

G7 ECZ CREATIVE & TECH. STUDIES 2016 SPECIMEN SOLUTIONS

ECZ Composite Examination -- Creative and Technology Studies, Specimen Paper for examinations starting 2016

60 multiple-choice questions -- A: Expressive Arts (1-20), B: Home Economics (21-40), C: Technology Studies (41-60)
Question paper appears first -- worked answers follow. A few items are flagged as best-effort judgment calls where a diagram or wording is ambiguous.



EXAMINATIONS COUNCIL OF ZAMBIA

GRADE 7 COMPOSITE EXAMINATION

Creative and Technology Studies

SPECIMEN PAPER FOR EXAMINATIONS STARTING IN 2016

SECTION A: EXPRESSIVE ARTS

- 1 The note shown below has ...



- A $\frac{1}{2}$ beat
- B 1 beat
- C 2 beats
- D 3 beats

- 2 Which of the following is a gymnastic activity?

- A Forward roll
- B Hurdle jumping
- C Press ups
- D Relay race

- 3 Which of the following is **not** the best way to use the poster?

- A Advertising
- B Announcing an event
- C Decoration
- D Promoting sexual abuse

- 4 Dancing follows the song's ...

- A chorus.
- B pitch.
- C rhythm.
- D theme.

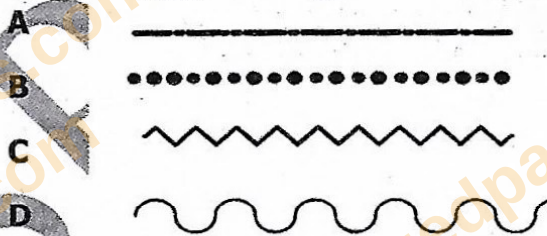
- 5 In gymnastics different pieces of equipment are used **except** ...

- A dumb bells.
- B horizontal bars.
- C parallel bars.
- D vaulting box.

- 6 Rhythm is the flow of music in time. It is mainly measured in ...

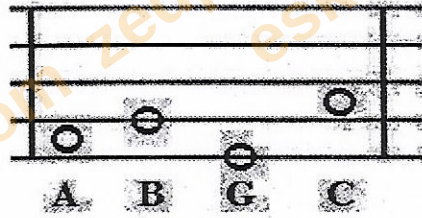
- A beats, melody and meter.
- B beats, meter and tempo.
- C harmony, meter and tempo.
- D melody, harmony and meter.

- 7** The two ways in which you can make a drawing are ...
- A** land scape and sideway.
 - B** land scape and portrait.
 - C** imaginative and still life.
 - D** portrait and sideway.
- 8** Which of the following will help a musician to raise money?
- A** Entertaining people at a show.
 - B** Practising how to play drums.
 - C** Singing during an initiation ceremony.
 - D** Using instruments at a funeral.
- 9** In the game of netball, the role of the goal attacker is to ...
- A** begin the game.
 - B** defend the ring.
 - C** protect the team.
 - D** score the goals.
- 10** Rules are applied in games to
- A** ensure fair play.
 - B** favour one team.
 - C** make the game interesting.
 - D** punish all players.
- 11** Which of the lines below can make a wavy pattern?



- 12** Gule Wamukulu (Nyau) is an African traditional dance usually performed by the ...
- A** Tongas of Southern Province.
 - B** Namwangas of Muchinga Province.
 - C** Lozis of Western Province.
 - D** Chewas of Eastern Province.

- 13** Which **one** of the clefs below makes the lettering of the staff correct?

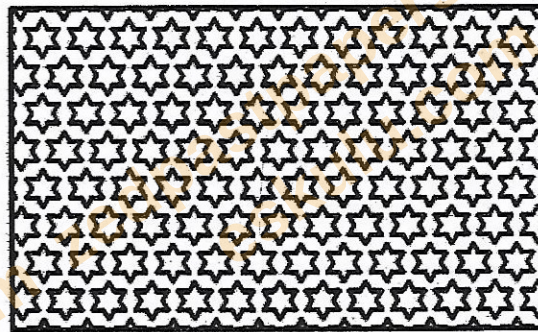


- A** Bass clef
- B** Treble clef
- C** G clef
- D** C clef

- 14** Which of the following is the best lifesaving skill in swimming?

