

G7 ECZ CREATIVE & TECH. STUDIES 2021 SOLUTIONS

Grade 7 ECZ Composite Examination -- Creative and Technology Studies, 2021

multiple-choice questions -- A: Expressive Arts (1-20), B: Home Economics (21-40), C: Technology Studies (41-60), 75 minutes. The question paper appears first -- worked answers follow. A few items are flagged as best-effort judgment calls where a diagram or wording is ambiguous.



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**EXAMINATIONS COUNCIL OF ZAMBIA****GRADE SEVEN COMPOSITE EXAMINATION – 2021**

Creative and Technology Studies

SUBJECT 8/1**75 MINUTES****TD/CTS1/G7/2021**

- 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

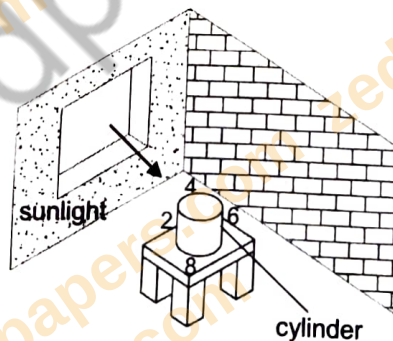
- 1 A minim has got ... beats.
- A $3\frac{1}{2}$
 - B 3
 - C $2\frac{1}{2}$
 - D 2
- 2 A ... is made up of repeated stripes, shapes, lines or colours.
- A colour wheel
 - B pattern
 - C shade
 - D tint
- 3 Wearing the appropriate dress in practical activities enables one to ...
- A work well.
 - B look smart.
 - C become strong.
 - D be healthy.
- 4 Scissors style is a skill performed in ...
- A long jump.
 - B high jump.
 - C 4 × 800 relay.
 - D 4 × 100 sprint.
- 5 Which of the following is **not** a reason for warm up in physical activities?
- A Improve flexibility and strength.
 - B Make the body rest.
 - C Prepare the body before vigorous activities.
 - D Prevent injuries to the muscles.
- 6 Which technique is used to make reed mats?
- A Weaving
 - B Sewing
 - C Plaiting
 - D Carving

- 7 Sisal, maize straw and grass are materials used to make ...
- A brooms.
 - B jerseys.
 - C knives.
 - D mats.

- 8 A learner joined the musical notes below. How many quaver beats are there?



- A 1
 - B $1\frac{1}{2}$
 - C 2
 - D $2\frac{1}{2}$
- 9 Which of the following lists show the skills used in football?
- A Digging, dribbling, serving.
 - B Serving, feinting, trapping.
 - C Shooting, volleying, dribbling.
 - D Trapping, dribbling, feinting.
- 10 Which of the following places **cannot** have artworks sold quickly?
- A Gallery room
 - B Exhibitor centre
 - C Curio shop
 - D Backyard space
- 11 On which side of the cylinder will the shadow fall?



- A 2
- B 4
- C 6
- D 8

12 Which of the following items can be made by carving?

- A** Motar
- B** Mat
- C** Hat
- D** Basket

13 Which of the following exercises will help develop your leg muscles?

- A** Press-ups
- B** Sit-ups
- C** Throw and catch
- D** Weight lifting

14 The musical note below is called ...



- A** quaver.
- B** minim.
- C** crotchet.
- D** brave.

15 Which of the following has the correct order of steps taken in drawing?

- A** Align, observe and decide.
- B** Decide, align and observe.
- C** Decide, observe and align.
- D** Observe, decide and align.

16 Which musical instrument do musicians use to produce sound by blowing air inside it?

- A** Pinto
- B** Mondodrum
- C** Kalimba
- D** Hand piano

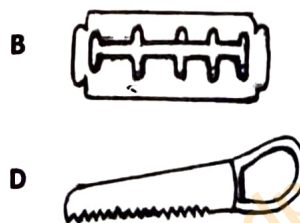
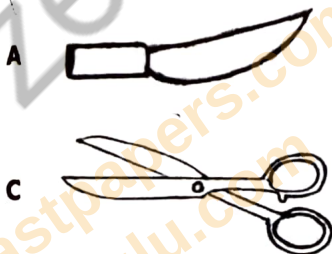
17 ... is a craft of sewing fabric shapes onto large pieces of cloth.

