

G7 ECZ CREATIVE & TECH. STUDIES 2024 SOLUTIONS

Grade 7 ECZ Primary School Leaving Examination -- Creative and Technology Studies, 2024

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.



EXAMINATIONS COUNCIL OF ZAMBIA

PRIMARY SCHOOL LEAVING EXAMINATION – 2024



Creative and Technology Studies

SUBJECT 8/1

75 MINUTES

TD/CTS1/PSLE/2024

- 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.

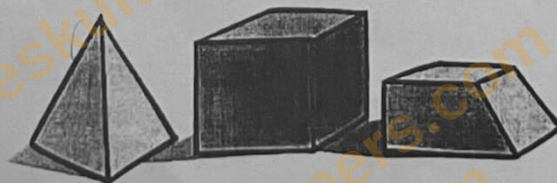
SECTION A: EXPRESSIVE ARTS

- 1 Which of the following has a correct set of traditional music instruments?
- A Guitar, microphone
 - B Malimba, Drum
 - C Rattle, keyboard
 - D Piano, strings
- 2 Why is it important to dress appropriately when working in a workshop? To ...
- A compete with others.
 - B look smart and neat.
 - C look young and work properly.
 - D prevent accidents and injuries.
- 3 A learner practised the eagle floating game as shown in the diagram below.



This helps her to be ...

- A balanced and accurate.
 - B energetic and powerful.
 - C fit and flexible.
 - D muscular and strong.
- 4 Mr Mumbuna wears goggles each time he is welding. This is because ...
- A he wants to finish the job quickly.
 - B he wants to protect his eyes from strong light.
 - C goggles help him to join pieces together.
 - D goggles help him to see very clearly.
- 5 In which dimension are the diagrams shown below?



- A** Two
B Three
C Four
D Five
- 6** Which tribe in Zambia practises Nyau dance?
A Chewa
B Kaonde
C Lozi
D Tonga
- 7** The following are ways of preventing the spread of Covid-19 **except** ...
A masking up.
B overcrowding.
C social distancing.
D washing hands.
- 8** Which of the following methods is suitable for making traditional items from wood and stones?
A Weaving
B Plaiting
C Knotting
D Carving
- 9** Accidents in a workroom can be avoided if tools are ...
A cleaned well.
B left on the floor.
C put on surfaces.
D stored properly.
- 10** What type of shading is shown in the diagram below?



- A** Cross etching
B Curved line
C Dot
D Smooth

- 11 Which method is used to make the diagram shown below?

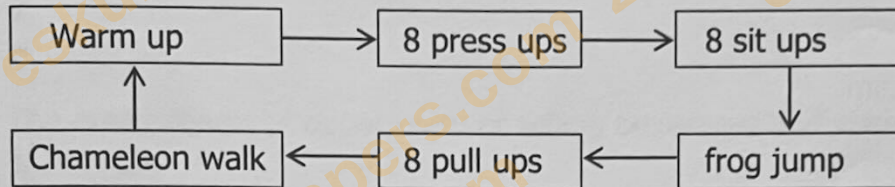


- A Tie and dying
B Plaiting and weaving
C Embroidery and crocheting
D Carving and knitting
- 12 Mr Mbewe sells table mats. Which of the following must he do to know whether the business is making a profit or loss?
- A Be good to all customers.
B Display mats attractively.
C Give extras to good customers.
D Record all sales for each day.
- 13 To produce good and strong mats, Luyando was advised to use ... method.
- A knotting
B modelling
C plaiting
D weaving
- 14 Which of the following activity would be used to finish up a carved artefact?
- A Wiring
B Sketching
C Sanding
D Painting
- 15 A ... uses strings to produce sound.
- A drum
B guitar
C keyboard
D piano

16 ... is an example of a field event.

- A** Soccer
- B** Relay
- C** High jump
- D** Basketball

17 Below is an activity learners did to develop body fitness. It is known as ... training.



- A** aerobic
- B** circuit
- C** stunt
- D** tumbling

18 Three learners were singing three musical notes at the same time. The resulting sound was ...

- A** harmony.
- B** melody.
- C** rhythm.
- D** soprano.

