' कारक है—
(A) अपादान कारक
(B) संबंध कारक
(C) अधिकरण कारक
(D) संबोधन कारक
9. 'हे ईश्वर!' कारक है—
(A) अपादान कारक
(B) संबंध कारक
(C) अधिकरण कारक
(D) संबोधन कारक
10. सूचना का विशेषण है—
(A) सुचित
(B) सूचीत
(C) सूचत
(D) सूचित