

**KENDRIYA VIDYALAYA SANGATHAN, MUMBAI REGION**  
**Subject : Science**  
**Learning Ability Test (LAT) Entry Test For Class VII**  
**Session : 2017-18**

**Time-60 Minutes**

**Max. Marks 50**

**General Instructions:-**

1. All question are compulsory.
2. This paper contains 100 questions.
3. All the question are of multiple choice type (MCQ).
4. Each question carries one mark.
5. There is no overall choice.
6. You are to select one most appropriate response out of the choice provided to you.

(1) A child is dependent on fast food, which disease / disorder he is likely to suffer from

- (a) obesity                      (b) scurvy                      (c) Rickets                      (d) Anemia

(2) Name the vegetable which consists of high level of sugar-

- (a) Beet                      (b) onion                      (c) Carrot                      (d) cauliflower

(3) The staple diet of an area is rice. what nutrients is provided by rice?

- (a) starch                      (b) protein                      (c) Fat                      (d) mineral

(4) Jute, a natural fibre is obtained from which part of the plant

- (a) Root                      (b) Stem                      (c) Leaves                      (d) Flower

(5) Identify the biodegradable waste among the items given below ;

- (a) Nylon                      (b) Vegetable peel                      (c) Polythene                      (d) Plastic

(6) Sugar is added in a glass of water, you would not get sugar after sometimes because sugar is considered to be

- (a) Volatile                      (b) Non volatile                      (c) Soluble                      (d) Insoluble

(7) By mistake oil spills on a page of your notebook. The paper of the notebook becomes

- (a) Opaque                      (b) Transparent                      (c) Translucent                      (d) None of the above

(8) Which among the following is an example of reversible change

- (a) Melting of wax                      (b) setting of curd  
(c) Burning of candle                      (d) Cooking of food

(9) During summer, plant wilts when exposed to sun due to following phenomenon

- (a) Respiration
- (b) Digestion
- (c) Transpiration
- (d) Movement

(10) Which among the following is/are natural fibres

- (a) Silk
- (b) Wool
- (c) Jute
- (d) All the above

(11) If you keep water collected from a gutter in a glass, you find heavy particle in water settle at the bottom after some time. This is due to

- (a) Filtration
- (b) Decantation
- (c) Sedimentation
- (d) Sublimation

(12) A student brought a root of paddy plant. Teacher identified it as a fibrous root. Because it had

- (a) Single thick root
- (b) Cluster of roots
- (c) Lateral root
- (d) main one root

(13) Ram's grandfather is separating cotton fibers from its seed. The process is named as

- (a) Ginning
- (b) Spinning
- (c) Wearing
- (d) Knitting

(14) Nita wanted to test whether egg contains proteins or not. She tested it with some chemicals. Which of the following were used by her for the test

- (a) Copper sulphate only
- (b) caustic soda only
- (c) Both a & b only
- (d) Iodine only

(15) Students prepared pinhole camera and observed an inverted image of the object viewed from it. It shows that light travels in

- (a) Straight line
- (b) Curved manner
- (c) Zig zag manner
- (d) All of these

(16) You are sitting on a chair. Upon which bone are you laying your weight

- (a) Rib bone
- (b) Pectoral bone
- (c) Pelvic bone
- (d) Back bone

(17) Camel drinks a large amount of water. Name the part in which camels store water

- (a) Intestine
- (b) Stomach
- (c) Liver
- (d) hump

(18) Get the impression of a leaf with the help of pencil and you find the design of veins is net like on the both side of the midrib. The leaf has

- (a) Parallel venation
- (b) Reticulate venation
- (c) Both a & b
- (d) None of the above

(19) Which one of the following is not the common characteristic of the living organism?

- (a) Growth
- (b) Need no food
- (c) Respiration
- (d) excretion

(20) Name the component of the food which does not provide any nutrient to our body but still it is an essential component--

- (a) Fat
- (b) Protein
- (c) Roughage
- (d) Starch

(21) After threshing, farmer has to separate grain from husk. Which of the following method would you suggest to the farmer?

- (a) Filtration
- (b) Decantation
- (c) Sieving
- (d) winnowing

(22) Which of the following will not sink in water-

- (a) Iron nail
- (b) dried leaf
- (c) Coin
- (d) Key

(23) Yarn is made from fiber by which of the following process

- (a) Weaving
- (b) Knitting
- (c) Ginning
- (d) Spinning

(24) Which is the correct statement about ovules?

