



EXAMINATIONS COUNCIL OF ZAMBIA

GRADE SEVEN COMPOSITE EXAMINATION – 2023



## Creative and Technology Studies

SUBJECT 8/1

75 MINUTES

TD/CTS1/G7/2023

- 1 Read these instructions carefully.
- 2 **DO NOT** turn this page before you are told. Your teacher will tell you when to turn this page to begin answering the questions.
- 3 There are **60** questions in this **CREATIVE AND TECHNOLOGY STUDIES PAPER**. You will be given **EXACTLY 75 MINUTES** to answer the questions.
- 4 For each question, four answers are given, but only one of the four is right. Work out which is the **BEST** answer. Then, on your **ANSWER SHEET**, mark the box completely by shading the answer space of the letter of your choice. If you had chosen answer D for a question, you would show it like this:-



- 5 You must **SHADE** your answer spaces **COMPLETELY** and **DARKLY** using an HB pencil. If you have to change your answer, you must rub out the shading **VERY NEATLY** before shading the new one. **USE A CLEAN RUBBER.**
- 6 When you have finished one page, go straight on without waiting to be told. If you have time left before the end of the examination, use it to check your work carefully.
- 7 Look at your **ANSWER SHEET**. On the top left hand side is a box which should have, Examination Year, your School Number and Examination Number. It should also say **Subject 8, Paper 1.**
- 8 Look at your **ANSWER SHEET** again. At the bottom left hand side, it should have your Surname, Forename, Subject –**Creative and Technology Studies**, Name of Primary School and Secondary School of choice.
- 9 **PUT UP YOUR HAND NOW IF:** You have any question.  
You have the wrong Answer Sheet.  
You will **NOT** be able to ask questions once the examination has begun.

**DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD.**  
**USE ONLY AN HB PENCIL FOR YOUR ANSWERS.**

**SECTION A: EXPRESSIVE ARTS**

- 1 The musical instrument shown below is mostly used for ... music.



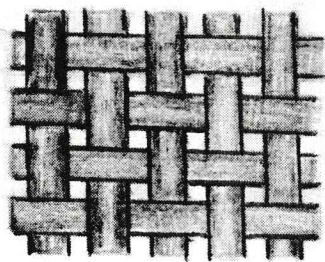
- A reggae
- B traditional
- C pop
- D jazz

- 2 What material is used to make the item shown in the diagram below?



- A Clay
- B Glass
- C Stone
- D Wood

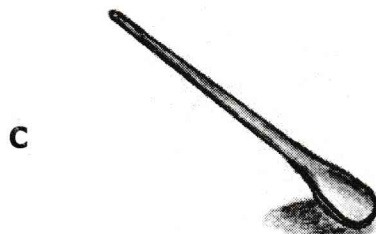
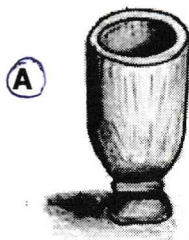
- 3 Study the following picture.



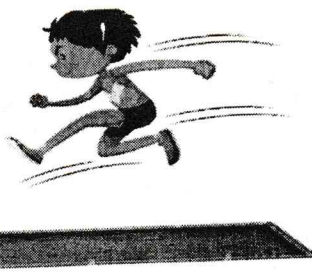
What type of crafts technique is this?

- A Collage
- B Knotting
- C Montage
- D Weaving

- 4 Chanda makes and sells flower pots at a nearby lodge. We can say he is an ...
- A entrepreneur.
  - B exporter.
  - C importer.
  - D investor.
- 5 Learners were asked to recite the tonic solfa. Which of the following is the fourth note?
- A do
  - B fa
  - C la
  - D mi
- 6 What safety measure could be done when preparing a football pitch?  
... the pitch.
- A Remove all solid objects from
  - B Pour a lot of water on
  - C Plant flowers round
  - D Paint the markings on
- 7 The extra money a trader earns after selling a product is called ...
- A commission.
  - B loss.
  - C profit.
  - D wage.
- 8 In the following diagrams, which item is **not** made by carving?

