

Practice Test - 1

Class - VI

(For students moving to Class VII)

SUBJECTS

Science

- Physics
- Chemistry
- Mental Ability

For More information

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ISAT Practice Test

1

Time: 1 Hr 15 Min

Maximum Marks: 168

CLASS-6

General Instructions

1. There are a total of **42** multiple choice questions.
2. This test contains 3 section (Science, Mathematics and Mental Ability).
3. **Marking Scheme:**
+4 Correct Response, -1 Incorrect Response, 0 No response

DATE: ____/____/____

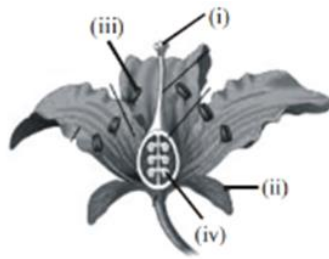
NAME:

SCIENCE

- (1) Metals can be beaten in to sheets, this property is called:
(a) Ductility (b) Elasticity (c) volatility (d) Mellability
- (2) The most essential property of substance to be used as a cooking vessel is
(a) conductance of heat (b) Ductility
(c) conductance of electricity (d) All of the above
- (3) If one stands facing the east, then north will be on his/her _____side and south will be on the _____ side.
(a) left, right (b) right, left
(c) both (a) and (b) (d) can't be explained
- (4) The compass needle is based on the principle that
(a) a magnet attracts magnetic metal
(b) the magnet comes to rest in the North-South direction
(c) the magnet get attracted when another magnet is brought near
(d) The magnet has two poles.
- (5) Which of the following are insulators?
(a) Brass, Gold, Steel (b) Tap water, human body, silver
(c) moist air, human body (d) pure water, air, mica
- (6) Material which allow electric current to pass through them are called
(a) conductors (b) insulators (c) reflectors (d) electric switches

- (7) Milk : volume :: vegetables : ?
 (a) area (b) volume (c) length (d) mass
- (8) Shadow formed by sunlight is longest
 (a) at noon (b) at night (c) in the morning (d) none of these
- (9) Marks the correct statements
 I. All forms of matter have volume
 II. All forms of matter have colour
 III. All forms of water have mass
 IV. Matter can be living or non-living
 (a) I and II only (b) I, III and IV only
 (c) III and IV only (d) I, II, III and IV
- (10) Paper, cloth, petrol, glass and iron can be classified as
 (a) soluble and insoluble solids (b) combustible and non-combustible
 (c) Elastic and hard solids (d) transparent and opaque solids
- (11) Water is considered as a very good solvent as water can dissolve
 (a) only solids (b) solids and liquids
 (c) only liquids (d) solid, liquid and gases
- (12) The rate of evaporation increases with
 (a) decrease in temperature (b) increase in temperature
 (c) increase in volume of liquid (d) decrease in volume liquid
- (13) The new substance formed during a chemical reaction are called
 (a) reactants (b) products (c) molecules (d) atoms
- (14) When a heated metal is cooled, it
 (a) expands (b) contracts (c) doesn't change (d) both (a) and (b)
- (15) Marasmus is caused due to diet insufficient in
 (a) proteins (b) carbohydrates (c) fats (d) all of these
- (16) Solution of iodine when dropped on a piece of potato turns
 (a) yellow-red in colour (b) violet in colour
 (c) red-brown in colour (d) blue-black in colour
- (17) The hinge joint allows movement in
 (a) all direction
 (b) one plane only
 (c) two planes only
 (d) depends on where the joints is located in the body
- (18) Muslin cloth is used for:
 (a) Filtration (b) sedimentation (c) decantation (d) condensation
- (19) Which food items do you suggest to include in the diet of a person suffering from bleeding of gums?
 (a) Amla (b) guava
 (c) Both (a) and (b) (d) Milk
- (20) Stem of plant
 (a) conducts water and minerals (b) conducts food
 (c) support the plants (d) all of these

(21) The given figure represents a section of a flower.



Which part bears female gamete?

- (a) (i) (b) (ii) (c) (iii) (d) (iv)

MATHS

(22) The following pictograph shows the number of mangoes purchased for a home during first four months of an year. Read the table and answer the question given below

Months	Number of mangoes = 5 mangoes
January	
February	
March	
April	

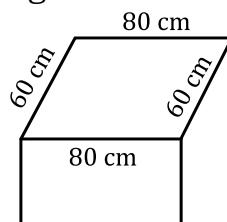
Find the number of mangoes purchased for a home during January to March is

- (a) 60 (b) 25 (c) 30 (d) 80

(23) Seven times a number added to five times the same number gives the result 192. The number is

- (a) 12 (b) 96 (c) 32 (d) 16

(24) Find the distance covered by an insect in crawling along the edges of top of the rectangular table as shown in the figure.



