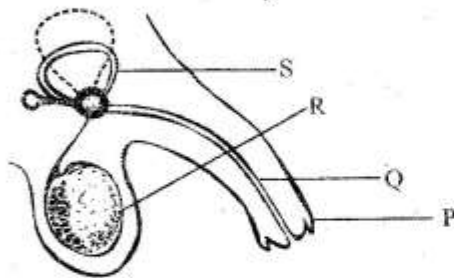


**SCIENCE AND TECHNOLOGY (15marks)**

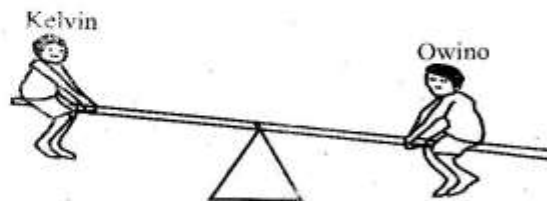
- Grade 5 learners were discussing about the characteristics of vertebrates. Which one of the following is **not** a characteristic of chameleons?  
A. Their bodies are covered with scales.  
B. They lay eggs.  
C. They breathe through lungs.  
D. They are warm blooded.
- Three of the following are parts of computer correctly matched to their functions. Which one among them is **wrongly** matched?  
A. Mouse - Gives an instruction when clicked  
B. Monitor - Controls and processes programs  
C. Cables - Connect the device to its hardware  
D. Keyboard - Types into the computer
- While carrying out an experiment, the teacher placed a candle at the centre of the classroom. All learners were able to see the candle. This demonstrates that  
A. light travels in all directions.  
B. light travels in a straight line.  
C. light travels in a bent pipe.  
D. light does not travel to all parts of the class.

Use the diagram below to answer questions 4 - 6.



- Which part of the male reproductive system produces sex cells?  
A. S  
B. R  
C. Q  
D. P
- What is the name of the part labelled S?  
A. Sperm duct  
B. Urethra  
C. Glands  
D. Testis

- Which part of the male reproductive system is used to deposit sperms into the vagina for fertilization?  
A. S  
B. Q  
C. R  
D. P
- Three of the following statements are true about force. Which one is **not**?  
A. Cause change of direction of movement.  
B. Can change mass of an object.  
C. Can change shape of an object.  
D. Can start and stop movement of an object.
- During a science lesson, grade 4 learners were discussing about different methods of heat transfer. Who among the following pupils gave a **correct** statement about conduction?  
A. Abdul - is the transfer of heat through solids  
B. Moraa - is the transfer of heat through gases  
C. Victoria - is the transfer of heat through liquids.  
D. Amina - is the transfer of heat through liquids and gases.
- The diagram below shows two pupils Kelvin and Owino playing on a see saw as shown below. Owino is heavier than Kelvin. What should they do for them to balance?



- A. Kelvin should move closer to the pivot.  
B. Both should move closer to the pivot.  
C. Both should move away from the pivot.  
D. Owino should move closer to the pivot.

10. During a nature walk around the school farm, learners were able to come across different types of roots. Which pair of plants are **likely** to have such type of a root system?

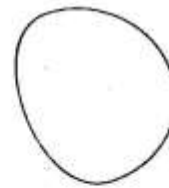


- A. Beans, onions      B. Onions, grass  
C. Groundnuts, beans      D. Grass, beans
11. Below are physical changes that take place in an adolescent.
- (i) *Increase in height and weight*  
(ii) *Experiences wet dreams*  
(iii) *Hips broaden*  
(iv) *Chest broadens*  
(v) *Breast enlarges*
- Which pair contains physical changes occur in an adolescent boy **only**?
- A. (i), (ii)      B. (ii), (iii)  
C. (iii), (v)      D. (ii), (iv)
12. During a science lesson, grade six learners were discussing about the heart. Learners came with the following. Which one of the following is **not** true about the heart?
- A. Pulmonary vein carries oxygenated blood.  
B. The heart has valves.  
C. Pulmonary artery carries deoxygenated blood.  
D. The left hand side of the heart is thicker than the right side.
13. Three of the following are physical properties of acids. Which one is **not**?
- A. Have a sour taste  
B. Turn blue litmus red  
C. Turn red litmus blue  
D. Are corrosive

14. Grade five learners were asked to prepare flashcards showing the internal parasites. Who among the following learners gave the **correct** answer?

