



FRONTRUNNER EXAM

STANDARD FIVE 021

SCIENCE

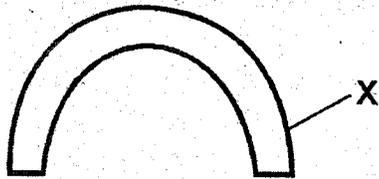
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Time: 1 Hr 40 mins

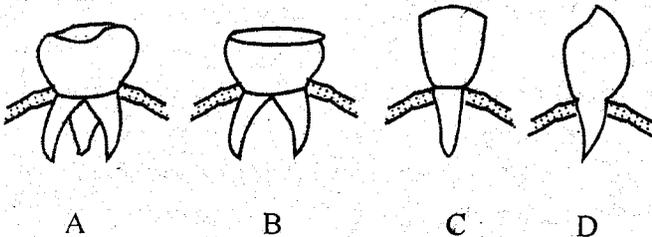
READ THESE INSTRUCTIONS CAREFULLY

1. You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
2. Do any necessary rough work in this paper.
3. When you have chosen your answer, mark it on the **ANSWER SHEET**, not in this question paper.

1. When our permanent teeth fall off
 - A. We get a new set of permanent teeth
 - B. Our gums became painful throughout our lifetime
 - C. New milk teeth grow on the gas
 - D. We remain toothless the whole of our life
2. The following diagram show a human jaw

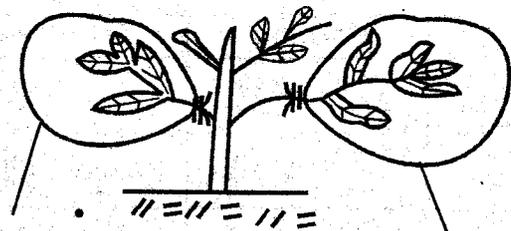


Which of the following type of teeth can be seen at point X ?



3. We take medicine for the following reasons **EXCEPT** one
 - A. To feel happy
 - B. To kill pain
 - C. To supplement necessary body nutrients
 - D. To cure diseases
4. Which of the following is the best prevention measure against HIV/AIDS infection?
 - A. Abstaining from sexual intercourse
 - B. Not sharing body piercing tools
 - C. Take ARVs everyday
 - D. Seeking advice from adults

5. Which one of the following is the best way to identify drugs in a store?
 - A. Sniff the drugs to get their smell
 - B. Look at the colour of drugs to tell what they are
 - C. Read the label on drug containers
 - D. Taste each drug to tell their identity
6. All the following plants are fungi **EXCEPT** one
 - A. Moulds
 - B. Mango
 - C. Mushroom
 - D. Yeast
7. Standard 5 pupils of Dahowe primary school carried out the experiment shown below



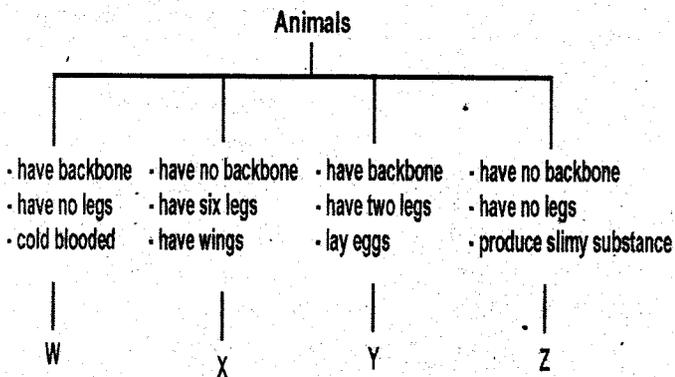
Transparent polythene bag

Black polythene bag

- Which of the following did they see after one week?
- A. Leaves in black polythene bag turned yellow
 - B. Leaves in the transparent polythene bag turned yellow
 - C. There were water droplets in transparent polythene but not in black polythene
 - D. Leaves in both polythene bags dried up
8. The following are functions of plant roots. Which one is **NOT** ?
 - A. Absorption of animal salts from the soil
 - B. Storage of food
 - C. Absorption of carbon dioxide from the atmosphere
 - D. Support of the plant

9. Which of the following animals is warm blooded?
- A. Snake B. earthworm
C. Toad D. Sea lion

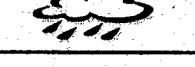
10. Mary classified animals in the table below



Which one of the following animals could fit W, X, Y and Z?

