



Name _____

Roll No. _____

Time allotted: 3hrs.

Final Term Test (2023 - 2024)

Class V _____

M.M: 80

Date: 15 -03-2024

Subject – Science

General Instructions

- 1) All questions are compulsory
- 2) Section A (Q1 - 13) carry 1 mark each.
- 3) Section B (Q 14-16) carry 3 marks each.
- 4) Section C (Q 17) carry 4 marks each.
- 5) Section D (Q18 – 22) carry 2 marks each.
- 6) Section E (Q 23- 27) carry 3 marks each.
- 7) Section F (Q 28-29) carry 4 marks each .
- 8) Section G (Q 30-31) carry 5 marks each.

SECTION – A

Tick the correct answer.

(10)

- 1) The periodic rising and falling of sea and ocean water is called _____.
a) comet b) tides c) force d) asteroids
- 2) This disease is caused by the deficiency of vitamin C.
a) Goitre b) Beri Beri c) Scurvy d) Night Blindness
- 3) A gas that bubbles out of an aerated drink is
a) oxygen b) carbon dioxide c) nitrogen d) hydrogen
- 4) An important gas causing a hole in the atmosphere is
a) argon b) nitrogen c) ozone d) carbon dioxide
- 5) Malaria is caused by the bite of _____ mosquito.
a) Anaphil b) Anopheles c) Aedes d) none of these
- 6) It is the coloured circle in the eye.
a) Iris b) Pupil c) Retina d) Optic Nerves
- 7) As we go up a mountain, air pressure _____.
a) increases b) decreases c) remains same d) none of these
- 8) Richter scale was invented by _____.
a) Charlie b) James Richter c) Charles Richter d) Charlie Richter
- 9) Grass eating animals release this gas into the atmosphere.
a) Methane b) Methanol c) Ozone d) None of these
- 10) Molecules are made up of _____.
a) atoms b) elements c) compounds d) particles

11. Fill in the blanks.

(5)

- a) The act of injecting vaccine to protect against diseases is called _____.
- b) _____ is the first man-made satellite.
- c) There is a space between the molecules called _____ space.
- d) We are able to stay on the ground because of _____ force.
- e) The earth's upper layer is called _____ .

12. Give one word answer.

(5)

- a) The amount of water vapours present in the air. _____
- b) It connects rest of the body to the brain through the nerves. _____
- c) This disease is caused by virus. _____
- d) First person who landed on the moon. _____
- e) This force arises when the body deforms. _____

13. Name any two :

(4)

- a) Reflex actions _____, _____
- b) Types of forces _____, _____

Section -B

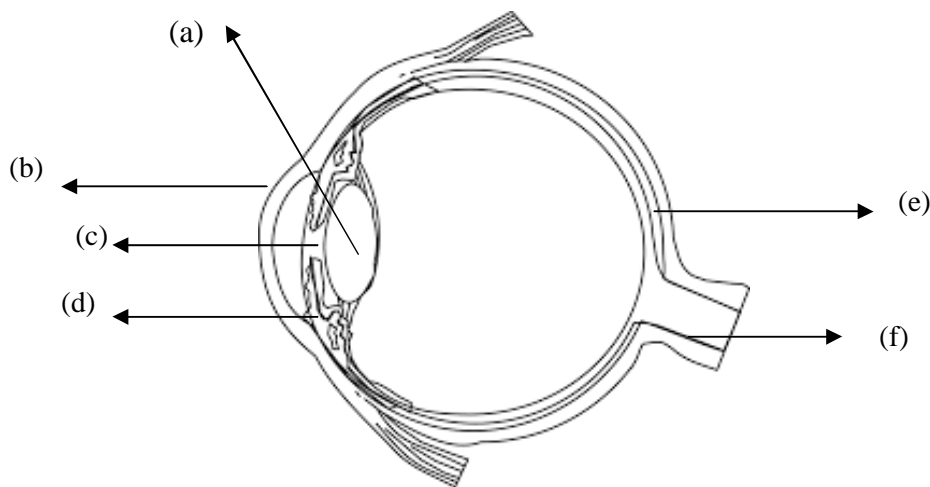
14. Define the following terms.

(3)

- a) Hubble telescope
- b) Greenhouse

15. Label the parts of human eye:

(3)



16. Read the passage and answer the questions :

(3)

Pollution is the spoiling of land ,air and water.Smoke from vehicles,factories and houses fouls the air. Various steps should be taken to control the pollution like restrictions on much use of vehicles and electricity. Garbage from houses should be thrown at proper places etc Many countries have also signed an Agreement aimed at reducing green house gases.

