

APEEJAY COMMON ANNUAL EXAMINATION 2022-23

CLASS: VI

SUBJECT – SCIENCE

Time: 3 hours

Max Marks: 80

General Instructions:

- a) All questions are compulsory
- b) Question No. 1 to 20 are multiple choice answer type questions of 1 mark each.
- c) Question No. 21 to 29 are short answer type questions of 2 marks each.
- d) Question No. 30 to 37 are long answer type questions of 3 marks each.
- e) Question No. 38 and 39 are concept-based questions of 4 marks each.
- f) Question No. 40 and 41 are long answer type questions of 5 marks each.

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| 1 | The process of getting rid of toxic wastes from the body is known as | 1 |
| | a. Respiration | |
| | b. Excretion | |
| | c. Digestion | |
| | d. Reproduction | |
| 2 | Which of the following is not the characteristic feature of a living thing? | 1 |
| | a. Growth | |
| | b. Movement | |
| | c. Do not need food | |
| | d. Respiration | |
| 3 | Which one of these animals can live on land as well as in water? | 1 |
| | a. Deer | |
| | b. Giraffe | |
| | c. Frog | |
| | d. Fox | |
| 4 | Which one of the following is not terrestrial habitat? | 1 |
| | a. Soil | |
| | b. Tree | |
| | c. Ocean | |
| | d. Desert | |
| 5 | Which of the following animal does not have gills? | 1 |
| | a. Squids | |
| | b. Octopus | |
| | c. Dolphin | |
| | d. Fish | |
| 6 | Which of the following is not a unit of distance? | 1 |
| | a. Metre | |
| | b. Feet | |
| | c. Kilometre | |
| | d. Kilogram | |
| 7 | Seema measures the length of a cardboard using a broken scale. She placed the ruler in such a manner that the mark 3.0 cm coincides with one end and the other end coincides with the mark 33.5 cm. What is the length of the cardboard? | 1 |
| | a. 33.5 cm | |
| | b. 36.5 cm | |

- c. 3.05 cm
d. 30.5 cm
- 8 Which of the following types of motion is not exhibited by the earth moving around the sun? 1
a. Circular
b. Rotational
c. Rectilinear
d. Periodic
- 9 A Bulb has 1
a. Two terminals and two filaments
b. Two terminals and a filament
c. Multiple terminals and a single filament
d. Single terminal and a filament
- 10 Which components are required to make a simple electric circuit to light a bulb? 1
a. Wires and a switch
b. A cell and a switch
c. A bulb and wires
d. Wires, a cell, a bulb and a switch
- 11 Cell is a device which converts 1
a. Chemical energy into electrical energy
b. Electrical energy into light energy
c. Electrical energy into magnetic energy
d. Chemical energy into solar energy
- 12 Which of these are good electrical insulators? 1
a. Graphite, wood, rubber
b. Rubber, glass, wood
c. Pure water, wood, silver
d. Copper, iron, silver
- 13 A bar magnet is immersed in a heap of iron filings and is pulled out. The amount of iron filing clinging to the 1
a. North pole is almost equal to the south pole.
b. North pole is much more than the south pole.
c. North pole is much less than the south pole.
d. Magnet will be same all along its length.
- 14 Which of the following can be converted into a magnet? 1
a. Iron
b. Wood
c. Stone
d. Clay
- 15 What happens when we hit a magnet with a hammer? 1
a. It gains more magnetic force
b. It demagnetises
c. The north and south poles change positions
d. Hammer gets magnetised
- 16 Which of the following are magnetic? 1
i. Iron
ii. Nickel
iii. Eraser
a. Only (i) and(ii)
b. Only (ii) and(iii)
c. Only (i) and(iii)

	d. (i), (ii) and(iii)	
17	When we heat water, we find bubbles coming from it. This shows that a. Water contains air. b. Air contains water. c. Water converts into bubbles. d. Water contains dissolved minerals	1
18	Which of the following does not play an important role in the water cycle? a. Metals b. Animals c. Plants d. Soil	1
19	Mountaineers carry oxygen cylinders with them because a. Oxygen supports combustion. b. Oxygen is less at higher altitudes. c. More oxygen is needed to cook food. d. Oxygen does not support combustion.	1
20	The correct ascending order of gases as per their composition in air is a. Oxygen < Carbon Dioxide < Nitrogen. b. Carbon Dioxide < Oxygen < Nitrogen. c. Nitrogen < Hydrogen < Oxygen. d. Oxygen < Carbon Dioxide < Hydrogen	1
21	Define following terms: a. Switch b. Filament	2
22	How will you locate the poles of a magnet using iron nails? Draw the diagram showing the position of iron nails sticking to a bar magnet.	2
23	What are stimuli? What response is shown by cockroach when light in the kitchen is switched on at night?	2
24	The distance between Radha's home and her school is 3250 m. Express this distance in km.	2
25	If two terminals of the cell are connected with each other without connecting them through a switch or a bulb, what would happen and why?	2
26	Why do we see long chimneys in factories?	2
27	Write any two properties of a magnet.	2
28	Why do living organisms need food?	2
29	Mention any two functions of wind mill.	2
30	How do sea animals like squids and octopus adapt themselves to survive?	3
31	a. Why is speed important for animals living in grasslands? b. Write any two adaptive features of lion.	3
32	i. How is a horse shoe magnet stored? ii. Complete the missing blank: a. N-N _____ (b) ____ -N Attraction c. N- S _ _____ (d)_ _____ -S Repulsion	3
33	Sometimes an electric bulb does not glow even if it is connected to the cell, why? Give three reasons.	3
34	a. Distinguish between conductors and insulators. b. Identify conductors from following: Plastic scale, copper plate, rubber toy, shaving blade	3
35	Draw a circuit diagram using a cell, a bulb and wires. Show the direction	3

- of flow of current also.
- 36 a. How is rectilinear motion different from periodic motion? 3
 b. Arrange the following lengths in their decreasing magnitude:
 one millimetre, one metre, one centimetre
- 37 Why do earthworms come out of the soil after heavy rains? 3
- 38 We know that various gases are found in air. Some organisms live on 4
 land, some in water and some deep under the soil. But all need oxygen to
 breathe and respire. Carbon dioxide is used by the plants in the process of
 photosynthesis in which oxygen is released.
 We inhale air through our nostrils. Air contains dust particles. To prevent
 dust particles from getting into the respiratory system, fine hair and
 mucus are present inside the nose.
 i. Why it is not advisable to breathe through mouth?
 ii. Define breathing.
 iii. How do plants and animals help each other in exchange of gases in the
 atmosphere?
- 39 Animals reproduce their own kind. The mode of reproduction may be 4
 different, in different animals. Some Animals produce their young ones
 through eggs. Some animals give birth to the young ones. Plants also
 reproduce like animals. Plants differ in their mode of reproduction. Many
 plants reproduce through seeds which germinate and grow into a new
 plant. Some plants also reproduce through parts other than seeds. For
 example, a part of a potato with a bud grows into a new plant. Plants also
 reproduce through cuttings.
 i. Define reproduction.
 ii. Mention any two ways by which plants reproduce.
 iii. Name any two animals which lay eggs.
- 40 i. You are provided with an iron bar and a magnet. How will you 5
 distinguish between the two?
 ii. Write any two precautions taken while handling the bar magnets.
- 41 i. How do the following animals survive in extreme climate? 5
 a. Yak b. Mountain goat
 ii. What kind of feet do frogs have that help them swim in water?
 iii. A deer has long ears. Why?
 iv. Why are the leaves of submerged plants highly divided?