- A** Mosaic
- B** Montage
- C** Collage
- D** Appliqué

- 18 ... can be used to draw figures in action.
- A Cone shapes
 - B Dotted lines
 - C Oval shapes
 - D Zigzag lines
- 19 A grade seven learner transcribed the minim by adding a dot to it. How many crotchet beats does it have now? ... beats.
- A 2
 - B 3
 - C 4
 - D 8
- 20 The physical activity that involves balancing, making a human pyramid and performing on the floor is called ...
- A stunt.
 - B rhythmic.
 - C artistic.
 - D aerobic.

SECTION B: HOME ECONOMICS

- 21 Knives and other sharp objects in a house should be properly stored in order to ...
- A make them remain new.
 - B make them remain sharp.
 - C prevent accidents.
 - D prevent people from borrowing.
- 22 The best needlework tool used for cutting fabric is ...



- 23 Laundry starch can be obtained from all the following **except** ...
- A wheat.
 - B rice.
 - C maize.
 - D fish.
- 24 Which of the following is the best way of promoting privacy and bodily integrity for both boys and girls?
- A Building them separate bathrooms
 - B Building them communal toilets
 - C Allowing them to use same bathroom
 - D Allowing them to use the same bedroom
- 25 A ... is used to store pins in needlework and crafts.
- A tools box
 - B pin foam
 - C pin box
 - D pin cushion
- 26 To have energy, one should eat foods such as ...
- A butter, beef, chicken.
 - B chibwabwa, rape, cabbage.
 - C fish, eggs, beans.
 - D nshima, rice, cassava.
- 27 ... is used to measure short lengths on fabrics.
- A Tailor's chalk
 - B Measuring tape
 - C Measuring hem
 - D Measuring card
- 28 ... need a diet with large quantities of vitamins, calcium and proteins.
- A Expectant mothers
 - B Lactating mothers
 - C Old people
 - D Young children
- 29 The following is true about food preservation **except** ...
- A adding variety to the diet.
 - B keeping food for the growing children only.
 - C making seasonal foods available throughout the year.
 - D preventing food decay.

- 30** The following types of food are prepared by stewing **except** ...
- A** beans.
 - B** beef.
 - C** fish.
 - D** groundnuts.
- 31** Bathing, dressing and applying makeup are ... practices.
- A** beautiful
 - B** immoral
 - C** personal grooming
 - D** self pride
- 32** The first set of teeth in human beings is called ... teeth.
- A** milk
 - B** permanent
 - C** strong
 - D** weak
- 33** Which of the following foods are used for garnishing?
- A** Beans, rape
 - B** Cabbage, potato
 - C** Cucumber, tomatoes
 - D** Kapenta, onion
- 34** Which of the following would best be used for cleaning the backyard? ... broom.
- A** Hard
 - B** Mopping
 - C** Scrubbing
 - D** Soft
- 35** A Home Economics learner bought a table cloths at K150.00 and later sold it at K250.00. How much profit did she make?
- A** K50.00
 - B** K100.00
 - C** K300.00
 - D** K400.00
- 36** A person's feelings of beauty and attractiveness to others is called ...
- A** body image.
 - B** body structure.
 - C** mental image.
 - D** mental makeup.

- 37** Communication, pricing the products or services and distribution are factors in ...
- A** banking.
 - B** manufacturing.
 - C** marketing.
 - D** saving.
- 38** Which of the following is **not** an example of decorative stitch?
- A** Blanket stitch
 - B** Chain stitch
 - C** Running stitch
 - D** Stem stitch
- 39** Tailors display sewn items in order to ...
- A** attract buyers.
 - B** copy the patterns.
 - C** dry the clothes.
 - D** measure different sizes.
- 40** ... is the type of stitch used to prevent edges from fraying.
- A** Blanket
 - B** Chain
 - C** Back
 - D** Running

SECTION C: TECHNOLOGY STUDIES

- 41** A learner drew the picture below and stuck it on the bag. The sign means ...

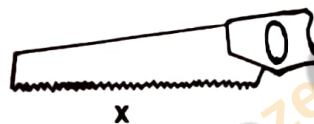
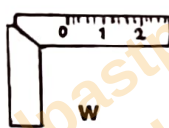


- A** do not tear.
- B** do not touch.
- C** feel free to touch.
- D** you can get.

- 42 Why is a money clip used as a switch in an electric circuit? It is a ...
- A bad conductor of electricity.
 - B good conductor of electricity.
 - C nicely shaped object.
 - D very shiny and attractive object.

- 43 ... is one of the safety rules in a workroom.
- A Playing with sharp tools
 - B Running about
 - C Touching electrical installations
 - D Wearing appropriate clothes

- 44 Which group has the correct names for the following tools?