- A. **Vivian** - pin worms, hookworms, jiggers  
B. **Amos** - lice, mites, jiggers  
C. **Baraka** - roundworms, tapeworms, pinworms  
D. **Owino** - roundworms, tapeworms, lice

15. The diagram below shows one of the phases of the moon.



- Which phase of the moon is shown above?
- A. Crescent      B. Gibbous  
C. New moon      D. Full moon

#### **AGRICULTURE (10marks)**

16. During a field trip grade 4 learners observed a farmer using water in his farm. Which one of the following is **not** a use of water in farming?
- A. Recreation  
B. Irrigation  
C. Mixing chemicals  
D. Watering animals
17. After a heavy rainfall, grade six learners of Hekima primary school observed the water had carried away the top soil uniformly leaving the roots of the crops exposed. Which type of soil erosion did they observe?
- A. Splash      B. Gully  
C. Rill      D. Sheet

18. Which is the **best** method of controlling gully erosion?

- A. Planting cover crops. B. Building gabbions.  
C. Contour farming. D. Building terraces.

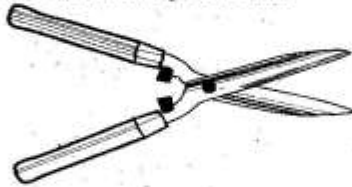
19. The process of collecting soil from soil deposition sites and using it to replace lost top soil is called

- A. soil erosion B. soil conservation  
C. soil recovery D. soil improvement

20. The removal of weak seedlings that are overcrowded is known as

- A. weeding B. thinning  
C. pruning D. hardening off

21. The diagram below shows a tool used in domestic animal production.



What is its use and in which animal?

- A. Shearing - Goat  
B. Milking - Cow  
C. Treating - Poultry  
D. Shearing - Sheep

22. Which of the following is an agent of soil erosion?

- A. Vegetation cover B. Cover crops  
C. Water D. Gabbions

23. Grade 6 pupils were asked to name examples of creeping crops. Who gave a **wrong** answer?

- A. Johnstone - Melon  
B. Kelvin - Guava  
C. Peterson - Pumpkin  
D. Jennifer - Strawberry

24. The diagram below shows a certain deterrent used by Mr. Wahome in his farm to keep off wild animals.



Identify the deterrent.

- A. Safe trap B. Innovative light  
C. Deflector D. Wire mesh

25. Which of the following materials is **not** used to make the item below?



- A. Soil  
B. Old clothes  
C. Sticks  
D. Polythene bags

#### **HOMESCIENCE (10marks)**

26. Grade five learners from Kimbio primary school were preparing to clean their classroom glass windows. They collected the following materials:

- i) Water  
ii) Old newspapers  
iii) Steel wool  
iv) Soft cloth

Which of the following was **not** right to use for the cleaning?

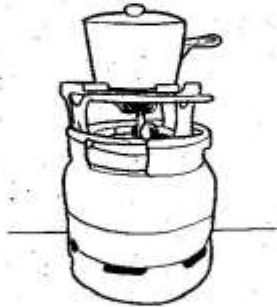
- A. Soft cloth B. Old newspaper  
C. Steel wool D. Water

27. Choose the one that is **not** a common illness in our locality.

- A. Coughs B. Stomachache  
C. Colds D. Tuberculosis



28. Below are changes that take place in girls during adolescence. Which one is **not**?
- Menstruation begins.
  - Broadening of shoulders.
  - Broadening of hips.
  - Development of breasts.
29. Kanini was told by her teacher to make a cleaning item using locally available materials. She collected twigs and cut a rubber band from an old tyre. Which item did she want to make?
- Broom
  - Brush
  - Floor duster
  - Dust pan
30. Identify the fuel that is used in the item below.



