**GRADE 7 SCIENCE PAPER 1**

|  |  |
| --- | --- |
| **TIME:** | **HRS** |

|  |  |
| --- | --- |
| **TOTAL MARKS:** | **40** |

|  |  |
| --- | --- |
| **PUPIL’S NAME:** |  |

**PUPIL’S INSTRUCTIONS:**

1. **Answer all questions**
2. **Circle the correct answer**
3. **Write neatly and legibly**
4. **To state of matter does frozen water belong**
5. Air
6. Gas
7. Liquid
8. Solid
9. **Which gas is used by plants to make their own food**
10. Nitrogen
11. Carbon dioxide
12. Oxygen
13. Hydrogen
14. **Which of the following is a non-living thing**
15. Gum tree
16. Cat
17. Cow
18. Book
19. **What is the definition of volume?**
20. Amount of matter in an object
21. Amount of space occupied by an object
22. Mass of a substance per unit volume
23. Measure of hot or cold a substance is
24. **Which behavior could put a person at risk of contracting stis?**
25. Having unprotected sex
26. Sleeping with a friends
27. Having many friends
28. Being too fond for sex
29. The diagram below show the digestive system, use the diagram to answer questions 6 and 7

What is the name of the part labelled Z?

1. Mouth
2. Gullet
3. Stomach
4. Rectum
5. **Which part is responsible for the absorption of digested food into the blood stream?**
6. W
7. X
8. Y
9. Z
10. **Which planet is closest to the sun?**
11. Earth
12. Jupiter
13. Pluto
14. Venus
15. **Which part of a plant is used by non-flowering plants to reproduce?**
16. Fruit
17. Seeds
18. Stem
19. Stigma
20. The diagram shows a box that was used to store salt

8 cm

3 cm

4 cm

**Calculate the volume of the box**

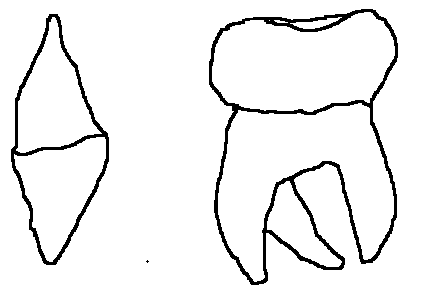
1. 15cm
2. 44cm
3. 56cm
4. 96cm
5. **Which of the following is not a condition for seed germination?**
6. Air
7. Moisture
8. Soil
9. Warmth
10. The diagram shows four different animals

**Which letter G,H,I, or J represent a reptile?**

1. G
2. H
3. I
4. J
5. **Which statement describes seed dispersal?**
6. Spread of seeds from the parent plant
7. Spread of pollen from the flower
8. Transfer of nectar from the nectary
9. Growth of a plant from a seed
10. **Sipho has bleeding gums, which nutrient would be lacking in his diet?**
11. Calcium
12. Iron
13. Vitamin A
14. Vitamin C
15. **Musa hangs his clothes outside on a sunny day. What is the name of the process that takes place on the clothes to help the dry up?**
16. Condensation
17. Evaporation
18. Melting
19. Solidification
20. The diagram shows parts used for breathing in human

**What happens to the air when it enters the lungs?**

1. Oxygen is absorbed by the blood
2. Carbon dioxide is stored in the lungs
3. Oxygen is sent through the nose
4. Carbon dioxide is absorbed by the lungs
5. **Which of this helps to send and receive impulses from the brain?**
6. Muscles
7. Nerves
8. Skin
9. Stimulus
10. **Animals that eat both plant and animals are called………..**
11. Herbivores
12. Carnivores
13. Omnivores
14. Herbivores and carnivores
15. The diagram shows two types of teeth



E

F

**What are the names of the teeth?**

|  |  |  |
| --- | --- | --- |
|  | **E** | **F** |
| A | Canine | Molar |
| B | Incisor | Molar |
| C | Molar | Canine |
| D | Molar | Incisor |

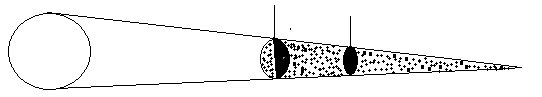
1. **Which of these substances is alkaline?**
2. Orange juice
3. Soft drink
4. Sour milk
5. Toothpaste
6. **Which of the following organisms causes AIDS?**
7. Bacterium
8. Fungus
9. Germs
10. HIV
11. Muzi planted his bean seed for his school experiment in a clear container. He observed the bean as it germinate and drew it to look like the one in the diagram below