	W	X	Y	Z
A	Tri square	Hand saw	Mallet	Marking knife
B	Mallet	Marking knife	Hand saw	Tri square
C	Marking knife	Hand saw	Mallet	Tri square
D	Hand saw	Tri square	Marking knife	Mallet

- 45 Which of the following are the basic parts of a circle?

- A Breadth and length
- B Diameter and radius
- C Width and length
- D Width and radius

- 46 Hairdressers, bricklayers, bankers, tailors and plumbers offer ...

- A credits.
- B debts.
- C loans.
- D services.

- 47 John drew a triangle with sides of the same measurement. It is called ... triangle.

- A equilateral
- B right angled
- C isosceles
- D scalene

48 Someone who discloses the ATM number or PIN may ...

- A** have the money stolen from his/her account.
- B** have the ATM card destroyed by the bank.
- C** lose the code and the ATM card.
- D** safeguard the account.

49 Hydroelectricity is that which ...

- A** cannot be used at home.
- B** does not finish.
- C** is generated from water.
- D** is generated from wind.

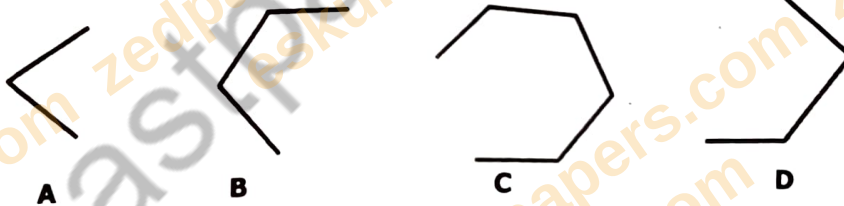
50 The following are reasons for giving first aid **except** ...

- A** preserving life.
- B** preventing further harm.
- C** stopping bleeding.
- D** worsening the situation.

51 In ... projection, the object is usually drawn as three separate views.

- A** a first angle
- B** a third angle
- C** an isometric
- D** an orthographic

52 Which of the following shapes can be joined to form a Hexagon?



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

53 Which of the following is a part of a work bench?

- A** Handle
- B** Saddle
- C** Vice
- D** Wheel

54 Which of the following is a risk associated with the internet?

- A** Browsing
- B** Downloading
- C** Hacking
- D** Searching

- 55 Which of the following internet risks is correctly paired with its function?

A	CRIME	Predators using social media to get people they want
B	CYBER CRIME	Someone getting your banking details and steal money.
C	HACKING	Someone getting information on social media when you will be away so they can rob your home.
D	SEXUAL ABUSE	Someone getting security measures on website and computer networks.

- 56 After a document was typed, it was checked for possible mis-spelling and missing words. The document was being ...

A discarded.
B edited.
C formatted.
D misplaced.

- 57 To join two pieces of wood quickly to form a joint, Mwiya used ...

A bridle joint.
B butt joint.
C lap joint.
D nailing.

- 58 Cash, stock and sales books are .. records.

A calculation
B costing
C financial
D selling

- 59 Unwanted mail appeared in one of the learners email inbox in form of advertising. This is called ...

A cracking.
B cybercrime.
C phishing.
D spam.

- 60 The mouse cursor changes its shape for different ...

A microsoft applications.
B programme icons.
C tasks.
D windows.

STOP! PLEASE GO BACK AND CHECK YOUR WORK.

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Question 1. [SECTION A: EXPRESSIVE ARTS] A minim has got ... beats.

Answer: D -- 2.

Question 2. A ... is made up of repeated stripes, shapes, lines or colours.

Answer: B -- pattern.

Question 3. Wearing the appropriate dress in practical activities enables one to ...

Best-effort judgment call among the given options.

Answer: A -- work well.

Question 4. Scissors style is a skill performed in ...

Answer: B -- high jump.

Question 5. Which of the following is not a reason for warm up in physical activities?

Answer: B -- Make the body rest.

Question 6. Which technique is used to make reed mats?

Answer: C -- Plaiting.

Question 7. Sisal, maize straw and grass are materials used to make ...

Answer: D -- mats.

Question 8. Study the diagram of three eighth (quaver) notes joined by a beam. A learner joined the musical notes below. How many quaver beats are there?

Answer: B -- 1 1/2 (three quavers at 1/2 beat each).

Question 9. Which of the following lists show the skills used in football?

Best-effort judgment call -- both option C and D list plausible football skills, but "volleying" in option C is more strongly associated with volleyball, whereas trapping, dribbling and feinting are all specifically football skills.

Answer: D -- Trapping, dribbling, feinting.

Question 10. Which of the following places cannot have artworks sold quickly?