- (a) Grow on the leaves
- (b) Outer covering of stomata
- (c) Non reproductive part of the plant
- (d) Bead like structure inside the ovary

- (25) Why should an electrician use rubber gloves while repairing an electric circuit
- (a) to make the surface smooth                      (b) to make the surface elastic  
(c) to protect himself from electric shock                      (d) none of the above
- (26) If a child is not taking iodine in his diet, which organ may likely to be affected?
- (a) Gum                      (b) Neck  
(c) Eye                      (d) Ear
- (27) Water droplets get deposited on the outer surface of a tumbler containing ice cold water. It is due to
- (a) Evaporation      (b) condensation  
(c) Sublimation      (d) Filtration
- (28) Cockroaches can walk, climb and fly. This is due to
- (a) Three pairs of legs only                      (b) Two pairs of wings only  
(c) Muscles in legs and breast                      (d) all the above
- (29) Choose the incorrect statement from the following statements-
- (a) The plants need light to grow                      (b) Plants require oxygen to respire  
(c) Plants do not need carbondioxide to make food                      (d) Plants needs water to grow
- (30) Which of the following organs is used by snail for movement?
- (a) Legs                      (b) Muscular foot                      (c) Wings                      (d) Fins
- (31) While playing Ramu accidentally hit Sita on her head but she did not suffer any brain injury. This may have been due to
- (a) Face                      (b) Skull  
(c) Shoulder bone      (d) Pectoral bone
- (32 ) When you hold a mirror in your hand, you see your image in mirror. This is due to
- (a) Refraction of light                      (b) Reflection of light  
(c) Dispersion of light                      (d) Scattering of light
- (33) Elbow moves back and forth. This is an example of
- (a) Hinge joint                      (b) Pivotal joint  
(c) Fixed joint                      (d) Ball & socket joint

- (34) The broad green part of leaf is known as
- (a) Petiole            (b) Vein  
(c) Lamina            (d) Midrib
- (35) Identify the false statement
- (a) Cow is herbivores            (b) Bear is omnivores  
(c) Monkey is carnivores            (d) Tiger is carnivores
- (36) Ashok put a piece of glass, a piece of plastic and a polythene paper bag in pot A. Mohit put vegetable peels in pot B. They covered both the pots with soil and sprinkle some water on them. After few weeks, it was found
- (a) Item in pot A changed into manure            (b) Item in pot B changed into manure  
(c) Item in pot A & pot B changed into manure            (d) Item in pot A & pot B does not changed into manure
- (37) Name the gas that plants gives out during photosynthesis
- (a) carbon di oxide            (b) oxygen            (c) nitrogen            (d) hydrogen
- (38) Which natural resource is used to generate electricity by wind mill is
- (a) Water            (b) Air            (c) Petrol            (d) Diesel
- (39) Mohit has a broken scale. He measured a line from the mark 2cm instead of zero. It measured to be 5cm on the scale. So the actual length of the line was
- (a) 2cm            (b) 3cm            (c) 4cm            (d) 5cm
- (40) On 26<sup>th</sup> January Rohit observed the soldiers marching at India gate. He identified their motion to be
- (a) Periodic`            (b) Rectilinear motion  
(c) Rotational motion            (d) none of these
- (41) Kamlesh can move her head towards left and right. This is possible due to
- (a) Ball and socket joint            (b) Hinge joint  
(c) Pivotal joint            (d) fixed joint
- (42) Ramesh made four electric circuits using nylon wire in circuit A, plastic wire in circuit B, jute string in circuit C, copper wire in circuit D. The bulb glow in which circuit?
- (a) A            (b) B  
(c) C            (d) D

(43) To make a page of a book, we require approximately

- (a) two glasses of water
- (b) eight glasses of water
- (c) one glass of water
- (d) ten glasses of water

(44) Clouds show movement, which is one of the characteristic of living organisms. Are they

- (a) Living
- (b) Non living
- (c) Dead
- (d) None of these

(45) By mistake iron nails & screws mixed with wooden shaving by a carpenter. He used a magnet to separate them. The magnet attracted -

- (a) Iron nails only
- (b) Screws only
- (c) Both iron nails and screw
- (d) Wood shaving

(46) Response to stimuli is a characteristic of living being. Which of these statements show the above characteristics

- (a) Watering of mouth on smelling food
- (b) Closing of eyes against bright light
- (c) moves hand away on touching hot object
- (d) all the above

(47) Himani ate chapatti, dal, potato, carrot for lunch. Out of these which is rich in vitamin A

- (a) Chapati
- (b) Dal
- (c) Carrot
- (d) Potato

(48) Two group of students group A and group B ate snacks. Group A took chips and Group B took sprouts. Which of the group got dietary fiber from the snacks?

- (a) Group A
- (b) Group B
- (c) Both group A & B
- (d) None of them

(49) Nisha collected some plants like tulsi, mango, tamarind, guava and separated the herbs from them.

- (a) Tulsi is a herb
- (b) Tulsi and mango are herbs
- (c) Tamarind and guava are herb
- (d) All are herbs

(50) Soft bones called cartilages are present in some parts of our body. Identify the organ having cartilage

- (a) Ear
- (b) Teet
- (c) Stomach
- (d) toes

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