



SKY FLYER EXAMINATIONS SERIES

STANDARD SIX

YEAR 2021

SCIENCE

SKF21G

READ THESE INSTRUCTIONS CAREFULLY

Time: 1hr 40min

1. You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
2. Make sure that you have written on the answer sheet

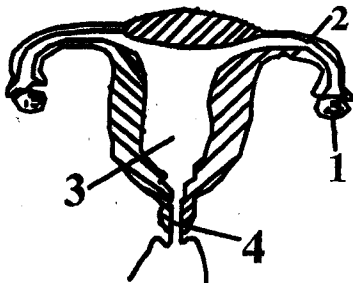
(i) Your name

(ii) Name of your school

1. During the second stage of HIV infection. It is true to say:-

- A. A person looks sick
 - B. A person cannot infect others
 - C. The virus is detected in the blood
 - D. The person tests negative
2. The type of soil with the best capillarity has the following characteristics expect?
- A. Best for farming
 - B. Cracks when dry
 - C. Small air spaces
 - D. Poor Drainage

Use the diagram below to answer questions 3-5



3. Fertilization of the ovum takes place in the part labelled.

- A. 1
 - B. 2
 - C. 3
 - D. 4
4. Name the part marked 4
- A. Uterus
 - B. Oviduct
 - C. Ovary
 - D. Birth canal
5. The release of mature eggs from part 1 every 28 days is known as _____
- A. Implantation
 - B. Fertilization
 - C. Ovulation
 - D. Copulation
6. Which one of the following is an emotional change in both boys and girls during adolescence?

- A. Hair grows around the groin
- B. Pimples may appear
- C. Wet dreams
- D. Shyness and embarrassment

7. Which one of the following methods of grazing given below is not rotation?

- A. Stall feeding
- B. Tethering
- C. Paddock grazing
- D. Strip grazing

8. Which one of the following is an example of a pouched mammal?

- A. Bat
- B. Spiny ant eater
- C. Kangaroo
- D. Monkey

9. Which one of the following plants has male and female flowers at different positions on the same plant?

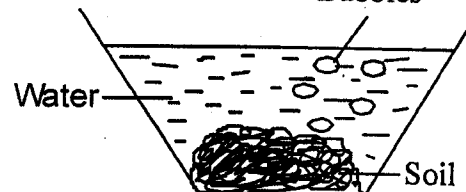
- A. Pawpaw
- B. Maize
- C. Sunflower
- D. Bean

10. Fibre is important in the diet because

- A. It transports digested food
- B. It helps prevent constipation
- C. It is rich in all nutrients
- D. It prevents abdominal pains.

11. From the experiment below carried out by std 4 pupils, We can conclude that

Bubbles

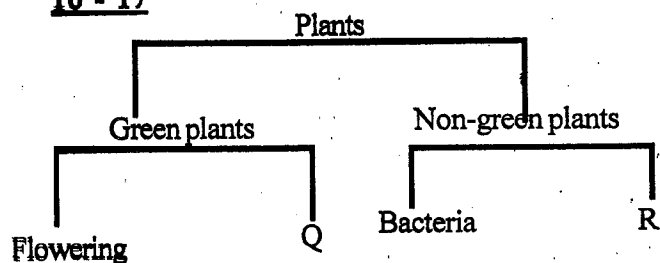


- A. Soil has humus
- B. Soil has water
- C. Soil has organic matter

- D. Soil has air
2. The following are conditions necessary for germination of seed except
- A. Oxygen B. Soil
C. Water D. Warmth
3. Which one of the following vaccine is a child given at birth?
- A. DPTI B. BCG
C. Rota virus D. Anti-Measles
4. The clouds that are high in the sky, have a flat base also _____.
- A. Are dark grey in colour
B. Bring heavy rainfall
C. Are a sign of fair weather
D. Are low in the sky
5. The loudness and softness of a sound is described as
- A. Volume B. Pitch
C. Noise D. Music

Use the chart below to answer questions

16 - 17

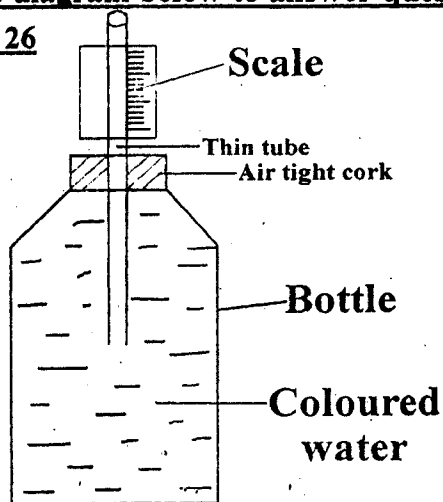


6. What is the BEST replacement for part Q and R respectively?
- A. Green and algae
B. Non-Flowering and fungi
C. Flowering and Fern
D. Fern and Fungi
7. Which one of the following is not grouped under flowering plants?
- A. Mango B. Cactus
C. Grass D. Pine
8. The BEST method of controlling Malaria is by _____.
- A. Sleeping under treated mosquito nets.