**Which parts of the bean grow to a root and shoot after germination?**

1. I and II
2. I and III
3. Ii and III
4. II and IV
5. **What would you use to taste of a substance is alkaline**
6. Baking soda
7. Filter paper
8. Lime water
9. Litmus paper
10. **The diagram shows nonhlanhla’s drawing after an experiment with a bar magnet and iron fillings**

**State what the lines around the bar magnet represent**

1. Magnetic force
2. Magnetic lines
3. Magnetic field
4. Magnetic poles
5. **Which of these item is a group of magnetic objects?**
6. Wool, paper clips and rubber
7. Paper, plastic and spoon
8. Steel wool, pencil and battery
9. Nails, iron and pins
10. **What do the letters STI stand for?**
11. Sexually Transmitted Disease
12. Sexually Transmitted Infection
13. Sexually Transmitted Influence
14. Sexually transmitted Illness
15. **What keeps blood moving through the body in human beings?**
16. Blood vessels
17. Heart
18. Muscles
19. Pulse
20. **Which movement of the earth results to the four seasons of the year?**
21. Evolution
22. Orbiting
23. Revolution
24. Rotation
25. **Which of these are required by plant to make their own food?**
26. Carbon dioxide and water
27. Chlorophyll and oxygen
28. Chlorophyll and hydrogen
29. Water and oxygen
30. **Which of these are bad effects of weather?**
31. Drought, floods, and tornados
32. Drought, pests and hunger
33. Hunger, poverty and diseases
34. Hurricanes, storm and poverty
35. **What is the energy conversation in a solar panel?**
36. Chemical into electrical
37. Electrical into chemical
38. Heat into sound
39. Kinetic into potential
40. **Which eclipse is represented by the diagram below**

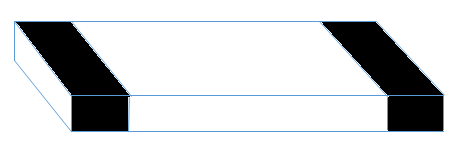


moon

earth

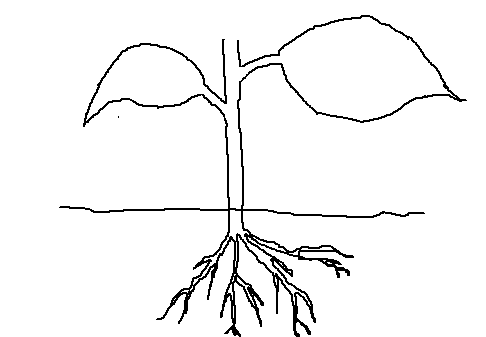
sun

1. Eclipse of the moon
2. Eclipse of the sun
3. Ecliptic sun
4. Ecliptic moon
5. **Yazi noticed lines of beautiful colours of the sky after it had rained, what do you think yazi saw?**
6. Clouds
7. Light
8. Rainbow
9. Lightening
10. The diagram shows a magnet



**What is the name of the magnet?**

1. Bar
2. Compass
3. Cylinder
4. Horseshoe
5. The diagram below shows water being transported in a plant from the soil, use the diagram to answer questions 35 and 36



**Name the part of the plant that absorb water and mineral salts from the soil**

1. Large roots
2. Root cap
3. Root hair
4. Root ends
5. **What happens to too much water when it reaches the leaves?**
6. Becomes vapour and cools down the leaves
7. Becomes vapour and escapes to the atmosphere
8. Becomes vapour and used in respiration
9. Always flow out of the leave at night as a liquid
10. **Which of this is not a function of the skin**
11. Feelings
12. Protecting
13. Sweating
14. Urinating
15. **Worms are supported by body fluids, what support vertebrates?**
16. Joints
17. Body organs
18. Long bones
19. Skeleton
20. **One of this solid is soluble in water**
21. Stone
22. Meali meal
23. Sugar
24. Nails
25. **Which one is an artificial source of light?**
26. Stars
27. Candle
28. Sun
29. Moon

**GRADE 7 SCIENCE PAPER 1 MARKING GUDE**

1. **D**
2. **B**
3. **D**
4. **B**
5. **A**
6. **C**
7. **C**
8. **D**
9. **C**
10. **D**
11. **C**
12. **C**
13. **A**
14. **D**
15. **B**
16. **A**
17. **B**
18. **C**
19. **A**
20. **D**
21. **D**
22. **A**
23. **D**
24. **A**
25. **D**
26. **B**
27. **B**
28. **C**
29. **A**
30. **C**
31. **A**
32. **A**
33. **C**
34. **A**
35. **C**
36. **B**
37. **D**
38. **D**
39. **C**
40. **B**