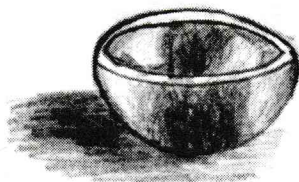


- 9 The sport activity performed by the learner in the diagram shown below is ...

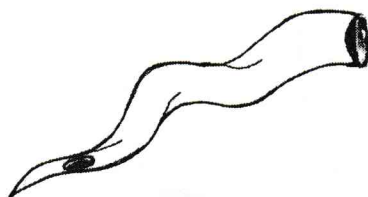


- A discuss.
- B high jump.
- C javelin.
- D long jump.





- 10 The shading technique used in the following picture is ...



- A smooth shading.
  - B dot shading.
  - C curved lines.
  - D cross etching.
- 11 Which two primary colours when mixed can form the colour green?
- A Blue and Red
  - B Orange and Purple
  - C Red and Yellow
  - D Yellow and Blue
- 12 The following musical instrument is ...



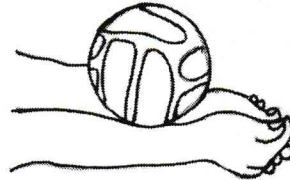
- A a western shaker.
- B a western instrument.
- C an African instrument.
- D an African drum.

- 13** Maria wore an appropriate dress every time she was working in the workshop. This is because she aims to ...
- A** appear smart.
  - B** look prettier.
  - C** prevent injuries.
  - D** work harder.
- 14** In a 100m × 4 relay, which runner completes the race? ... runner.
- A** First
  - B** Fourth
  - C** Second
  - D** Third
- 15** Which of the joined musical notes below makes a crotchet beat?
- A** 
  - B** 
  - C** 
  - D** 
- 16** Running horses in a sport of polo damages the grass. This may cause ...
- A** soil hardening.
  - B** soil erosion.
  - C** grass decaying.
  - D** grass germination.
- 17** When black paint is added to another paint, the other paint becomes darker. Black paint is a ...
- A** colour.
  - B** scheme.
  - C** shade.
  - D** tint.
- 18** Knotting strings in a pattern to make decorative items is called ...
- A** applique.
  - B** collage.
  - C** macramé. ✓
  - D** mosaic.

19 Which artefact is produced by using seeds and glue?

- A Collage
- B Mosaic
- C Paper mache
- D Wooden sculpture

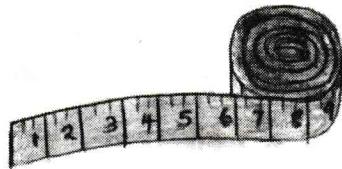
20 The skill shown in the diagrams below is used in volleyball as ... pass.



- A a bounce
- B a chest
- C a dig
- D an overhead

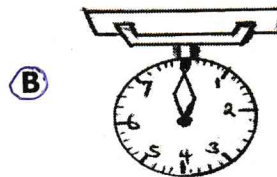
### SECTION B: HOME ECONOMICS

21 The needlework tool shown in the diagram below is ...



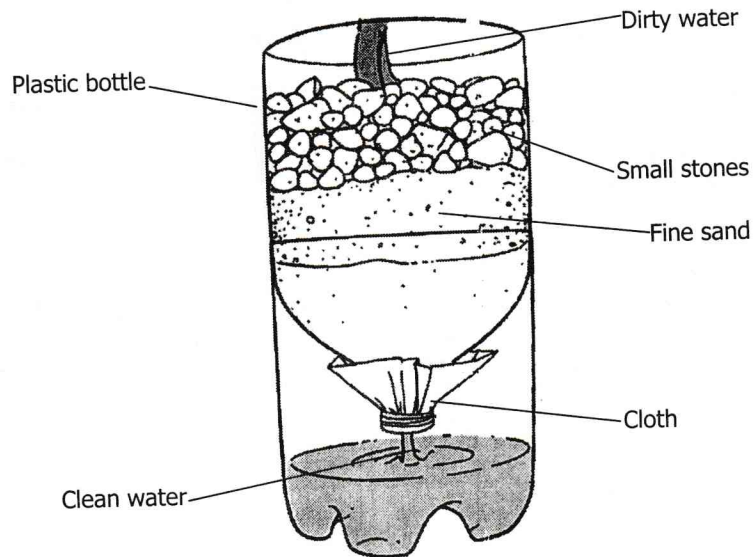
- A Measuring card.
- B Measuring tape.
- C Pinking shears.
- D Tailors' chalk.