19 Dodging is a skill in football which ...

- A** allows a player to score.
- B** helps a player to pass the ball.
- C** keeps the ball away from the opponent.
- D** stops a shooter from scoring

20 Matilda mixed orange and green colours during a practical lesson. The colour she obtained is ...

- A** intermediate.
- B** primary.
- C** secondary.
- D** tertiary.

SECTION B: HOME ECONOMICS

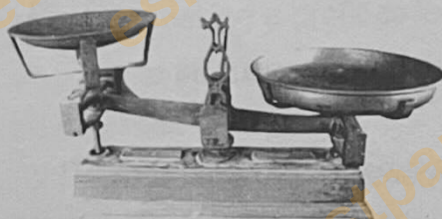
21 In a weekly cleaning of the bedroom, what step should come first?

- A** Empty the wardrobes
- B** Open the windows
- C** Sweep the ceiling
- D** Tidy up the room

22 Wheat, soya beans and cassava can be used to make ...

- A** flour.
- B** ice cream.
- C** juice.
- D** salads.

23 Identify the type of measuring scale in the diagram shown.



- A** Electronic
- B** Beam balance
- C** Diet
- D** Spring

24 The suitable foods for people living with HIV and AIDS include vegetables and ...

- A** cakes.
- B** fatty foods.
- C** fruits.
- D** spicy foods.

25 Identify the temporary stitch shown in the following diagram.



- A** Even tacking
- B** Long equal tacking
- C** Long and short tacking
- D** Tailors' tacking

26 ... is one way of promoting privacy and bodily integrity for both boys and girls.

- A** Avoiding trusting any one
- B** Having separate bedrooms
- C** Not depending on parents
- D** Spending much time alone

27 Identify a disease caused by lack of protein in the body.

- A** Beri Beri
- B** Kwashiorkor
- C** Marasmus
- D** Scurvy

28 The entrepreneurial opportunity of selling beverages and cakes is known as ...

- A** crafts.
- B** food and nutrition.
- C** home management.
- D** needle work.

29 Which of the following utensils is correctly paired with its function?

A		For draining food such as pasta
B		For separating chaff from grain
C		For cutting and preparation of food
D		For eating and serving food

30 Which list of items would be appropriate for measuring wet ingredients?

- A** Cup, Scale, Funnel
- B** Jug, Cup, Sieve
- C** Scale, Funnel, Spoon
- D** Spoon, Cup, Jug

31 What food nutrient gives the human body energy?

- A Carbohydrates
- B Minerals
- C Proteins
- D Vitamins

32 Select a material the first aider would use to clean a cut on a finger.

- A Powder
- B Plastic
- C Cotton wool
- D Bandage

33 Martha likes bathing regularly, taking care of her teeth and dresses properly before going to school. We can say she ...

- A does so to attract attention.
- B loves herself very much.
- C practices good grooming.
- D wants people to notice her.

34 Which food is correctly paired with its nutrient?

	FOOD	NUTRIENTS
A	Egg	Carbohydrates
B	Margarine	Minerals
C	Nshima	Proteins
D	Spinach	Vitamins

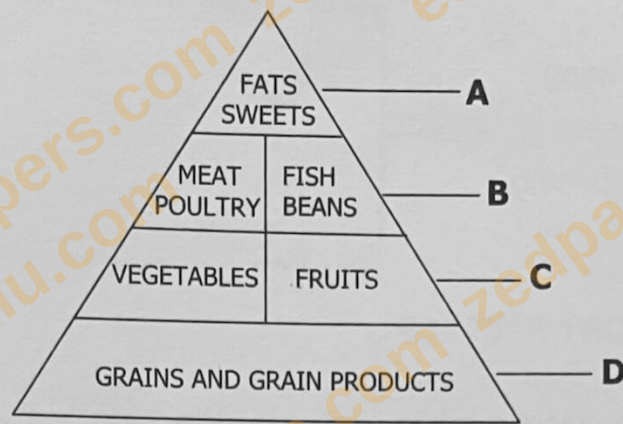
35 Which of the following is a correct method of cleaning a mud floor?

- A Sweep the floor and then mop it.
- B Sweep the floor and then apply polish.
- C Sprinkle water on the floor then sweep.
- D Use soft broom to sweep and then mop it.