- (a) What is pollution?
- (b) Name the agreement signed by many countries to reduce green house gases.
- (c) List two ways how pollution can be prevented .

Section -C

Class V

17. Give reason (HOTS) :

(4)

- a) A gas has no definite shape or volume _____
_____.
- b) Amit is suffering from swollen joints . He is advised to take sea food in his diet _____
_____.

Section D

(2x5 = 10)

- 18) Why do astronauts wear space suits ?
- 19) What is distilled water ?What are its uses ?
- 20) Name three active volcanoes .
- 21) Define global warming .
- 22) What are simple machines ?

Section E

(3x5=15)

- 23) What does the law of conservation of energy states?
- 24) If a man weighs 90kg on the earth , what will be his weight on the moon?
- 25) What does nervous system consists of ?
- 26) When a burning candle is covered with a glass , it gets extinguished . Why does this happen?
What does this activity show?
- 27) How does a tsunami affects human life?

Section F

(4x2=8)

- 28) What is solar eclipse? Draw a well labelled diagram.
- 29) Name the different parts of the human brain . Explain in detail.

Section G

(5x2=10)

- 30) What is a lever ? On what basis are lever classified?
- 31) What is sedimentation and decantation ? Explain with the help of diagram.
OR
Explain the process of filtration with the help of diagram .



ANSWER KEY
March Term Test
SCIENCE

Class –V

SECTION – A

Tick the correct answer.**(10)**

- 1) The periodic rising and falling of sea and ocean water is called _____.
 a) comet b) **tides** c) force d) asteroids
- 2) This disease is caused by the deficiency of vitamin C.
 a) Goitre b) Beri Beri c) **Scurvy** d) Night Blindness
- 3) A gas that bubbles out of an aerated drink is
 a) oxygen b) **carbon dioxide** c) nitrogen d) hydrogen
- 4) An important gas causing a hole in the atmosphere is
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- 5) Malaria is caused by the bite of _____ mosquito.
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- 6) It is the coloured circle in the eye.
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- 7) As we go up a mountain, air pressure _____.
 a) increases b) **decreases** c) remains same d) none of these
- 8) Richter scale was invented by _____.
 a) Charlie b) James Richter c) **Charles Richter** d) Charlie Richter
- 9) Grass eating animals release this gas into the atmosphere.
 a) **Methane** b) Methanol c) Ozone d) None of these
- 10) Molecules are made up of _____.
 a) **atoms** b) elements c) compounds d) particles

11. Fill in the blanks.**(5)**

- a) The act of injecting vaccine to protect against diseases is called **vaccination**.
- b) **Sputnik-1** is the first man-made satellite.
- c) There is a space between the molecules called **intermolecular** space.
- d) We are able to stay on the ground because of **gravitational** force.
- e) The earth's upper layer is called **crust**.

12. Give one word answer.

(5)

- a) The amount of water vapours present in the air. Humidity
- b) It connects rest of the body to the brain through the nerves. Spinal Cord
- c) This disease is caused by virus. Common cold
- d) First person who landed on the moon. Neil Armstrong
- e) This force arises when the body deforms. Elastic force

13. Name any two :

(4)

- a) Reflex actions Hiccups : watering of mouth
- b) Types of forces Muscular force : Gravitational force

Section -B**14. Define the following terms.**

(3)

a) **Hubble telescope :** The space telescopes that float in space are called hubble telescopes. They give a better view and more detail about the space.

b) **Greenhouse:** A greenhouse is a glasshouse where we grow plants, especially during winter. In a greenhouse the climate is controlled. The sun's rays pass through the glass and warm up the inside of the house.

15. Label the parts of human eye:

(3)

- a) *Lens*
- b) *Cornea*
- c) *Pupil*
- d) *Iris*
- e) *Retina*
- f) *Optic Nerves*

16. Read the passage and answer the questions :

(3)

Pollution is the spoiling of land ,air and water.Smoke from vehicles,factories and houses fouls the air.

Various steps should be taken to control the pollution like restrictions on much use of vehicles and electricity. Garbage from houses should be thrown at proper places etc Many countries have also signed an Agreement aimed at reducing green house gases.

(a) What is pollution?

Ans. Pollution is contamination of land, air and water.

(b) Name the agreement signed by many countries to reduce green house gases.

Ans. Kyoto Protocol

(c) List two ways how pollution can be prevented .