- A** Back stroke
- B** Breast stroke
- C** Free rescue
- D** Reach rescue

- 15** The pattern in the diagram below can be used for ...



- A** arrangement.
- B** colouring.
- C** decorating.
- D** painting.

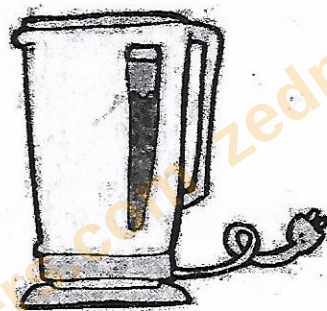
- 16** Which set of activities can be drawn to represent poverty reduction?

- A** Beer drinking, smoking and farming.
- B** Farming, carving and tailoring.
- C** Smoking, carving and farming.
- D** Tailoring, beer drinking and farming.

- 17 Masiye made a picture from small pieces of coloured materials. This is known as ...
- A collage.
 - B mosaic.
 - C montage.
 - D applique.
- 18 Apart from entertainment music can also be used to ...
- A admire musicians attire.
 - B communicate messages to people.
 - C display used musical instruments.
 - D show how good smoking is.
- 19 Appropriate dress in practical activities is important to ...
- A be admired by others.
 - B look smart while working.
 - C protect yourself from injury.
 - D show that you can work.
- 20 A sprint race is started by the following steps.
- A Go, set, on your marks.
 - B Go, on your marks, set.
 - C On your marks, set, go.
 - D Set, go, on your marks.

SECTION B: HOME ECONOMICS

- 21 Identify the kitchen equipment shown below:



- A Electric blender
- B Electric kettle
- C Electric saucepan
- D Electric teapot

22. Identify one physical change in boys at puberty.

- A The hips become enlarged and widened.
- B The voice breaks and deepens.
- C The breasts enlarge.
- D They produce milk.

23. What is **one** reason for cooking food?

- A For admiring of beauty
- B Look more
- C Kill germs
- D Remove dirty

24. Give an example of a raising agent you can use to make a Swiss roll.

- A Baking powder
- B Bicarbonate of soda
- C Egg white
- D Yeast

25. What is described as the feeling of personal worth, liking oneself?

- A Good dressing
- B Good grooming
- C Physical appearance
- D Self respect

26. Non-verbal communication involves the following **except** ...

- A dressing
- B e-mail
- C space
- D tone of voice

27. Poor ventilation results in ...

- A short supply of clean air.
- B pneumonia and tuberculosis.
- C excess supply of clean air.
- D colds and coughs.

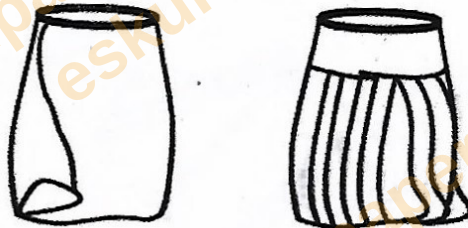
28. Mangoes, avocados, pears and bananas are good for making ... salads.

- A cabbage
- B fruit
- C potato
- D vegetable

- 29 Explain what food budgeting is.
- A A plan of how food is bought from the market.
 - B A plan of how food is shared in the home.
 - C A plan of how you spend your money on food.
 - D A plan of how you want to eat your food.

- 30 How do we care for our feet?
- A Apply Vaseline every morning.
 - B Put on socks all the time.
 - C Wear correct size of shoes.
 - D Scrub feet before wearing shoes.

- 31 Two types of designs on skirts are shown below. The methods of arranging fullness can be seen in the diagrams. These are ... and



- A darts and fastness.
- B darts and pleats.
- C mending clothes.
- D patch and hem.