22 Which of the following equipment can be used to measure the correct weight of food?



- 23** Brushing teeth three times a day as recommended by dentists helps to ...
- A** increase mouth bacteria.
  - B** keep the teeth clean and strong.
  - C** prevent sores in the stomach.
  - D** spread gum diseases.
- 24** What is food budgeting in a home? The amount of money ...
- A** kept to be used for visitors only.
  - B** kept aside to buy family clothes.
  - C** set aside to buy family food.
  - D** set to be used to buy food for children only.
- 25** Which list has the correct utensils for a traditional kitchen?
- A** Brazier, winnowing basket and mortar
  - B** Chopping board, jar and cutlery
  - C** Sieve, brazier and kitchen scale
  - D** Tin opener, colander and jar
- 26** From the following, choose the correct list of measuring and weighing equipment.
- A** Winnower, spoon and bottle
  - B** Spoon, cup and plate
  - C** Pot, bottle and scale
  - D** Cup, scale and spoon
- 27** To earn a living, learners ventured into making of wooden tables and chairs for sale. The learners can be said to be ...
- A** caring.
  - B** creative.
  - C** friendly.
  - D** polite.
- 28** A ... can be improvised from a plastic water bottle.
- A** funnel
  - B** lunch box
  - C** plate
  - D** rolling pin
- 29** The wet refuse from the kitchen can best be disposed of ...
- A** by burning.
  - B** in a drainage.
  - C** in a dust pan.
  - D** in a waste bin.

- 30 Why is air introduced into flour mixture?  
 A As a raising agent  
 B For thickening the mixture  
 C For a quick baking  
 D To improve appearance
- 31 The uniqueness of the body is referred to as ...  
 A appropriate dressing.  
 B confidence of a person.  
 C integrity of a person.  
 D physical appearance.
- 32 A good diet for people with HIV and AIDS must include ...  
 A carbohydrates, minerals and fats.  
 B fats, carbohydrates and proteins.  
 C proteins, vitamins and fats.  
 D proteins, vitamins and minerals.
- 33 The method of water purification shown in the diagram is called ...



- A boiling.  
 B chlorination.  
 C decantation.  
 D filtration.
- 34 Which of the following activities **cannot** be turned into a business venture in Home Economics?  
 A Flower arrangement  
 B Gardening  
 C Plumbing  
 D Scone baking

35 Crocheting can be used for ... on garments.

- A joining seams
- B making decorations
- C making hems
- D mending holes

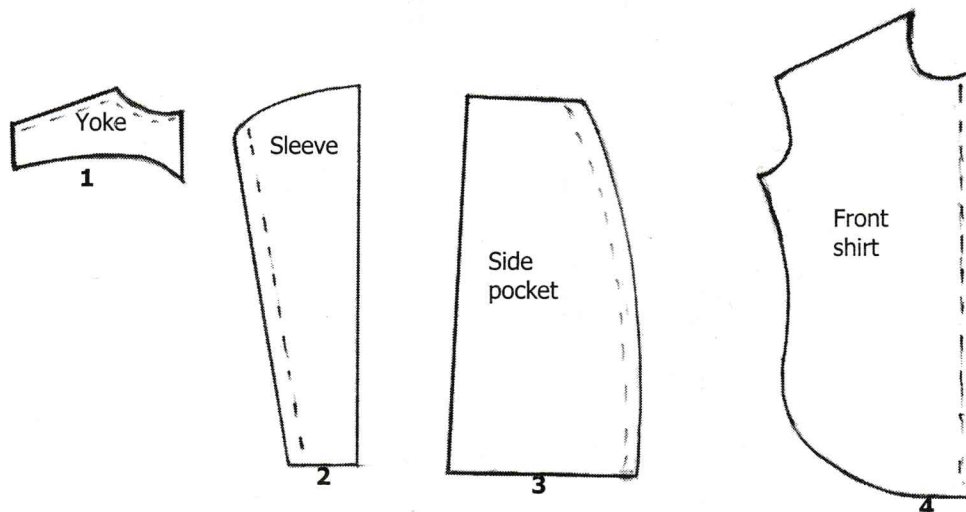
36 Which of the following water treatments is correctly paired with its explanation?