- B. Destroying the bleeding places for mosquitoes
- C. Maintaining personal hygiene
- D. Painting the house white
19. Which one of the planets takes the longest time to go around the sun?
- A. Mars B. Venus
C. Mercury D. Jupiter
20. Carbohydrates are also known as
- A. Vitamins
B. Proteins
C. Energy-giving food
D. Body-bulding food
21. Below are signs and symptoms of a certain disease.
- i)The skin appears pale*
ii)General body weakness
iii)Tiredness even after doing a simple task
- The disease is likely to be
- A. Anaemia B. Kwashiakor
C. Marasmus D. Rickets
22. Which one of the following Pairs of processes are as a result of an increase in temperature
- A. Condensation and freezing
B. Melting and Freezing
C. Evaporation and Melting
D. Condensation and evaporation
23. The following happen when we breathe out. Which one does not?
- A. Ribs move downwards and inwards
B. Diaphragm flattens
C. Volume of the lungs decrease
D. Diaphragm becomes dome - shaped
24. The following are stages of HIV infection
- i)Symptomatic*
ii)Window
iii)Full blown AIDS
iv)Asymptomatic stage
- Arrange them in the correct order.
- A. (iii), (iv), (i), (ii) B. (ii), (i), (iv), (iii)
C. (ii), (iv), (i), (iii) D. (i), (ii), (iii), (iv)

Use the diagram below to answer questions

25 and 26



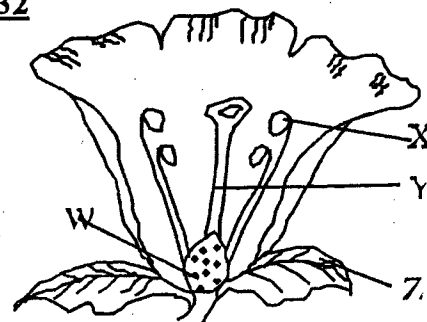
25. The Weather instrument drawn above is called _____
- A. Liquid thermometer B. Barometer
C. Raingauge D. Air thermometer
26. The weather instrument works on the fact that _____.
- A. Gases contract when heated
B. Liquids occupy space
C. Gases expand on heating
D. Liquids expand on heating
27. The following are examples of archnids **except**
- A. Spider B. Tick
C. Crab D. Mite
28. Which one of the following is not a proper storage of medicine?
- A. All medicine should be stored in a well labelled container
B. All medicine should be kept within the reach of children
C. All medicine should be stored in lockable cupboard
D. Medicine should be kept according to the manufacturer's Instructions
29. Which one of the following is **not** a useful fungi
- A. Athletes foot B. Penicillin
C. Yeast D. Mushroom
30. The following are examples of water borne diseases **except**?

- Malaria
C. Cholera

- B. Typhoid
D. Bilharzia

Use the diagram below to answer question

31-32



31. The part that produces pollen grains is labelled ?
- A. X B. Y
C. Z D. W
32. The part labelled Y is called _____.
- A. Stigma B. Filament
C. Style D. Ovary
33. What is the fuction of part Z?
- A. Produce ovules
B. Protect the flower during bud stage
C. Attract
D. Receive pollen grains
34. Which one of the following methods of food preservation below coats the food therefore prevents entry of bacteria?
- A. Canning B. Salting
C. Sun drying D. Use of honey
35. The following instruments can be used to compare mass of different objects **except**?
- A. Spring balance B. See saw
C. Beam balance D. Weighing machine
36. Which of the following weeds can be used as a vegetable?
- A. Sodom apple B. Pigweed
C. Black jack D. Wandaring Jaw
37. _____ is the centre of the solar system
- A. Planents B. Moon
C. Meteors D. Sun
38. The table below shows parts of the digestive

system and their functions. Which one is not correctly matched?

Part	Function
A. Ileum	-Absorption of food
B. Rectum	-Absorption of water and mineral salts
C. Stomach	-Digestion of food
D. Liver	-Production of bile

9. Which one of the following is not part of the male reproductive system?

- A. Urethra B. Scrotum
C. Ovary D. Testes

10. The following are characteristics of amphibians excepts?

- A. They have moist skins
B. They have external fertilisation
C. They lay eggs
D. Their bodies are covered with scales

11. Which one of the following is not a use of heat energy?

- A. Cooking food
B. Warming our bodies
C. Seeing clearly
D. Drying clothes

12. Three boys carried packed lunch to school as shown:

Arnold: Peas, Kales, Chapati

Vincent: Rice, Potatoes, Meat

Dancun: Pilau, Mincedmeat, Chapati

Lewis: Milk, Mangoes, Ripe bananas

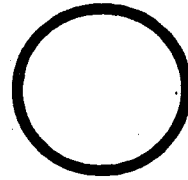
Who carried a balanced diet?

- A. Arnold B. Vincent
C. Lewis D. Dancun

13. Teeth that are sharp and chisel-shaped are used for

- A. Crushing food
B. Tearing food
C. Cutting and biting
D. Chewing and holding

14. The phase of the moon drawn below is called



- A. Gibbous B. Full moon
C. Crescent D. New moon

45. Salamander, Newt, Toad and frogs are examples of

- A. Reptiles B. Mammals
C. Birds D. Amphibians

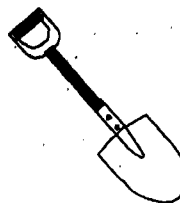
46. Which one of the following animals feeds is NOT a legume?

- A. Hay B. Lucerne
C. Clovers D. Desmoudium

47. Which one of the following is an example of a vegetable whose roots are eaten?

- A. Onions B. Carrots
C. Kales D. Tomatoes

48. The diagram below shows a farm tool. It is used for _____

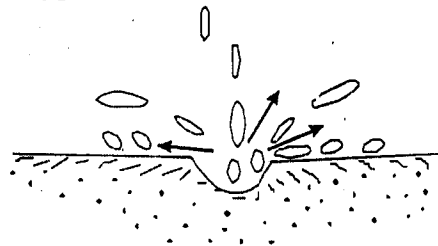


- A. Pruning
B. Harvesting rice and wheat
C. Dig or loosen ground
D. Cutting meat

49. The largest planet in the solar system is

- A. Neptune B. Saturn
C. Uranus D. Jupiter

50. The type of soil erosion drawn below is called



- A. Rill erosion B. Splash erosion
C. gully erosion D. Sheet erosion