36 The following are the reasons for storing tools correctly **except** for ...

- A safety and prevention of accidents.
- B working quickly since tools are well positioned.
- C keeping track of tools easily.
- D working fast since tools are scattered everywhere.

- 37 The importance of a food pyramid is to help people balance meals. Which food must be eaten less in the following diagram.



- 38 Identify the stitch shown in the diagram below.



- A Blanket
- B Chain
- C Hemming
- D Running

- 39 The method of arranging fullness in the diagram shown below is ...



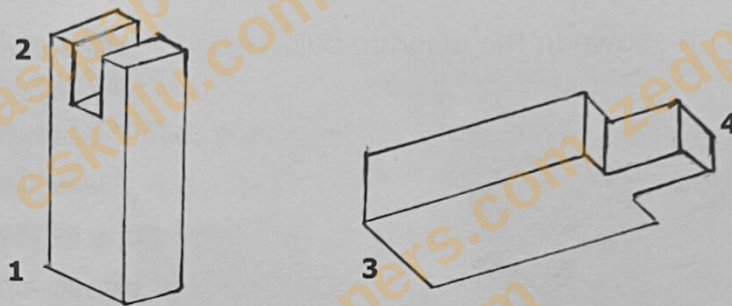
- A pleats.
- B gathers.
- C frills.
- D elastic.

40 Openings are for easy wearing of clothes. The strength of an opening depends on the following **except** the ...

- A kind of the opening.
- B length of the opening.
- C position of the opening.
- D stitching of the opening.

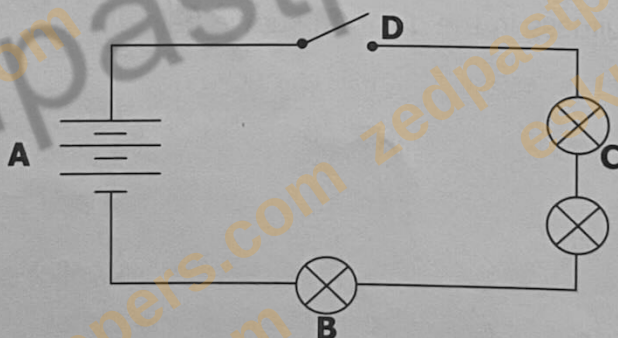
SECTION C: TECHNOLOGY STUDIES

41 The correct way to complete a bridle joint is by attaching part ...

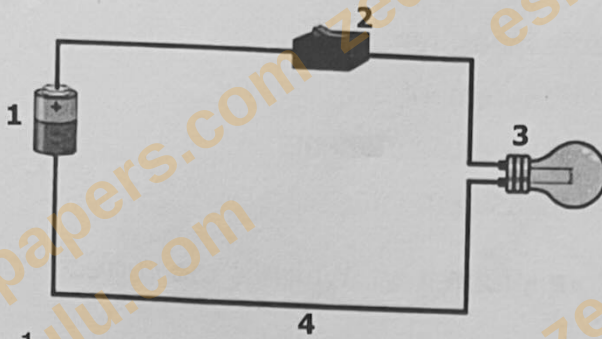


- A 2 and 4
- B 2 and 3
- C 1 and 3
- D 1 and 4

42 The following diagram shows an electronic circuit. Which of the labelled part is a switch?



- 43 In the simple circuit below, which part of the circuit is used to turn the bulb on and off? ..



- A 1
B 2
C 3
D 4
- 44 Peter sold an artefact at K3 500. The cost of making it was K1 850. The difference between K3 500.00 and K1, 850 is referred to as a ...
- A cost.
B loss.
C profit.
D sale.
- 45 The changing of the size of an image, colour and object on the computer is called ...
- A clicking.
B filling.
C manipulating.
D resizing.
- 46 James bought a table and varnished it. He did this because ...
- A he wanted to add value to it.
B it was a good thing to do.
C it was not properly made.
D the table was too small.
- 47 Which of the following is **not** an internet risk?
- A Browsing
B Cyber bullying
C Cyber crime
D Hacking

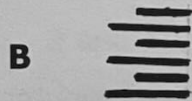
48 Which of the following describes an equilateral triangle? It has ...