- Charcoal
  - Electricity
  - Firewood
  - Gas
31. Below are signs and symptoms of a nutritional deficiency disorder.
- Headaches.
  - The tongue appears white.
  - Finger nails and eyelids appear pale.
- Which disease is described above?
- Anaemia
  - Marasmus
  - Kwashiorkor
  - Rickets

32. Misusing cosmetics can cause the following effects **except** one. Which one?
- Skin irritation.
  - Appealing skin and appearance.
  - Bleaching of the skin.
  - Allergies.
33. Miss Sarah told her grade 5 learners to prepare a balanced diet. The following learners prepared the diet shown below.
- Musyoka** → Ugali, potatoes and oranges.
- Kamau** → Rice, chicken, spinach and ripe bananas.
- Ochieng** → Chapati, beef stew, cabbage.
- Chepkui** → Ugali, milk and an apple.
- Who among them didn't prepare a balanced diet?
- Kamau
  - Musyoka
  - Ochieng
  - Chepkui
34. Grade 6 learners were asked to list non-communicable diseases and disorders. Who gave a **correct** list?
- Mary - Typhoid, malaria, diabetes
  - Njeri - Tuberculosis, obesity, kwashiorkor
  - Wanja - Asthma, cancer, epilepsy
  - Maureen - Measles, tetanus, anaemia
35. Ouma gave the following reasons for preparing a budget before spending. Which answer was **not** correct?
- Saves money.
  - Helps in making better financial decisions.
  - Controls spending.
  - Facilitates unnecessary debts.

**PHYSICAL AND HEALTH EDUCATION**

**(15marks)**

36. The following are skills learned in the game of soccer. Which one is **not**?

- A. Dribbling
- B. Kicking
- C. Goal keeping
- D. Chanting

37. Grade six pupils were asked to state locomotor activities. They gave the following.

- i) Boaz → Bending.
- ii) Jane → Jumping
- iii) Cruze → Crawling.
- iv) John → Walking

Who gave the **wrong** answer?

- A. Boaz
- B. Jane
- C. Cruze
- D. John

38. The following are methods of trapping the ball in the game of soccer. Which of them is **most** suitable to trap aerial balls?

- A. Inside of the foot trap
- B. Chest trap
- C. Thigh trap
- D. Sole of the foot trap

39. Among the following steps used when performing scissor technique in high jump, which one will come second?

- A. The flight
- B. Landing
- C. Take off
- D. Run

40. Which equipment is **correctly** matched with locally available material used to improvise it?

- A. Javelin → Local hard wood.
- B. Nets → Sticks of suitable size.
- C. Discus → Old mattress.
- D. Relay batons → Pieces of sticks.

41. When carrying out first aid on an injured person, grade six PHE teacher emphasized on the use of protection gloves. Give a reason for this.

- A. To prevent the spread of HIV and AIDS.
- B. To maintain hygiene.
- C. To make the casualty feel comfortable.
- D. To prevent excessive loss of blood.

42. The following are athletics activities. Which one is a track event?

- A. Javelin
- B. Discuss
- C. High jump
- D. Hurdling

43. The following are basic learning skills in the game of volleyball. Which one is **not**?

- A. Service
- B. Trapping
- C. The dig
- D. The volley

44. Grade six learners stated the following effects of exercise to a person. Which **one** is the odd one out?

- A. Development of a better body posture.
- B. Muscles become stronger.
- C. Development of endurance.
- D. Weakening of the body muscles.

45. The following are physical fitness exercises that promote fitness components. Which **one** promotes flexibility?
- A. Juggling
  - B. Sit and reach
  - C. Rope skipping
  - D. Running on the spot
46. An athlete is advised to drink plenty of water. Which one of the following is a sign that an athlete does **not** drink a lot of water?
- A. Coloured urine.
  - B. Passes large volume of urine.
  - C. Urine is mostly clear.
  - D. Does not have dry lips
47. The following are signs and symptoms of bruises. Which one is **not**?
- A. Discolouration
  - B. Swelling
  - C. Bleeding
  - D. Pain
48. Which one of the following is a benefit of swimming that promotes physical fitness.
- A. Employment
  - B. Exercise for fitness
  - C. Enjoyment
  - D. Life saving
49. Three of the following are defense skills used in the game of kabaddi. Which one is **not**?
- A. Wrist catch
  - B. Crocodile catch
  - C. Ankle catch
  - D. Cross kick
50. Which of the following materials can be used in the landing area in high jump?
- A. Bark of wood
  - B. Sand
  - C. Stones
  - D. Water