- 32 Explain the first general rule of dyeing a fabric.

- A Add salt to the material before dyeing.
- B Boil the dye together with the material.
- C Coil both ends of the material.
- D Wet the material before dyeing.

- 33 The method of adding chlorine to drinking water helps in ... water borne diseases.

- A preventing
- B promoting
- C protecting
- D spreading

- 34 Which of the following has the correct combination of leftover food and leftover dishes?

	Leftover food	Leftover dishes
A	Bread	Puddings and pies
B	Chicken	Soups and fritters
C	Nshima	Sandwiches and munkoyo drink
D	Rice	Puddings and fritters

- 35 Which of the opening mentioned below can be used on a skirt?

- A Zip opening
- B Slit opening
- C Faced opening
- D Bound opening

- 36 What is the use of maize straws in craft work?

- A Produce a dye for colouring.
- B Stuffing the items made.
- C To plait mealie meal sacks.
- D To plait reed mats.

- 37 Which item can be used in place of a winnower/winnowing basket to remove unwanted particles from food?

- A Colander
- B Saucepan
- C Strainer
- D Tray

- 38 Below is a column of changes in boys and girls at puberty stage. Which column has a correct match?

	BOYS	GIRLS
A	Have pimples	Legs grow tall
B	Hips get big	Breasts grow big
C	Shoulders not broaden	Do not have pimples
D	Voice deepens	Breasts grow big

- 39 Mrs Mwanza sales groceries in her shop. Which of the following must she do to know whether she is making profit or loss?
- A Be nice to customers.
 - B Buy more groceries which do not sale.
 - C Give extras to customers each time they buy.
 - D Record all her items and sales for each day.
- 40 Look at the diagram below;



This item is made by ...

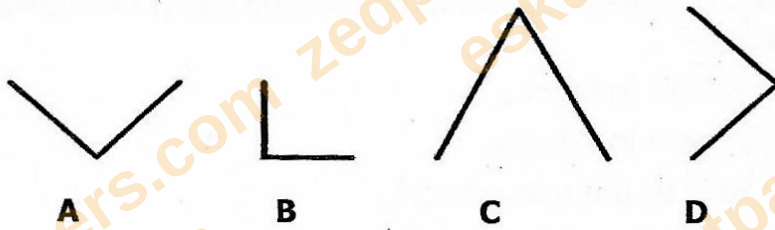
- A carving and knitting.
- B embroidery and crocheting.
- C plaiting and weaving.
- D tie and dying.

SECTION C: TECHNOLOGY STUDIES

- 41 Which **one** of the following helps us to connect a pressing iron to an electricity source in our homes?
- A Bulb
 - B Bulb holder
 - C Meter box
 - D Socket outlet
- 42 Which **one** of the following on the computers helps us to navigate windows?
- A Cursor
 - B Internet
 - C Mouse
 - D Taskbar
- 43 How do solar panels get the electrical energy? They ...
- A are exposed to the soil.
 - B are exposed to cold weather.
 - C get the energy from the sun.
 - D get the energy from water.

- 44 How has a cellphone made communication easier? People are able to communicate ...
- A anywhere in towns.
 - B anywhere in villages.
 - C as long as there is network.
 - D easily with expensive phones.
- 45 Why is it better to use iron roofing sheets than grass when roofing a house? Roofing sheets ...
- A are cheaper.
 - B easily worn out.
 - C lasts longer.
 - D smell good.
- 46 When preparing land for construction, setting is done in order to...
- A clear the land.
 - B harden the land
 - C mark the foundation.
 - D soften the ground.
- 47 Which of the following is **not** a risk associated with the use of the internet?
- A Destroyed reputation
 - B Difficult to hide identity
 - C Exposure to immorality
 - D Easy business contacts
- 48 Machona was adding the cost of items he was buying using a calculator which ran out of power. Which other tool could be used to complete the addition quickly?
- A Brick game
 - B Cell phone
 - C Digital watch
 - D Mechanical watch
- 49 Mulenga wanted to make a simple electric circuit, he needed dry cells, a bulb, copper wire and a ...
- A generator.
 - B meter box.
 - C socket.
 - D switch.