- A** all the sides with the same measurements.
- B** each side with its own measurement.
- C** four sides and have the same measurements.
- D** two sides with the same measurements.

49 An ICT specialist wants to store information. Which is the correct storage device that he would use?

- A** Hard disk
- B** Keyboard
- C** Mouse
- D** Printer

50 When typing, Mary likes her work displayed in left alignment. Which one of the symbols represents the left alignment?



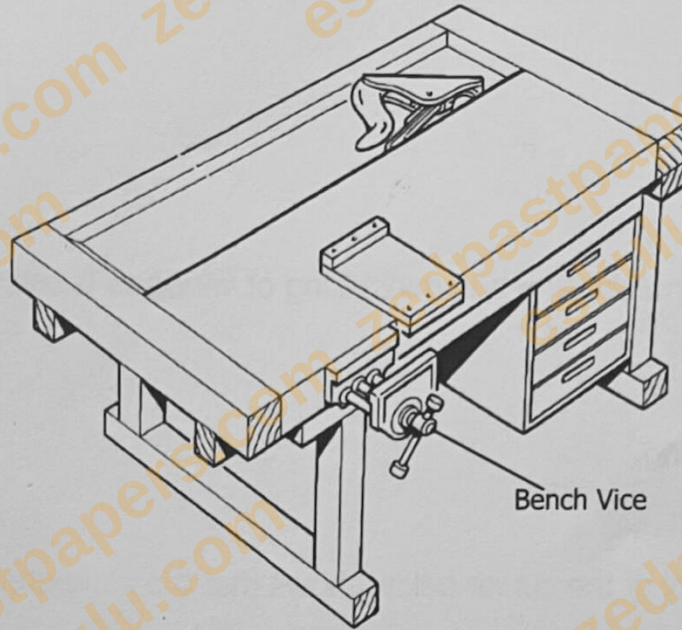
51 Brenda changed the appearance of the text on a computer so that it looked better. This is called ...

- A** pattern changing.
- B** pattern making.
- C** text formatting.
- D** text writing.

52 The following are different ways of text formats **except** ...

- A** bold.
- B** highlight.
- C** italic.
- D** underline.

53 The bench vice on the work bench below is used for ...



- A holding the bench stop in place.
- B holding the work piece in place.
- C making the bench strong.
- D storing tools.

54 A tool that can be used to make a baby shawl is a ...

- A crotchet hook.
- B knitting hook.
- C stick.
- D wire.

55 Mr Johns wants to construct a modern house. Which material can he use for roofing?

- A Tents
- B Strong reeds
- C Iron sheets
- D Grass

56 Which statement is **not** the purpose of manipulating graphic image on a computer?

- A Improve the image quality.
- B Make the image large.
- C Make the image small.
- D Save the image.

57 Which of the symbols can one use to find the cube root of a number?

A x^3

B x^2

C /

D *

58 In computer maximising and minimising of windows is called ...

A locating.

B navigation.

C packaging.

D resizing.

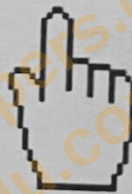
59 Which symbol of the cursor below shows that the computer is ready to start typing?



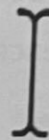
A



B



C



D

60 Jane drew a three dimensional portrait for her class teacher. Which of these diagrams below is in three dimensions?

A



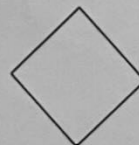
B



C



D



STOP! PLEASE GO BACK AND CHECK YOUR WORK.

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Question 1. [SECTION A: EXPRESSIVE ARTS] Which of the following has a correct set of traditional music instruments?

Answer: B -- Malimba, Drum.

Question 2. Why is it important to dress appropriately when working in a workshop? To ...

Answer: D -- prevent accidents and injuries.

Question 3. Study the picture of a learner balancing while walking along a raised plank (the eagle floating game). This helps her to be ...

Answer: A -- balanced and accurate.

Question 4. Mr Mumbuna wears goggles each time he is welding. This is because ...

Answer: B -- he wants to protect his eyes from strong light.

Question 5. Study the picture of a pyramid, a cube and a trapezoid-shaped solid. In which dimension are the diagrams shown below?

Answer: B -- Three.