- a) Locating factories in areas far from places where people live.
- b) By using tall chimneys fitted in filters in factories.
- c) By treating waste before being dumped into water bodies.

Section -C

17. Give reason (HOTS) :

(4)

- a) A gas has no definite shape or volume because molecules in gas are separated by very large space , so the intermolecular attraction between the molecules is the weakest. Thus gas has no definite shape and volume.
- b) Amit is suffering from swollen joints . He is advised to take sea food in his diet as he is suffering from goitre that is caused due to deficiency of iodine.

Section D

(2x5 = 10)

18. Why do astronauts wear space suits ?

Ans. **Astronauts wear space suits since there is no air in the space , the space suits create a small atmosphere around their bodies which enable them to float.**

19. What is distilled water ?What are its uses ?

Ans. **Distilled water is the purest form of water free from soluble and insoluble impurities and germs. It is used in car batteries ,science experiments and in medicines.**

20. Name three active volcanoes .

Ans. **Three active volcanoes are :**

- a) **Mount Vesuvius** b) **Mount Etna** c) **Mount Fuji**

21. Define global warming .

Ans. **The rise in temperature or heating up of the earth due to the increased concentration of greenhouse gases in the environment is called global warming. The gases which are responsible for global warming are carbon dioxide, nitrous oxide, methane and water vapours.**

22. What are simple machines ?

Ans. **Tools that make our work easier and faster are called simple machines. For eg. lever , inclined plane , screw etc.**

Section E

(3x5=15)

23. What does the law of conservation of energy states?

Ans. **The law of conservation of energy states that energy can neither be created nor destroyed , but can be changed from one form to another. The total energy of an object never decreases or increases.**

24. If a man weighs 90kg on the earth , what will be his weight on the moon?

Ans. **Weight of a man on the Earth = 90 kg**
Weight of a man on the moon = $1/6 \times 90$ kg
= 15 kg (Ans)

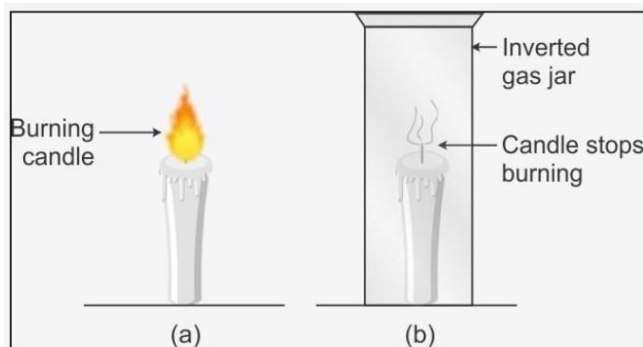
25. What does nervous system consists of ?

Ans. **The nervous system consists of the brain , the spinal cord and the nerves.**

- 1) **Brain** : It is the control centre of the human body .
- 2) **Spinal cord** : It connects rest of the body to the brain through the nerves .
- 3) **Nerves** : Nerves Carry messages between the brain and the other parts of the body

26. When a burning candle is covered with a glass , it gets extinguished . Why does this happen? What does this activity show?

Ans. **A burning candle needs oxygen to burn . So, if we cover a lit candle with a glass container the candle will burn only as long as there is oxygen (air) in the container . This activity shows that oxygen is needed for burning .**



Air is needed for burning

27. How does a tsunami affects human life?

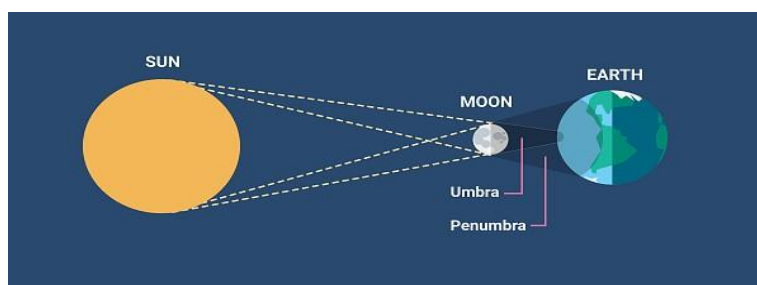
Ans. **Tidal or storm waves are called tsunami . Storm waves from the sea come rolling towards the shore .They cause destruction on the sea shore within seconds . It results in the destruction of life and property. Many people become homeless due to tsunami.**

Section F

(4x2=8)

28. What is solar eclipse? Draw a well labelled diagram.

Ans. **When the moon comes in between the earth and the sun , and the moon casts a shadow on the earth, it is called solar eclipse . A solar eclipse occurs only during the day . You should not look at the solar eclipse with naked eyes , as it can harm your cornea.**



29. Name the different parts of the human brain . Explain in detail.

Ans. Different parts of the brain are cerebrum , cerebellum and medulla.

