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# CBSE
# Class VII
# Science Term 1
# Sample Paper - 2

## Biology

**Q1.** Which of the following does not produce any digestive enzymes?
(a) Pancreas
(b) Stomach
(c) Small intestine
(d) Large intestine

**Q2.** Digestion of cellulose in grass – eating animals occurs with the help of ____.
(a) Enzymes
(b) Bacteria
(c) Hormones
(d) Physical contraction of rumen

**Q3.** Food is ___ in the food vacuole in amoeba.
(a) Moved
(b) Transformed
(c) Digested
(d) Assimilated

**Q4.** Plants obtain carbon dioxide from air through ___.
(a) Stomata in leaves
(b) Xylem of root
(c) Leaf veins
(d) Stem surface

**Q5.** Which of the following transport water and minerals from the soil to the leaves?
(a) Xylem vessels
(b) Sieve tubes
(c) Parenchymatous cells
(d) Companion cells

**Q6.** The colour of chlorophyll in plants is ___
(a) Red
(b) Green

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(c) Yellow
(d) Orange

**Q7.** During transpiration, loss of water from plant occurs through ___.
(a) Roots
(b) Stem
(c) Stomata
(d) Flower

**Q8.** The chief function of the lymph node is to ____
(a) Produce white blood cells
(b) Destroy old red blood cells
(c) Produce hormone
(d) Destroy pathogens

**Q9.** The circulatory system consists of the heart, arteries, veins and ____.
(a) Capillaries
(b) Neurons
(c) Muscle fibres
(d) Trachea

**Q10.** The flower that contains either the pistil or the stamens is called a ____.
(a) Bisexual flower
(b) Complete flower
(c) Unisexual flower
(d) Perfect flower

**Q11.** The flowers that contain both stamens and pistil are called ___
(a) Unisexual flowers
(b) Pistil late flower
(c) Staminate flowers
(d) Bisexual flowers

**Q12.** ____ introduce variability.
(a) Spore formation
(b) Vegetative propagation
(c) Sexual reproduction
(d) Fragmentation

**Q13.** Which of the following is the correct sequence of food chain?
(a) Zebra → Lion → Grass
(b) Lion → Zebra → Grass
(c) Grass → Lion → Zebra
(d) Grass → Zebra → Lion

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**Q14.** Water droplets that are too heavy to float make ____.

(a) Clouds
(b) Rains
(c) Fog
(d) Dews

**Q15.** Moisture that falls to the ground is called ____

(a) Condensation
(b) Precipitation
(c) Evaporation
(d) Clouds

**Q16.** About __ human beings have no access to safe drinking water.

(a) One million
(b) One billion
(c) Ten billion
(d) Hundred billion

**Q17.** Arrange the following in the correct sequences as they are performed for water treatment in a waste water plant.

(i) Removal of large objects
(ii) Air is pushed
(iii) Addition of chemicals
(iv) Removal of grits and sand.
(v) Removal of solids like faeces.

(a) (i), (ii), (iii), (iv) and (v)
(b) (i), (iv), (v), (ii) and (iii)
(c) (i), (iii), (v), (iv) and (ii)
(d) (v), (iv), (i), (ii) and (iii)

**Q18.** Government has not been able to provide complete underwater drainage system to all, because ___

(a) Materials for construction of toilets are unavailable
(b) Building toilet costs a lot of money
(c) Of improper planning
(d) Of protesting people

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**Q19.** What is the importance sneezing?

(a) Sneezing helps in increasing the breathing rate
(b) Sneezing expels the foreign particles from the inhaled air
(c) Sneezing helps in increasing the heart rate
(d) Both a and c

**Q20.** Why the appearance of lime water in a test tube changes when we blow into it for a few times?

(a) The test tube may contain impurities which changes the appearance
(b) Lime water contains carbon dioxide which changes its appearance upon blowing
(c) Carbon dioxide in our exhaled air changes the appearance of lime water
(d) Oxygen in our exhaled air changes the appearance of lime water

## Chemistry

**Q21.** Acidity, if not controlled, can cause ___

(a) Mouth ulcers
(b) Stomach ulcers
(c) Diarrhea
(d) Cholera

**Q22.** Which of the following is not an example of an indicator??

(a) Litmus solution
(b) Turmeric solution
(c) Red cabbage juice
(d) Soap water

**Q23.** ____ change their colour and help to identify acidic and basic solutions.

(a) Metal salt solutions
(b) Indicators
(c) Electrolytes
(d) Non – metallic liquids

**Q24.** Which of the following breed of sheep is found in Jammu and Kashmir?

(a) Rampur Bushair
(b) Bakharwal
(c) Nail
(d) Lohi

**Q25.** The process of removing the fleece of sheep along with a thin layer of skin is called ___

(a) Shaving

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(b) Shearing
(c) Sorting
(d) Scouring

**Q26.** Silk cloth is highly prized because is its _____.
(a) Transparency
(b) Shimmering appearance
(c) Durability
(d) Feather like lightness

**Q27.** Which of the following not found in tropical rain forests?
(a) Snakes
(b) Penguins
(c) Tigers
(d) Insects

**Q28.** During day, temperature is maximum___
(a) In the morning
(b) In the evening
(c) At noon
(d) At afternoon

**Q29.** The ___ sequence of soil horizons found at a given location is collectively called the soil profile.
(a) Lateral
(b) Horizontal
(c) Vertical
(d) Parallel

**Q30.** ____ is the least porous soil.
(a) Clay
(b) Sand
(c) Loam
(d) Soil with more gravel

**Q31.** ___ is a mixture of san, silt and clay.
(a) Hums
(b) Loam
(c) Soil
(d) Rock

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**Q32.** ____ Acid is produced in our stomach.
(a) Hydrochloric
(b) Sulphuric
(c) Acetic
(d) Carbonic