Question 6. Which tribe in Zambia practises Nyau dance?

Answer: A -- Chewa.

Question 7. The following are ways of preventing the spread of Covid-19 except ...

Answer: B -- overcrowding.

Question 8. Which of the following methods is suitable for making traditional items from wood and stones?

Answer: D -- Carving.

Question 9. Accidents in a workroom can be avoided if tools are ...

Answer: D -- stored properly.

Question 10. Study the picture of a shaded sphere with a soft highlight and gradual tone. What type of shading is shown in the diagram below?

Best-effort judgment call -- the gradual, blended tone across the sphere's surface is most consistent with smooth shading.

Answer: D -- Smooth.

Question 11. Study the picture of a woven basket with a handle. Which method is used to make the diagram shown below?

Answer: B -- Plaiting and weaving.

Question 12. Mr Mbewe sells table mats. Which of the following must he do to know whether the business is making a profit or loss?

Answer: D -- Record all sales for each day.

Question 13. To produce good and strong mats, Luyando was advised to use ... method.

Answer: C -- plaiting.

Question 14. Which of the following activity would be used to finish up a carved artefact?

Answer: C -- Sanding.

Question 15. A ... uses strings to produce sound.

Answer: B -- guitar.

Question 16. ... is an example of a field event.

Answer: C -- High jump.

Question 17. Study the loop diagram of Warm up, 8 press ups, 8 sit ups, frog jump, 8 pull ups and Chameleon walk. Below is an activity learners did to develop body fitness. It is known as ... training.

Answer: B -- circuit.

Question 18. Three learners were singing three musical notes at the same time. The resulting sound was ...

Answer: A -- harmony.

Question 19. Dodging is a skill in football which ...

Answer: C -- keeps the ball away from the opponent.

Question 20. Matilda mixed orange and green colours during a practical lesson. The colour she obtained is ...

Answer: D -- tertiary (mixing two secondary colours, orange and green, produces a tertiary colour).

Question 21. [SECTION B: HOME ECONOMICS] In a weekly cleaning of the bedroom, what step should come first?

Answer: B -- Open the windows.

Question 22. Wheat, soya beans and cassava can be used to make ...

Answer: A -- flour.

Question 23. Study the picture of a two-pan scale with a central beam. Identify the type of measuring scale in the diagram shown.

Answer: B -- Beam balance.

Question 24. The suitable foods for people living with HIV and AIDS include vegetables and ...

Answer: C -- fruits.

Question 25. Study the diagram of a line with alternating short and long stitch marks. Identify the temporary stitch shown in the following diagram.

Best-effort judgment call -- the alternating short and long marks match the long-and-short tacking pattern.

Answer: C -- Long and short tacking.

Question 26. ... is one way of promoting privacy and bodily integrity for both boys and girls.

Answer: B -- Having separate bedrooms.

Question 27. Identify a disease caused by lack of protein in the body.

Answer: B -- Kwashiorkor.

Question 28. The entrepreneurial opportunity of selling beverages and cakes is known as ...

Answer: B -- food and nutrition.

Question 29. Study the table pairing utensil pictures with functions (A: measuring jug - For draining food such as pasta, B: knife - For separating chaff from grain, C: pot - For cutting and preparation of food, D: spoon - For eating and serving food). Which of the following utensils is correctly paired with its function?

Answer: D -- spoon -- For eating and serving food.

Question 30. Which list of items would be appropriate for measuring wet ingredients?

Best-effort judgment call among the given equipment sets.

Answer: D -- Spoon, Cup, Jug.

Question 31. What food nutrient gives the human body energy?

Answer: A -- Carbohydrates.

Question 32. Select a material the first aider would use to clean a cut on a finger.

Answer: C -- Cotton wool.

Question 33. Martha likes bathing regularly, taking care of her teeth and dresses properly before going to school. We can say she ...

Answer: C -- practices good grooming.

Question 34. Study the table pairing food with nutrients (A: Egg - Carbohydrates, B: Margarine - Minerals, C: Nshima - Proteins, D: Spinach - Vitamins). Which food is correctly paired with its nutrient?

Answer: D -- Spinach -- Vitamins.

Question 35. Which of the following is a correct method of cleaning a mud floor?