A	Boiling	Involves adding chlorine only
B	Chlorination	Allowing solids to settle
<input checked="" type="radio"/>	Decantation	Pouring out water from a settled mixture
D	Filtration	Straining dirty water through muslin cloth

37 The two sources of proteins are ...

- A animals and plants.
- B fruits and vegetables.
- C salts and cereals.
- D sugars and glucose.

38 Which of the pieces shown below can be joined when making a shirt?

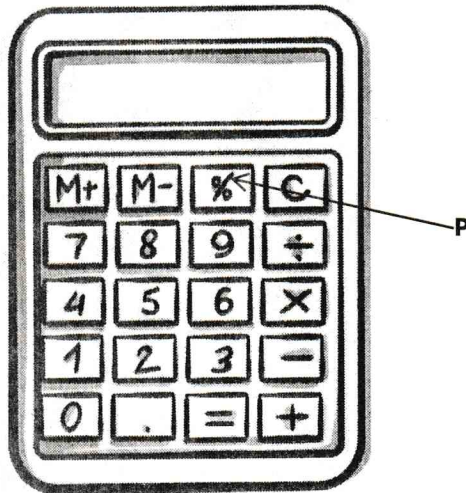


- A 1 and 3
- B 2 and 3
- C 2 and 4
- D 4 and 3

- 39 ... is a common type of weave used in needlework and crafts.
- A Basket
  - B** Plain
  - C Pile
  - D Twill
- 40 Which of the following is **not** an effect of physical appearance on others?
- A Attraction
  - B Intelligence
  - C Repulsion
  - D Respect

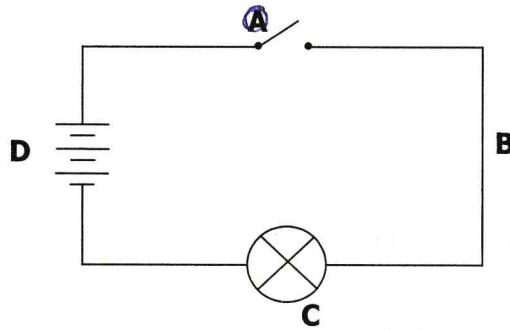
**SECTION C: TECHNOLOGY STUDIES**

- 41 John's money was stolen from his bank account. He might have ...
- A** disclosed his ATM card PIN to someone.
  - B forgotten to close his account.
  - C too much money in his account.
  - D too little money in his account.
- 42 The key marked **P** on the calculator drawn below is meant to ...



- A** calculate percentage.
- B divide numbers.
- C find results.
- D memory recalls.

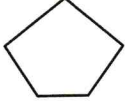



43 Which of the labelled parts show a switch on the diagram below?



44 ... are a product of moulding.

- A Bricks
- B Brooms
- C Chairs
- D Mats

45 Which of the following polygon is correctly paired with its name?

<b>A</b>		pentagon
<b>B</b>		nonagon
<b>C</b>		octagon
<b>D</b>		hexagon

46 Edward opened a barbershop in town after being empowered by the government. He offered ... to the people.

- A services
- B sales
- C profit
- D goods

43 Which of the labelled parts show a switch on the diagram below?



A

B

C

B

49 Mr Jones bought a car at K25 000 and later sold it at K20 000. How much profit did he make?

A K50 000

B K70 000

D K10 000

50 The following are components of a simple electric circuit **except** a ...

A bulb.

B copper wire.

C switch.

D rubber.

51 ... is used by professional graphic artists and photographers to create new images.