- (a) 220 cm (b) 200 cm (c) 280 cm (d) 240 cm

(25) In a magic square each row, column and diagonal have the same sum, then the values of A and B are respectively

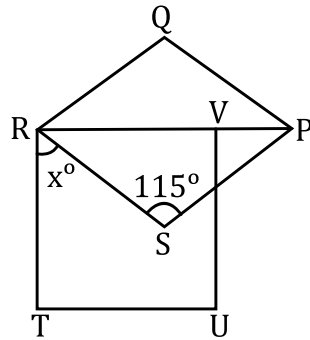
3	-4	1
-2	A	2
-1	B	-3

- (a) 4, 1 (b) 4, 0 (c) 1, 1 (d) 0, 4

(26) $4(x - 3) - 2(x + 3) = 6(x + 5) - 8$, then the value of x is

- (a) 10 (b) -12 (c) -10 (d) 44

- (27) In the given figure, PQRS is a rhombus and RVUT is a square. Then find x°



- (a) $122\frac{1}{2}^\circ$ (b) $32\frac{1}{2}^\circ$ (c) $57\frac{1}{2}^\circ$ (d) $65\frac{1}{2}^\circ$
- (28) Absolute value of $2 \times 3 - 4 \times 5$ is
 (a) 10 (b) -14 (c) 14 (d) -11
- (29) The value of $1 + \frac{1}{2 + \frac{1}{3 + \frac{1}{4}}}$ is
 (a) $\frac{4}{29}$ (b) $\frac{5}{39}$ (c) $\frac{43}{4}$ (d) $\frac{43}{30}$
- (30) The perimeter of the right angled isosceles triangle is $(8 + 4\sqrt{2})$ cm, then area of triangle is
 (a) 8 cm^2 (b) 16 cm^2 (c) $2\sqrt{2} \text{ cm}^2$ (d) $32\sqrt{2} \text{ cm}^2$
- (31) The scale of electric bulbs on different days of a month is shown below and answer the following question.


Months	Number of Electric Bulbs = 5 bulbs
January	
February	
March	
April	


Find the total number of electric bulbs sold in all the months.

- (a) 80 (b) 100 (c) 20 (d) 200
- (32) What is 1 billion = ----- millions
 (a) 10 (b) 100 (c) 1000 (d) 10000
- (33) What is the value of the expression $\left[\frac{14}{3} \left(2\frac{3}{7} - 3\frac{1}{6} + 1\frac{2}{3} \right) \right]$?
 (a) $1\frac{1}{2}$ (b) $2\frac{1}{3}$ (c) $3\frac{1}{3}$ (d) $4\frac{1}{3}$


- (34) Which is smaller among $\frac{6}{-7}$ and $\frac{-5}{9}$?
- (a) $\frac{-5}{9}$ (b) $\frac{6}{-7}$ (c) both are equal (d) None of these
- (35) Express $(-2)^{-3} \div m^{-3}$ in the form of $\left(\frac{a}{b}\right)^3$.
- (a) $\frac{-m}{2^3}$ (b) $\left[\frac{m}{-2}\right]^3$ (c) $\frac{(m)^3}{2^3}$ (d) $-\left[\frac{2}{m}\right]\left[\frac{-2}{m}\right]$

MENTAL ABILITY


- (36) Answer the given question based on the following English alphabet:
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Which letter is 5th to the right of letter P?
- (a) V (b) T (c) U (d) K
- (37) Regina wants to go to eat pizza in Dominos. She starts from Woodland shop which is in the East and comes to the crossing. The pathway to her Left ends in PVR cinemas, straight ahead is the MacDonald's. In which direction is the Dominos?
- (a) East (b) North (c) South (d) West
- (38) If the code for HORSE is SLIHV, what is the code for DONKEY in the same code language?
- (a) WLPMBV (b) WLMPVB (c) WLPMBV (d) WLMPBV
- (39) A person starts walking towards East direction. He then turned right, then again turn right and finally turned left. In which direction he is walking now?
- (a) North (b) South (c) East (d) West
- (40) Choose the mirror image of the following figure (X).
- 

(X)
- 


(a)



(b)



(c)



(d)
- (41) In a row of girls Aditi is 10th from right and 18th from left. How many girls are there in the row?
- (a) 27 (b) 25 (c) 28 (d) 29
- (42) Choose the number letter group which is different from the others.
- (a) XD6 (b) NG2 (c) RF3 (d) VL2



CONGRATULATIONS
ISAT 2022
Toppers



Adya Sharma



Kavya Aga



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Hiya shah



Vandit Kotecha

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CLASS-6-ISAT-PRACTISE TEST-1-ANSWER KEY

1.	(d)	2.	(a)	3.	(a)	4.	(b)	5.	(d)	6.	(a)	7.	(d)	8.	(c)
9.	(b)	10.	(b)	11.	(d)	12.	(b)	13.	(b)	14.	(b)	15.	(d)	16.	(d)
17.	(b)	18.	(a)	19.	(a)	20.	(d)	21.	(d)	22.	(a)	23.	(d)	24.	(c)
25.	(d)	26.	(c)	27.	(c)	28.	(c)	29.	(d)	30.	(a)	31.	(b)	32.	(b)
33.	(d)	34.	(b)	35.	(b)	36.	(c)	37.	(b)	38.	(b)	39.	(b)	40.	(c)
41.	(a)	42.	(d)												