- 50 Which of the following parts when put together will produce a kite?



- A A and C
B A and D
C B and D
D C and A

- 51 Katiti used ... to download different softwares.

- A internet websites
B Microsoft excel
C Microsoft office
D windows movie maker

- 52 A student was typing a composition for her assignment. The title of the composition was supposed to be ...

- A at the end of the composition.
B deleted after typing.
C written in capital letters and underlined.
D written in small letters and not underlined.

- 53 To print words, a Grade 5 pupil used an alphabet stencil and ...

- A markers.
B paper.
C pencil.
D pen.

- 54 Mubita burnt the clay bricks after muddling them. He did this to ...

- A harden the bricks.
B make the bricks look attractive.
C make the clay bricks look dark.
D soften the clay bricks.

- 55 A carpenter was preparing wood to make a table. The wood was supposed to be ... first.

- A cut
B measured
C planed
D smoothened

- 56 A student was going to work in the workshop and was to observe three of the following rules **except** ...
- A wear loose clothes.
 - B wear protective goggles.
 - C do not play with the machines.
 - D do not smoke cigarettes.
- 57 To do lettering print, one should ...
- A click the lettering icon.
 - B pick the print icon.
 - C select the format.
 - D use words only to print text.
- 58 What is the difference between a tape measure and a steel rule?
- A A tape measure is soft while a steel rule is hard.
 - B A tape measure lasts longer than a steel rule.
 - C A steel rule gives better measurements than a tape measure.
 - D A steel rule is used in metalwork while a tape measure is used in tailoring.
- 59 When information is typed and kept in a computer, it can be retrieved by ...
- A changing windows.
 - B closing the file.
 - C deleting the information.
 - D double clicking on the file.
- 60 A carpenter spent K130.00 to make a table. At what price can he sell it to get a reasonable profit?
- A K200.00
 - B K130.00
 - C K300.00
 - D K120.00

STOP! PLEASE GO BACK AND CHECK YOUR WORK.

Question 1. [SECTION A: EXPRESSIVE ARTS] Study the musical note shown (a single flagged eighth note). The note shown below has ...

Answer: A -- 1/2 beat.

Question 2. Which of the following is a gymnastic activity?

Answer: A -- Forward roll.

Question 3. Which of the following is not the best way to use the poster?

Answer: D -- Promoting sexual abuse.

Question 4. Dancing follows the song's ...

Answer: C -- rhythm.

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Answer: A -- dumb bells.

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Answer: B -- beats, meter and tempo.

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Answer: B -- land scape and portrait.

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Answer: D -- score the goals.

Question 10. Rules are applied in games to ...

Answer: A -- ensure fair play.

Question 11. Study the four line samples (A: straight, B: dotted, C: zigzag, D: wavy/curved). Which of the lines below can make a wavy pattern?

Answer: D.

Question 12. Gule Wamukulu (Nyau) is an African traditional dance usually performed by the ...

Answer: D -- Chewas of Eastern Province.

Question 13. Study the diagram of a musical staff with notes at positions labelled A, B, G, C. Which one of the clefs below makes the lettering of the staff correct?

Best-effort judgment call -- the options list both "Treble clef" and "G clef" as separate choices even though they name the same clef; the standard curriculum term for this clef is treble clef.

Answer: B -- Treble clef.

Question 14. Which of the following is the best lifesaving skill in swimming?

Answer: D -- Reach rescue (reaching for a person in trouble is the safest first response, before wading, rowing or swimming out to them).

Question 15. Study the diagram of a busy repeated star pattern. The pattern in the diagram below can be used for ...

Answer: C -- decorating.

Question 16. Which set of activities can be drawn to represent poverty reduction?

Answer: B -- Farming, carving and tailoring.