Answer: D -- Backyard space.

Question 11. Study the diagram of a cylinder on a stool near a wall, with sunlight entering diagonally through a window and numbered points 2, 4, 6, 8 around the cylinder. On which side of the cylinder will the shadow fall?

Best-effort judgment call -- the shadow falls on the side opposite the incoming sunlight, which points down-and-right toward the wall corner.

Answer: C -- 6.

Question 12. Which of the following items can be made by carving?

Answer: A -- Motar (mortar).

Question 13. Which of the following exercises will help develop your leg muscles?

Best-effort judgment call among the given options.

Answer: D -- Weight lifting.

Question 14. Study the musical note shown (a solid notehead with a plain stem, no flag). The musical note below is called ...

Answer: C -- crotchet.

Question 15. Which of the following has the correct order of steps taken in drawing?

Answer: D -- Observe, decide and align.

Question 16. Which musical instrument do musicians use to produce sound by blowing air inside it?

Best-effort judgment call among the given instrument names.

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Answer: C -- prevent accidents.

Question 22. Study the four cutting-tool diagrams (A: knife, B: razor blade, C: pair of scissors, D: saw). The best needlework tool used for cutting fabric is ...

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Answer: D -- fish.

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Answer: A -- Building them separate bathrooms.

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Answer: D -- nshima, rice, cassava.

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Best-effort judgment call among the given options.

Answer: D -- Measuring card.

Question 28. ... need a diet with large quantities of vitamins, calcium and proteins.

Best-effort judgment call between expectant and lactating mothers, both of which need this diet.

Answer: A -- Expectant mothers.

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Answer: A -- milk.

Question 33. Which of the following foods are used for garnishing?

Answer: C -- Cucumber, tomatoes.

Question 34. Which of the following would best be used for cleaning the backyard? ... broom.

Best-effort judgment call -- a hard/stiff broom suits sweeping an outdoor backyard better than a soft indoor broom.

Answer: A -- Hard.

Question 35. A Home Economics learner bought a table cloths at K150.00 and later sold it at K250.00. How much profit did she make?

Answer: B -- K100.00.

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Best-effort judgment call among the given stitch names.

Answer: A -- Blanket.

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Answer: B -- do not touch.

Question 42. Why is a money clip used as a switch in an electric circuit? It is a ...

Answer: B -- good conductor of electricity.

Question 43. ... is one of the safety rules in a workroom.

Answer: D -- Wearing appropriate clothes.

Question 44. Study the four labelled tool diagrams (W: an L-shaped ruled square, X: a hand saw, Y: a mallet, Z: an angled marking knife). Which group has the correct names for the following tools?

Answer: A -- W: Tri square, X: Hand saw, Y: Mallet, Z: Marking knife.

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Answer: B -- Diameter and radius.

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Answer: A -- have the money stolen from his/her account.

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Answer: C -- is generated from water.

Question 50. The following are reasons for giving first aid except ...

Answer: D -- worsening the situation.

Question 51. In ... projection, the object is usually drawn as three separate views.

Answer: D -- an orthographic.

Question 52. Study the four open-line shapes (A: a "<" chevron, B: a wider zigzag shape, C: an already-closed hexagon outline, D: a ">" chevron). Which of the following shapes can be joined to form a Hexagon?

Best-effort judgment call -- the two open three-sided chevrons (A and D) combine edge-to-edge into a six-sided hexagon outline.

Answer: B -- A and D.

Question 53. Which of the following is a part of a work bench?

Answer: C -- Vice.

Question 54. Which of the following is a risk associated with the internet?

Answer: C -- Hacking.

Question 55. Study the table pairing internet-risk terms with descriptions (A: CRIME, B: CYBER CRIME - someone getting your banking details and stealing money, C: HACKING - someone getting information on social media to know when you'll be away so they can rob your home, D: SEXUAL ABUSE - someone getting security measures on a website/network). Which of the following internet risks is correctly paired with its function?

Answer: B -- CYBER CRIME -- someone getting your banking details and stealing money.

Question 56. After a document was typed, it was checked for possible mis-spelling and missing words. The document was being ...

Answer: B -- edited.

Question 57. To join two pieces of wood quickly to form a joint, Mwiya used ...

Answer: D -- nailing.

Question 58. Cash, stock and sales books are ... records.

Answer: C -- financial.

Question 59. Unwanted mail appeared in one of the learners email inbox in form of advertising. This is called ...

Answer: D -- spam.

Question 60. The mouse cursor changes its shape for different ...

Answer: C -- tasks.

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