- A. Slug, butterfly, frog, earthworm
B. Snake, cockroach, weaverbird, slug
C. Earthworm, housefly, human being, slug
D. Whale, grasshopper, turkey, snake

Study the weather chart for question 11 - 12

Day	Morning	Afternoon
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		

11. In which two days could blankets be washed and dried easily?
- A. Tuesday and Thursday
B. Monday and Thursday
C. Thursday and Friday
D. Monday and Wednesday
12. Most villagers did not go to the river on _____
- A. Monday B. Wednesday
C. Thursday D. Friday

13. John walked on a muddy ground with very slippery soil that stuck firmly onto his shoes. This was **LIKELY** to be

- A. Clay soil B. Sandy soil
C. Loam soil D. Ash soil

14. Miriam placed a wick onto a new lamp. After five minutes, she noticed that paraffin had risen up the wick and she could light up the lamp.

The paraffin rose because of _____

- A. Capillarity B. Drainage
C. Magnetism D. Erosion

15. Water is used in many ways. Which one of the following is a use of water for leisure?

- A. Watering animals
B. Spraying chemicals on tomatoes
C. Rowing boats
D. Cooling hot machines in factories

16. We cannot store water in one of the following

- A. Pipes B. Jericans
C. Pots D. Buckets

17. The following are used for transport in water. Which one is **NOT**?

- A. Ship B. Boat
C. Aeroplane D. Ferry

18. In order to prevent frequent attacks from diseases, we should eat

- A. Oranges and pawpaw B. Maize and bread
C. Beans and mangoes D. Rice and meat

19. When we eat foods with little fibre, we are likely

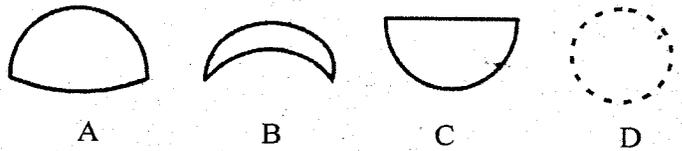
- A. to become more healthy and strong
B. To suffer from dehydration
C. To suffer from constipation
D. To grow weak

20. Mary noticed that her young son was developing bow legs. This was due to

- A. Eating too much of calcium
B. Lack of vitamin D
C. Lack of proteins
D. Lack of enough water

21. Which of the following foods should be eaten by a ten year old boy more in their diet?
- A. Vitamins B. Proteins
C. Iron D. Carbohydrates
22. During breathing out
- A. Diaphragm moves upwards
B. Lungs expand
C. Ribs move outwards
D. Ribs move upwards
23. Which of the following is the correct order of food movement along the digestive system?
- A. Mouth - Stomach - Oesophagus - Intestines - Anus
B. Mouth - Oesophagus - Stomach - Intestines - Anus
C. Mouth - Oesophagus - Intestines - Stomach - Anus
D. Mouth - Intestines - Oesophagus - Stomach - Anus
24. The following organs help us in digestion. Which one does NOT?
- A. Liver B. Gall bladder
C. Wind pipe D. Pancreas
25. Undigested matter is stored in the
- A. Colon B. Stomach
C. Duodenum D. Rectum
26. At what time of HIV/AIDS infection does an infected person reach asymptomatic stage?
- A. 3 years B. 12 months
C. 12 weeks D. 3 weeks
27. Eliud wanted to cut a strong nylon string using his teeth. Which type of teeth could he use?
- A. Incisor B. Premolar
C. Molar D. Canine
28. Plants use one of the following to carry out photosynthesis
- A. Stem B. Flower C. Fruits D. Leaves
29. Which of the following is an oil crop and a fibre crop at the same time?
- A. cassava B. Cocoa C. Sisal D. Cotton
30. Which one of the following is the best way to control weeds?
- A. Slashing B. Digging out weeds
C. Mulching D. Use of herbicides

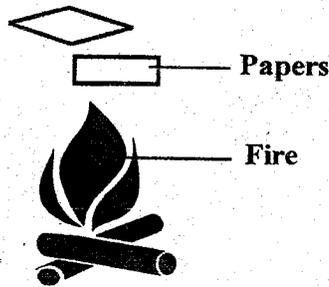
31. Which of the following phases of the moon is seen immediately after the full moon?