- Cerebrum** : It is the largest part of the brain. It controls the working of our eyes , ears , nose and tongue .It also controls our voice and is the centre of intelligence .
- Cerebellum** : It coordinates the action of the muscles and make them work together .It helps us to balance our body and keep us in an upright posture.
- Medulla** : It connects the brain to the spinal cord . It controls involuntary actions like movement of lungs and the heart.

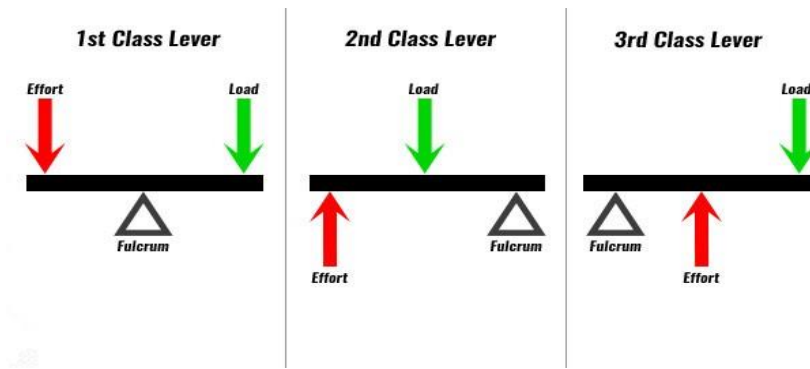
Section G

(5x2=10)

30. What is a lever ? On what basis are lever classified?

Ans. **Lever is a simple machine which makes our work easier . Basic lever consist of a board or a rod that rest on a turning point called fulcrum . An object that lever moves is called load . The force used is called effort . Lever can be classified according to the position of the fulcrum , the effort and the load.**

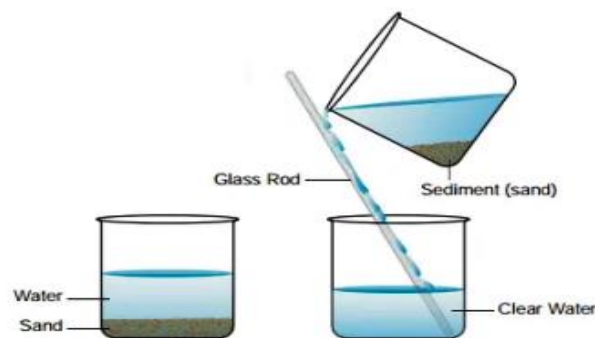
- First –class lever** : When the fulcrum is in between the load and the effort. Eg. Hammer,scissor .
- Second – class lever** : When the load is in between the fulcrum and the effort. Eg. See-saw.
- Third – class lever** : When the effort is in between the load and the fulcrum .Eg. Broom etc



31. What is sedimentation and decantation ? Explain with the help of diagram.

Ans. **Sedimentation** : The process of removing insoluble impurities present in water by allowing them to settle down at the bottom as sediments.

Decantation : The process of purifying liquid by pouring it into another container without disturbing the sediments.

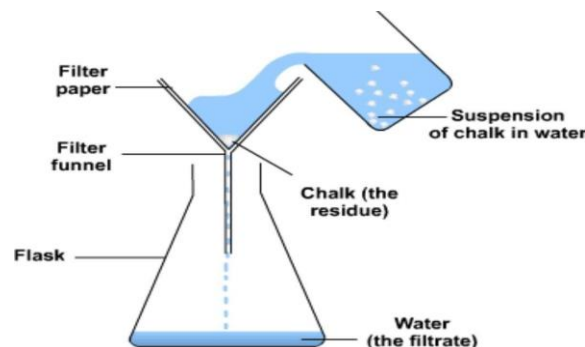


OR

Explain the process of filtration with the help of diagram .

Ans.

The process by which an insoluble impurity is separated from a liquid by passing the mixture through a filter paper is called filtration. Take a circular filter paper and make a cone . Place it inside the funnel. Pour the mixture of soil and water over the filter paper by using a glass rod . Drops of clear water will trickle into the beaker and collect as clear filtrate. Soil particles will be left on the filter paper.



Filtration