



**JKG INTERNATIONAL SCHOOL, VIJAY NAGAR
HALF YEARLY EXAMINATION-(2019-2020)**



CLASS VII- SCIENCE- SAMPLE PAPER

General instructions

- The question paper comprises of three sections A, B and C. You are to attempt all the sections.
- All questions are compulsory.
- Internal choice is given in all sections A,B and C
- The question paper consists of 36 questions A, B and C.
- Section A comprises of 10 multiple choice questions of 1 mark each, 3 assertion-reason type questions of 1 marks each and 7 very short answer type questions of 1 marks each.
- Section B comprises of 10 short answer type questions of 3 marks each.
- Section C comprises of 6 long answer type questions of 5 marks each.
- Q 36 is related with general awareness only.
- Use of calculator is not permitted.

Time: 3 hours

Section A

Q1 The constant movement of..... by *Paramecium* pushes the food particles along with the water current into its mouth.

- a) Cilia
- b) Tentacles
- c) Feeding tube
- d) Sticky tongue

Q2are biochemical catalysts which hasten certain metabolic reactions taking place in the body without undergoing any change.

- a) Teeth
- b) Tongue
- c) Enzyme
- d) Liver

Q3absorbs the digested food

- a) Stomach
- b) Small intestine
- c) Large intestine
- d) Oesophagus

Q4 The process of removing hair from the body of a sheep is called.....

- a) Scouring
- b) Sorting
- c) Shearing
- d) Combing

Q5 The fleece of sheep is combed to remove.....

- a) Dust
- b) Dirt
- c) Burrs
- d) Grease

Q6 Which country leads the world in silk production?

- a) India
- b) China
- c) Pakistan
- d) Japan

Q7 The range of clinical thermometer is from 35°C to.....

- a) 90°C
- b) 42°C
- c) 44°C
- d) 45°C

Q8 Pressure cookers are provided with handles

- a) Copper
- b) Bakelite
- c) Aluminium
- d) Brass

Q9 The normal temperature of a healthy human body is.....

- a) 30°C
- b) 35°C
- c) 40°C
- d) 37°C

Q10 A substance is sour in taste, not soapy to touch and has no effect on yellow turmeric solution. It will affect..... Litmus paper.

- a) Red
- b) Blue
- c) Green
- d) Black

Direction (Q11- Q13) In the following question a statement of assertion is followed by a statement of reason .Mark the correct choice as:

- a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- b) If both Assertion and Reason are true but Reason is not correct explanation of Assertion.
- c) If Assertion is true, but Reason is false.
- d) If Reason is true, but Assertion is false.
- e) If both Assertion and Reason are false.

Q11 Assertion Oral Rehydration Solution (ORS) helps in treating dehydration.

Reason Dehydration causes loss of salts and water.

Q12 Assertion Equatorial regions are hotter than Polar Regions.

Reason Large scale cutting of trees causes deforestation.

Q13 Assertion Acids are sour in taste.

Reason Glucose is sour in taste.

Q14 What is the function of salivary gland?

Q15 Which acid is produced in our body?

Q16 Give one use of acetic acid?

Q17 What do you mean by insulators?

Q18 Why are woollen clothes worn in winters?

Q19 What are ruminants?

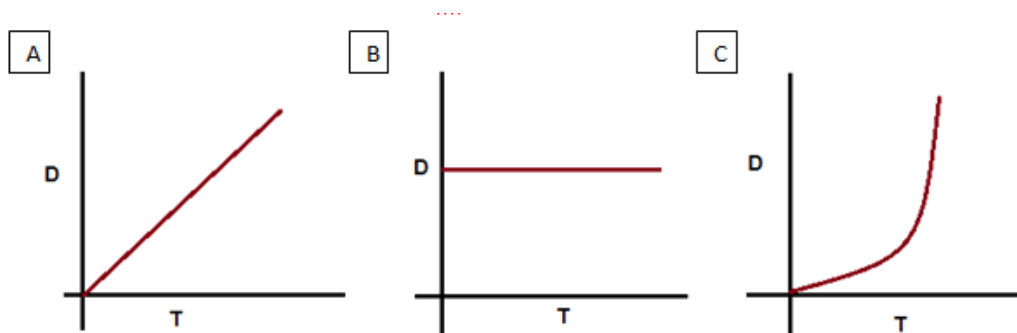
Q20 State two conditions necessary for rusting of iron?

OR

Give two example of physical change?

Section B

Q21 What type of motion is shown by by the following distance time graphs?



Q22 A car moves at a speed of 20km/hr for 15 minutes and then at a speed of 60km/hr for next 15 minutes. Calculate total distance covered by the car.

Q23 Give any three differences between inhalation and exhalation?

Q24 Give one natural source of each acid: Tartaric acid, Oxalic acid, Glycolic acid ?

OR

Rusting of iron objects is faster in coastal areas than in deserts. Why?

Q25 Give any three differences between Physical change and chemical change?

Q26 Explain any three survival characteristics of camel in desert?

Q27 Give reason why asbestos sheets are preferred over iron sheets for roofing?

Q28 Draw well labelled diagram of human respiratory system?

Q29 Explain briefly anaerobic respiration in muscles?

OR

In refrigerators, why are the freezers always located at the top?

Q30 What do you mean by breathing rate? Give reason why breathing rate increases during heavy exercise?

Section C

Q31

- Monika takes 20 minutes from her house to reach her school on a bicycle. If the bicycle has a speed of 3m/sec, calculate the distance between her house and the school in kilometres?
- A simple pendulum takes 312 seconds to complete 20 oscillations. What is the time period of this pendulum?
- Which device measures the speed in automobiles?

Q32

- Give any two differences between breathing and cellular respiration?

- b) How does sneezing protect us from germs?

OR

We have often seen an infant child after feeding on milk vomits out something like curd.
How does this happen?

- c) Name the breathing organ of Earthworm?

Q33

- a) What are tusks? How does an elephant make use of tusks for its survival?
b) List out four factors that determine the climate on Earth?
c) Name an instrument used to measure rainfall?

Q34

- a) Give any two differences between mineral acids and organic acids?
b) Give one use of each acid: nitric acid and sulphuric acid ?

OR

Which part of alimentary canal is involved in: (1) chewing of food (2) killing of bacteria
(3) absorption of food (4) formation of faeces?

- c) Which acid is formed in ant's sting?

Q35

- a) Shopkeeper selling ice blocks usually cover them with jute sacks. Explain why?
b) Convert 77°F into degree Celsius?
c) Name the thermometer used to measure the temperature of boiling water?

General Awareness

Q36

- a) What do you mean by catalysts?
b) Name the rare chemical element found on earth?
c) What do you mean by hydroponics?
d) What is the chemical name of Vitamin C?
e) What makes the Plaster of Paris?