**Q33.** Which of the following is not a stage in the life cycle of a silk moth?
(a) Egg
(b) Caterpillar
(c) Tadpole
(d) Pupa

**Q34.** Which of the following is/are true when milk changes intocurd?
(i) Its state is changed from liquid to semi solid.
(ii) It changes colour.
(iii) It changes taste.
(iv) The change cannot be reversed.
Choose the correct option from below:
(a) (i) and (ii) are correct
(b) (ii) and (iii) are correct
(c) (i), (iii) and (iv) are correct
(d) (i) to (iv) are correct

**Q35.** A man painted his main gate made up of iron, to
(i) Prevent it from rusting.
(ii) Protect it from sun
(iii) Make it look beautiful.
(iv) Make it dust free.
Which of the above statement(s) is/are correct?
(a) (i) and (ii)
(b) (ii) and (iii)
(c) only (ii)
(d) (i) and (iii)

**Q36.** Iron pillar near the Qutub Minar in Delhi is famous for the following facts. Which of these facts is responsible for its long stability?
(a) It is more than 7 metres high.
(b) It weighs about 6000 kg.
(c) It was built more than 1600 years ago.
(d) It has not rusted after such a long period

**Q37.** The technique that separates a liquid from an insoluble solid by carefully pouring off the liquid is called ____.

(a) Evaporation
(b) Decantation

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(c) Filtration
(d) Distillation

**Q38.** Acids are ____
(a) Corrosive
(b) Pleasant
(c) Harmless
(d) Insoluble in water

**Q39.** Which option best describes a tropical region?
(a) Hot and humid
(b) Moderate temperature, heavy rainfall
(c) cold and humid
(d) hot and dry

**Q40.** The type of soil suitable for growing masoor dal is
(a) Sandy soil
(b) Loamy soil
(c) Clayey soil
(d) Bricks

## Physics

**Q41.** The stem point is equal to ___ °C
(a) 0
(b) 90
(c) 100
(d) 45

**Q42.** Igloos are double walled so as to prevent ___
(a) Radiation
(b) Conduction
(c) Convection
(d) Reflection

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**Q43.** Liquids expand ___ solids but ___ gases.
(a) More than, less than
(b) Less than, more than
(c) More than, same as
(d) Same as, more than

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**Q44.** An electromagnet is used in an electric ____.
(a) Bell
(b) Fuse
(c) Bulb
(d) Cell

**Q45.** ____ is a temporary magnet.
(a) A bar magnet
(b) An electromagnet
(c) A transistor
(d) An electric fuse

**Q46.** The amount of heat produced in a wire depends on the material, thickness and its ____.
(a) Insulation
(b) Length
(c) Volume
(d) Breadth

**Q47.** An electric cell is diagrammatically represented by ____
(a) One longer and one shorter lines parallel to each other
(b) Two lines of equal length parallel to each other
(c) Point and one line
(d) Only one line

**Q48.** In an electric circuit ___ work as sources of electricity.
(a) Switch
(b) Wires
(c) Cell
(d) Bulb

**Q49.** ___ is used to read very small print.
(a) Magnifying glass
(b) Concave mirror
(c) Convex mirror
(d) Plane mirror

**Q50.** When light is reflected from the surface of a compact disc, we see different colours because sunlight is a mixture of ___ colours.
(a) Six
(b) Three
(c) Four
(d) Seven

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**Q51.** Which among the following is not an application of a concave mirror?
(a) Reflectors of torches
(b) Reflectors of the headlights of cars
(c) Dentist's mirror
(d) Magnification of sound

**Q52.** The image formed by a plane mirror is ____
(a) Inclined
(b) Inverted
(c) Tilted
(d) Erect

**Q53.** Cyclones can often survive for a long period of time, as much as ____.
(a) 1 day
(b) 3 days
(c) 4 days
(d) 2 – 3 weeks

**Q54.** A balloon filled with air gets a shape because the air inside it exerts ____ pressure on the balloon which is ____ than the air pressure outside it.
(a) Inward, less
(b) Inward, greater
(c) Outward, greater
(d) Outward, less

**Q55.** When air is ___ it expands and occupies more space.
(a) Heated
(b) Cooled
(c) Having more matter
(d) Involved with many gases

**Q56.** An important condition for formation of cyclone is high ___.
(a) Density of air
(b) Temperature
(c) Viscosity
(d) Speed of air

**Q57.** The objects which do not allow the heat to pass thorough them are called ____.
(a) Conductors
(b) Convertor's
(c) Radiators
(d) Insulators

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**Q58.** The odometer of a car reads 57321.0 km when the clock shows the time 08:30 AM. If at 08:50 AM, the odometer reading has changed to 57336.0 km, calculate the speed of the car in km/hr during this time.

(a) 45 km/hr
(b) 90 km/hr
(c) 22.5 km/hr
(d) 15 km/hr

**Q59.** What are the points that should be kept in mind while choosing scale for drawing a graph?

(a) The difference between the highest and the lowest values of each quantity.

(b) The intermediate values of each quantity to mark the values on the graph.

(c) To utilize the maximum part of the paper on which graph is to be drawn.

(d) All of the above

**Q60.** Two boys ran in a race of 10 km. First boy ran with a constant speed 2 km/h for the whole race, while the second boy ran at 1 km/h for half of the race and at 5 km/h for the other half. Who won the race?

(a) First boy
(b) Second boy
(c) Both reaches at the same time
(d) Condition given is not feasible