ACHARYAKULAM
SAMPLE PAPER
ENTRANCE EXAM
FOR CLASS - VII

EXAM FORMAT AT A GLANCE

TIME : 3 HRS.          MM : 100

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<td>5</td>
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<td>10</td>
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</tbody>
</table>
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 Minster 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
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
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
1. Find a whole number m, such that m=2m
   (A) 20
   (B) 100
   (C) 0
   (D) 1

2. How many centimetres make a meter.
   (A) 1
   (B) 10
   (C) 100
   (D) 1000

3. 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

4. Predecessor of which two digit number has a single digit
   (A) 9
   (B) 10
   (C) 0
   (D) 11

5. The only prime number which is also even
   (A) 1
   (B) 2
   (C) 3
   (D) 5

6. An angle is made up of two _______ starting from common end point
   (A) Vertex
   (B) Line
   (C) Line segment
   (D) Rays

7. Geometrical figure which has no dimension is
   (A) Line
   (B) Ray
   (C) Point
   (D) Plane

8. The opposite of -7 is
   (A) -7
   (B) +7
   (C) -6
   (D) +6

9. Name the property used here : 34x17 = 17x34
   (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) 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


<table>
<thead>
<tr>
<th></th>
<th>Reasoning</th>
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<tbody>
<tr>
<td>1.</td>
<td>What time should the last watch show?</td>
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<td><img src="image_url" alt="Watch Images" /></td>
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<tr>
<td></td>
<td>(A) 5:19</td>
</tr>
<tr>
<td></td>
<td>(B) 10:10</td>
</tr>
<tr>
<td></td>
<td>(C) 5:20</td>
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<td>(D) 4:25</td>
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<td>2.</td>
<td>If + denotes ÷, − denotes + and × denotes −, then the value of 729 + 81 × 10 − 25 =?</td>
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<td>(A) 23</td>
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<td>(B) 24</td>
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<td>(C) 26</td>
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<td>(D) 28</td>
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<td>3.</td>
<td>Look at this series: 53, 53, 40, 40, 27, 27, ……… What number should come next?</td>
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<td>(A) 23</td>
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<td>(B) 14</td>
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<td>(C) 26</td>
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<td>(D) 28</td>
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<td>4.</td>
<td>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.</td>
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<td>Rule command dictate</td>
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<td></td>
<td>doze sleep ?</td>
</tr>
<tr>
<td></td>
<td>(A) snore</td>
</tr>
<tr>
<td></td>
<td>(B) govern</td>
</tr>
<tr>
<td></td>
<td>(C) awaken</td>
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<td>(D) hibernate</td>
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<td>(A) 237</td>
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<td>(B) 622</td>
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<td></td>
<td>(C) 225</td>
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<td>(D) 894</td>
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</tbody>
</table>
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) adrres
    (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 Italy.
    (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
उद्धित विकल्प का चयन करें—

1. सहोदर में उपसर्ग है—
   (A) सं
   (B) सह
   (C) स
   (D) सह

2. सरपंच में उपसर्ग है—
   (A) सर
   (B) स
   (C) सरू
   (C) सं

3. लोहार में प्रत्यय है—
   (A) र
   (B) हार
   (C) आर
   (D) अर

4. मुंडि में प्रत्यय है—
   (A) इया
   (B) ईया
   (C) ईय
   (D) ईय

5. मुखचंद में समास है—
   (A) धैर
   (B) धिङूः
   (C) कर्मधारय
   (D) बहुश्रीहि

6. बच्चे—बूढ़े में समास है—
   (A) धैर
   (B) धिङूः
   (C) कर्मधारय
   (D) बहुश्रीहि

7. त्रिकला में समास है—
   (A) धैर
   (B) धिङूः
   (C) कर्मधारय
   (D) बहुश्रीहि
8. 'बैले 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) सूचित
(D) सूचित