32. Which one of the following animals is **WRONGLY** matched with the way it moves?
- A. Frog - hopping B. Bat - Flying
C. Millipede - Walking D. Snake - Slithering
33. Which of the following animal behavior shows reaction to change?
- A. A pig urinates
B. A cockroach increases in size over two weeks
C. A cow brings a new young one that looks like itself
D. A dog runs after a squirrel
34. Which of the following animals have their body covered with scales?
- A. Frog B. Duck
C. Monkey D. Dolphin
35. Which of the following is the **MAIN** product from sheep?
- A. Manure B. Skin
C. Blood D. Wool
36. Broilers are fed on
- A. Broilers mash B. Bone mash
C. Meat mash D. Layers mash
37. The following are artificial sources of light. Which one is **NOT**?
- A. Car head lamps B. Stars
C. Candles D. Lantern lamp
38. One of the following is the cheapest method to light a house
- A. Using electric bulb
B. Using spotlight
C. Use of skylight
D. Using paraffin lamps

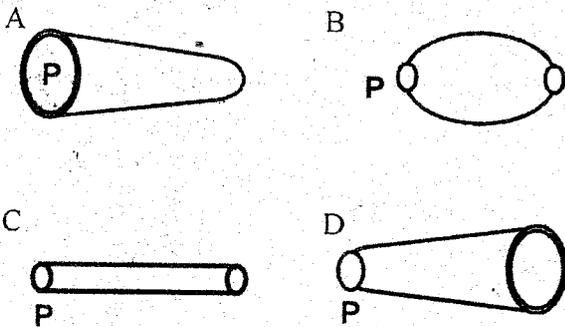
39. Which of the following sources of heat can easily be used locally for drying grains?
- A. Electric heater B. Sunshine
C. Gas burner D. Fire

40. Mitchell placed a sheet of paper above a burning flame of fire as shown



What did she observe?

- A. paper caught fire and burnt
B. Paper changed black
C. Paper dropped on to the fire
D. Paper was moving upwards
41. Four pupils were doing an experiment on amplifying of sound. Which of the following equipment could help them amplify sound loudest when sound is produced from point marked P?

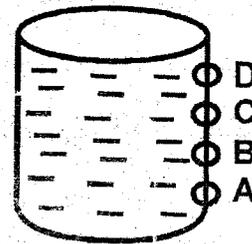


42. Standard 5 pupils placed different solids in a pan and heated them to investigate melting in solids. The solids used were ice, candle wax and plastic. What did they conclude?
- A. All solids melt at the same time
B. Solids heated together do not melt
C. Solids melt at different rates
D. Solids cannot melt in a pan

43. If we breathe out onto a glass in a cold morning, we see mist collected on the glass because
- A. Glass produces mist when we breath on it
B. Water on our breath condenses on glass
C. Human breath is always dirty in the morning
D. Human breath makes glass weak

44. The following materials will float in water EXCEPT one
- A. Wood B. Plastic
C. Rubber D. Metallic bowl

45. At what point should we fit our tap in the tank below?



46. In which of the following changes is heat lost from objects?
- A. Evaporation B. Pressure
C. Freezing D. Sinking

47. Heat is measured using an instrument called ____
- A. Rain gauge B. Windsock
C. Weighing scale D. Thermometer

48. The following are safety measures to be observed when using tools. Which one is NOT?
- A. Place your hand firmly away from the piece of work
B. Place your hand firmly near the piece of work
C. Sharpen your cutting tools before use
D. Ensure handles of tools are firmly fixed before use

49. To drive a nail into wood we use ____
- A. A hammer B. A jembe
C. A handsaw D. A screw driver

50. A beam balance measures
- A. Density B. Weight
C. Height D. Mass