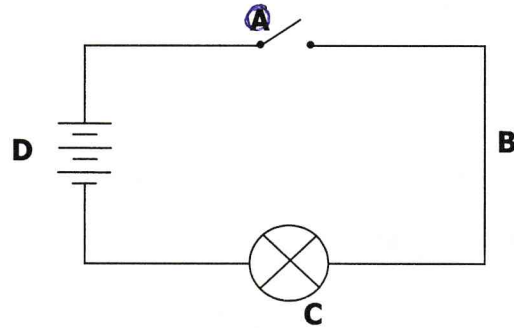
A Adobe

B CorelDraw

C Paint

D Photoshop

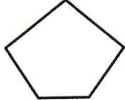



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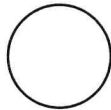
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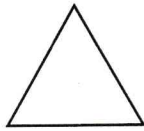
47 Which type of a calculator is designed to solve problems in science, mathematics and engineering?

- A Standard calculator
- B Scientific calculator
- C Calculator on a cell phone
- D Calculator on a computer

48 Which of the shapes below has a diameter, radius and centre?



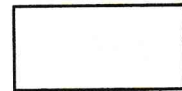
A



B



C



D

49 Mr Jones bought a car at K35 000 and later sold it at K45 000. How much profit did he make?

- A K80 000
- B K70 000
- C K45 000
- D K10 000

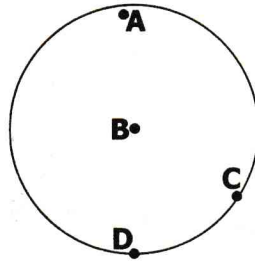
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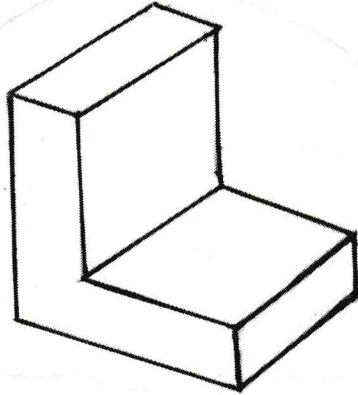
- 52 Tom was asked to construct a radius of a circle below. Which points would he join?



- A** C and D  
**B** C and A  
**C** B and C  
**D** A and D
- 53 Choose the correct procedure to be followed when gluing materials.

- |          |  |
|----------|--|
| <b>A</b> | (i) Apply glue on both parts.<br>(ii) Clean the surfaces to be joined.<br>(iii) Clamp the two pieces of wood together. |
| <b>B</b> | (i) Clamp the two pieces of wood together.<br>(ii) Clean the surfaces to be joined.<br>(iii) Apply glue on both parts. |
| <b>C</b> | (i) Clean the surfaces to be joined.<br>(ii) Apply glue on both parts.<br>(iii) Clamp the two pieces of wood together. |
| <b>D</b> | (i) Clean the surfaces to be joined.<br>(ii) Clamp the two pieces of wood together.<br>(iii) Apply glue on both parts. |

- 54 A learner constructed the block figure below.



It is drawn in ...

- A first angle.
  - B isometric.
  - C orthographic.
  - D third angle.
- 55 Moving a cursor with ... is easier and quicker than using a mouse.
- A arrow keys.
  - B control panel.
  - C enter key.
  - D space bar.
- 56 Which of the following text format slants the letters evenly to the right?
- A Bold
  - B Italic
  - C Normal
  - D Underline
- 57 To prevent twisting and cracking of bricks, Jane made a simple shade. This type of drying bricks is known as ...
- A artificial.
  - B chemical.
  - C natural.
  - D physical.

58 The nails in the diagram below are used to fix ...



- A ordinary iron sheets onto wood.
  - B plastic onto metal.
  - C plywood and soft boards together.
  - D textile materials to wood.
- 59 Agness wanted to access different computer applications. What did she use?  
Microsoft ...
- A Excel.
  - B Office.
  - C Paint.
  - D Word.
- 60 Changing the size of an image is a type of graphics known as ...
- A designing.
  - B packaging.
  - C manipulation.
  - D navigation.

**STOP! PLEASE GO BACK AND CHECK YOUR WORK.**