Question 17. Masiye made a picture from small pieces of coloured materials. This is known as ...

Answer: B -- mosaic.

Question 18. Apart from entertainment music can also be used to ...

Answer: B -- communicate messages to people.

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Answer: C -- protect yourself from injury.

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Answer: C -- On your marks, set, go.

Question 21. [SECTION B: HOME ECONOMICS] Study the picture of an electric blender. Identify the kitchen equipment shown below:

Answer: A -- Electric blender.

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Best-effort judgment call among the given options.

Answer: A -- Baking powder.

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Answer: B -- e-mail (a written/verbal message, unlike dressing, use of space and tone of voice which are all non-verbal cues).

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Answer: C -- Wear correct size of shoes.

Question 31. Study the two skirt diagrams: one with a single curved dart seam near the hem, the other with straight vertical pleats gathered at the waistband. Two types of designs on skirts are shown below. The methods of arranging fullness can be seen in the diagrams. These are ... and ...

Best-effort judgment call matching the two skirt diagrams to the given technique pairs.

Answer: B -- darts and pleats.

Question 32. Explain the first general rule of dyeing a fabric.

Answer: D -- Wet the material before dyeing.

Question 33. The method of adding chlorine to drinking water helps in ... water borne diseases.

Answer: A -- preventing.

Question 34. Study the table pairing leftover food with a leftover dish (A: Bread - Puddings and pies, B: Chicken - Soups and fritters, C: Nshima - Sandwiches and munkoyo drink, D: Rice - Puddings and fritters). Which of the following has the correct combination of leftover food and leftover dishes?

Best-effort judgment call among the four pairings -- bread pudding/bread pie is the most standard classic combination.

Answer: A -- Bread / Puddings and pies.

Question 35. Which of the opening mentioned below can be used on a skirt?

Best-effort judgment call among the given opening types.

Answer: A -- Zip opening.

Question 36. What is the use of maize straws in craft work?

Best-effort judgment call among the given options.

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Answer: D -- Voice deepens (boys) / Breasts grow big (girls).

Question 39. Mrs Mwanza sells groceries in her shop. Which of the following must she do to know whether she is making profit or loss?

Answer: D -- Record all her items and sales for each day.

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Answer: D -- Easy business contacts.

Question 48. Machona was adding the cost of items he was buying using a calculator which ran out of power. Which other tool could be used to complete the addition quickly?

Best-effort judgment call -- of the four options, only a phone can plausibly substitute for a calculator's arithmetic function.

Answer: B -- Cell phone.

Question 49. Mulenga wanted to make a simple electric circuit, he needed dry cells, a bulb, copper wire and a ...

Answer: D -- switch.

Question 50. Study the four kite-frame pieces (A: downward V/checkmark, B: right-angle L, C: upward-pointing triangle/peak, D: sideways chevron). Which of the following parts when put together will produce a kite?

Best-effort judgment call -- a downward V (A) and an upward peak (C) combine into a diamond/kite outline.

Answer: A -- A and C.

Question 51. Katiti used ... to download different softwares.

Answer: A -- internet websites.

Question 52. A student was typing a composition for her assignment. The title of the composition was supposed to be ...

Answer: C -- written in capital letters and underlined.

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Answer: B -- measured.

Question 56. A student was going to work in the workshop and was to observe three of the following rules except ...

Answer: A -- wear loose clothes (loose clothing is a workshop hazard, unlike wearing goggles, avoiding the machines and not smoking, which are all genuine safety rules).

Question 57. To do lettering print, one should ...

Best-effort judgment call among the given options.

Answer: C -- select the format.

Question 58. What is the difference between a tape measure and a steel rule?

Answer: A -- A tape measure is soft while a steel rule is hard.

Question 59. When information is typed and kept in a computer, it can be retrieved by ...

Answer: D -- double clicking on the file.

Question 60. A carpenter spent K130.00 to make a table. At what price can he sell it to get a reasonable profit?

Answer: A -- K200.00.

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