### ART AND CRAFT

1. What is the gradual change of colour from dark to light or light to dark?
  - A. Smudging
  - B. Gradation
  - C. Scribbling
  - D. Cross hatching
2. A grade 5 learner was arranging still life objects for drawing. She placed some objects in front of others. What was the importance of overlapping these objects?
  - A. To make some objects appear smaller.
  - B. To make some objects appear larger when drawn.
  - C. For easier drawing of the objects behind.
  - D. To create an illusion of depth.
3. Give the meaning of a secondary colour.
  - A. It is a colour that can be obtained by mixing any two colours.
  - B. It is a pure colour.
  - C. It is a colour obtained by mixing two primary colours in equal proportions.
  - D. It is a colour obtained without mixing primary colours.
4. The following are methods of preparing materials used for coiling technique in basketry. Which one is **not**?
  - A. Plaiting
  - B. Dyeing
  - C. Texturing
  - D. Splitting
5. Which is not a skill that can be applied while exhibiting artworks?
  - A. View point.
  - B. Use of space.
  - C. Placement of the artwork.
  - D. Colour and contrast of background.
6. A learner was adding white paint into red colour while painting so as to create a lighter tone. What is this process called?
  - A. Shading
  - B. Tinting
  - C. Polishing
  - D. Smudging
7. Which element of art is outstanding while using stippling as a shading technique?
  - A. Lines
  - B. Shape
  - C. Colour
  - D. Texture
8. A grade 4 learner wanted to prepare his clay before making a pot. He used the following steps.
  - i) *Kneading.*
  - ii) *Collection of clay.*
  - iii) *Removing impurities.*Arrange the steps correctly from the first to the third.
  - A. ii, iii, i
  - B. i, ii, iii
  - C. iii, i, ii
  - D. ii, i, iii
9. The following are elements of photography. Which one refers to the sharpness and clarity of an image?
  - A. Viewpoint
  - B. Focus quality
  - C. Background
  - D. Centre of interest
10. Which tool is the most suitable for scratching an image in crayon etching?
  - A. Ply wood
  - B. Adhesive
  - C. Toothpick
  - D. Glass

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### MUSIC

11. Which verse of the East African anthem begins with the words "Viwandani na hata mashambani?"
- Verse 3
  - Verse 1
  - Verse 2
  - Chorus

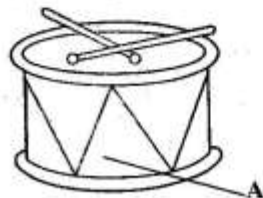
12. Which of the following is **not** an African stringed instrument?
- Shiriri
  - Litungu
  - Ukelele
  - Wandindi

13. What are the **correct** French rhythm names for the following notes?



- Taa, ta-te, ta-te, taa
  - Taa-aa, taa, taa, taa-aa-aa-aa
  - Taa-aa-aa-aa, taa, taa, taa-aa
  - Taa, taa-aa-aa-aa, ta-te
14. The loudness or softness of a song is commonly referred to as
- |             |           |
|-------------|-----------|
| A. tone     | B. rhythm |
| C. dynamics | D. pitch  |

15. The following is a drum.



- The part labelled A on the drum above is called the
- |                 |           |
|-----------------|-----------|
| A. resonator    | B. sling  |
| C. tuning laces | D. thongs |

16. "Kenya, my pride and joy, forever I will cherish....." These words seem to come from a type of song we call \_\_\_\_\_
- sacred song
  - action song
  - lullaby song
  - patriotic song

17. When playing a descant recorder, which hand should play notes B, A, G?
- Any hand
  - Left hand
  - Right hand
  - Both hands

18. Which of the following would **not** be an occasion that would make a community sing a folk song?
- Voting for a leaders.
  - A wedding ceremony.
  - A funeral in the community.
  - During initiation ceremonies.

19. The performance where two people sing a two-part song is called a \_\_\_\_\_
- dual
  - trio
  - collabo
  - duet

20. The part of a folk song that is usually the **most** exciting and intense in performance is called the
- climax
  - structure
  - ornamentation
  - verse