Answer: C -- Sprinkle water on the floor then sweep.

Question 36. The following are the reasons for storing tools correctly except for ...

Answer: D -- working fast since tools are scattered everywhere.

Question 37. Study the food pyramid diagram (top: Fats/Sweets - A, next: Meat/Poultry and Fish/Beans - B, next: Vegetables and Fruits - C, base: Grains and grain products - D). The importance of a food pyramid is to help people balance meals. Which food must be eaten less in the following diagram?

Answer: A -- Fats/Sweets (the top of the pyramid).

Question 38. Study the picture of fabric with a line of small evenly-spaced stitches. Identify the stitch shown in the diagram below.

Best-effort judgment call -- the small even in-and-out stitches match a running stitch.

Answer: D -- Running.

Question 39. Study the picture of a pleated skirt with vertical folds. The method of arranging fullness in the diagram shown below is ...

Answer: A -- pleats.

Question 40. Openings are for easy wearing of clothes. The strength of an opening depends on the following except the ...

Answer: B -- length of the opening.

Question 41. [SECTION C: TECHNOLOGY STUDIES] Study the two diagrams of a bridle joint (piece 1/2 with a notched slot, piece 3/4 with a projecting tenon). The correct way to complete a bridle joint is by attaching part ...

Best-effort judgment call -- the mating faces of the notch and the tenon are the top edges labelled 2 and 3.

Answer: B -- 2 and 3.

Question 42. Study the circuit diagram with parts labelled A (battery), B and C (bulbs) and D (an open switch symbol at the top). The following diagram shows an electronic circuit. Which of the labelled part is a switch?

Answer: D.

Question 43. Study the circuit diagram with parts labelled 1 (battery), 2 (a switch), 3 (wire to bulb) and 4 (bottom wire). In the simple circuit below, which part of the circuit is used to turn the bulb on and off?

Answer: B -- 2.

Question 44. Peter sold an artefact at K3 500. The cost of making it was K1 850. The difference between K3 500.00 and K1, 850 is referred to as a ...

Answer: C -- profit.

Question 45. The changing of the size of an image, colour and object on the computer is called ...

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Answer: A -- all the sides with the same measurements.

Question 49. An ICT specialist wants to store information. Which is the correct storage device that he would use?

Answer: A -- Hard disk.

Question 50. Study the four text blocks (A-D) each showing lines of varying length aligned differently. When typing, Mary likes her work displayed in left alignment. Which one of the symbols represents the left alignment?

Best-effort judgment call -- without a fully legible scan of each block's exact margin alignment, the intended option matching flush-left, ragged-right lines cannot be pinned down with full certainty.

Answer: A -- the block with lines flush on the left edge and a ragged right edge.

Question 51. Brenda changed the appearance of the text on a computer so that it looked better. This is called ...

Answer: C -- text formatting.

Question 52. The following are different ways of text formats except ...

Answer: B -- highlight.

Question 53. Study the picture of a work bench with a bench vice mounted on its edge. The bench vice on the work bench below is used for ...

Answer: B -- holding the work piece in place.

Question 54. A tool that can be used to make a baby shawl is a ...

Answer: A -- crochet hook.

Question 55. Mr Johns wants to construct a modern house. Which material can he use for roofing?

Answer: C -- Iron sheets.

Question 56. Which statement is not the purpose of manipulating graphic image on a computer?

Answer: D -- Save the image.

Question 57. Which of the symbols can one use to find the cube root of a number?

Best-effort judgment call -- none of the options is the standard cube-root radical, but x-cubed is the closest curriculum-level match to the "cube" concept among the given choices.

Answer: A -- x cubed.

Question 58. In computer maximising and minimising of windows is called ...

Answer: D -- resizing.

Question 59. Study the four cursor icons (A: pointer arrow, B: hourglass, C: pointing hand, D: I-beam text cursor). Which symbol of the cursor below shows that the computer is ready to start typing?

Answer: D -- the I-beam text cursor.

Question 60. Jane drew a three dimensional portrait for her class teacher. Study the four shapes (A: rectangle, B: triangle, C: cube, D: rhombus/diamond). Which of these diagrams below is in three dimensions?

Answer: C -- the cube.

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