

G7 ECZ CREATIVE & TECH. STUDIES 2016 SOLUTIONS

Grade 7 ECZ Composite Examination -- Creative and Technology Studies, 2016

multiple-choice questions -- A: Expressive Arts (1-20), B: Home Economics (21-40), C: Technology Studies (41-60), 75 minutes
answers first -- worked answers follow. A few items are flagged as best-effort judgment calls where a diagram, traditional-dance name or specific



EXAMINATIONS COUNCIL OF ZAMBIA

GRADE SEVEN COMPOSITE EXAMINATION – 2016

Creative and Technology Studies

SUBJECT 8/1

75 MINUTES

TD/CTS1/G7/2016

- 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.

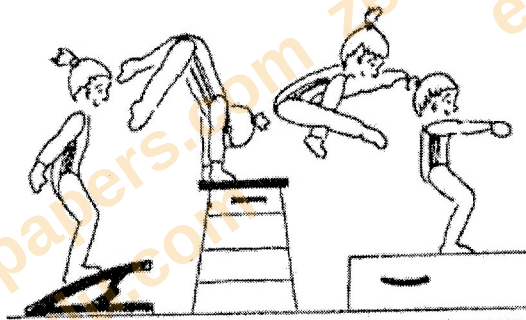
You will **NOT** be able to ask questions once the examination has begun.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD.

USE ONLY AN HB PENCIL FOR YOUR ANSWERS.

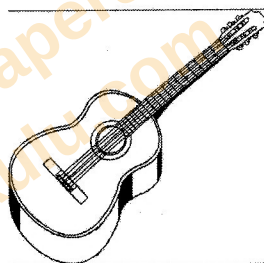
SECTION A: EXPRESSIVE ARTS

- 1 Which of the following is not an aerobic activity?
 - A Sprinting
 - B Swimming
 - C Jogging
 - D Cycling
- 2 Which of the following dances is performed by women only?
 - A Citelele
 - B Fwandafwanda
 - C Kayowe
 - D Shombe
- 3 To avoid accidents in a playground, learners must ...
 - A be punctual.
 - B get excited.
 - C obey instructions.
 - D push opponents.
- 4 Wearing proper clothing for swimming activities is necessary to ...
 - A be admired by others.
 - B identify the swimmer.
 - C make free movements.
 - D win a race.
- 5 Which of the following is acceptable in a basketball game?
 - A Holding on to another player
 - B Kicking the ball
 - C Pushing an opponent
 - D Passing the ball with both hands
- 6 Learners were asked to jump over the vaulting box shown below.
The sport activity they were performing is known as ...

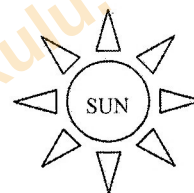
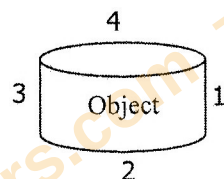


- A acrobatics.
- B aerobic.
- C gymnastic.
- D wrestling.

- 7 Reed mats are made by ...
- A weaving.
 - B sewing.
 - C plaiting.
 - D carving.
- 8 Drawing things from the mind is called ... drawing.
- A imaginative.
 - B nature.
 - C perspective.
 - D still life.
- 9 The music instrument below is ...



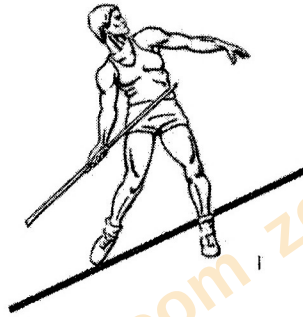
- A a western musical instrument for western music only.
 - B a western musical instrument also used with African music.
 - C an African musical instrument used for African music only.
 - D an African musical instrument also used with western music.
- 10 Which of the following dances are performed at initiation ceremonies?
- A Ching'ande and kalela
 - B Imbeni and Kalyaba
 - C Kalela and fwemba
 - D Siyemboka and Nkolola
- 11 Look at the diagram below.



Which point should the shadow of the object be shown?

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

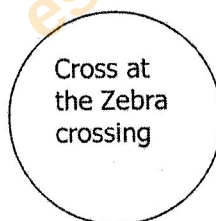
- 12** Mulenga threw a javelin during the inter school sports competition as shown below. His throw was not accepted by the judge. This was because ...



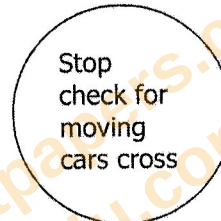
- A** he was over aged.
B he stepped beyond the throw mark line.
C his throw went beyond the finishing line.
D his throw did not go very far.
- 13** Most Zambian songs are call and response songs. This means they are sung by...
- A** choir members singing and clapping at the same time.
B elders in a community singing and dancing.
C one person starting a song and others completing a line.
D people singing the same line repetitively.
- 14** Which poster is good for a road safety message?



1



2



3

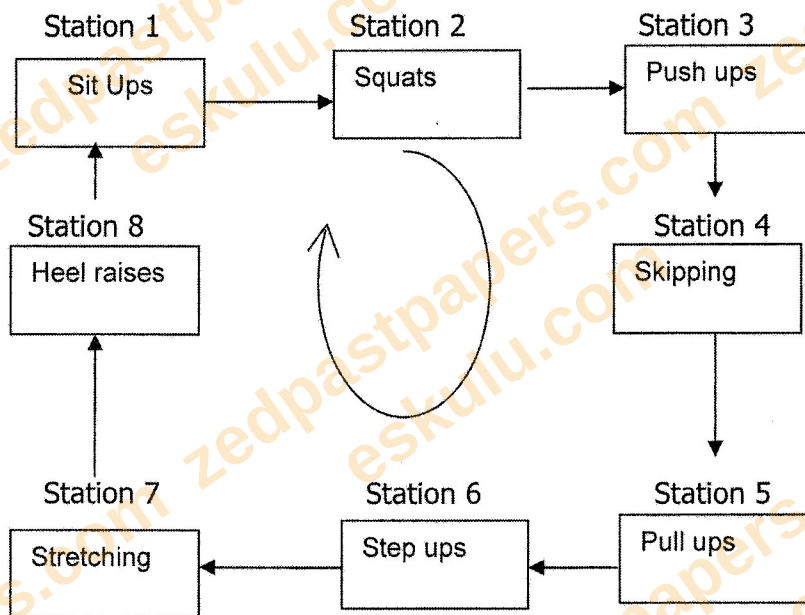


4

- A** 1
B 2
C 3
D 4

- 15** The teacher told pupils to prepare a variety of dances and songs to be performed during agriculture show celebration. Which one of the following songs was appropriate for the occasion? A song about ...
- A** corruption.
B diarrhoea.
C malaria.
D poultry.

- 16 Tourists like buying carved items which are ...
 A carved anyhow.
 B unique in nature.
 C very common.
 D well vanished.
- 17 Which of the following places **cannot** have art works sold quickly?
 A Backyard space
 B Curio shop
 C Exhibition centre
 D Gallery room
- 18 A pupil was told to do the activity shown below.



This is an example of ...

- A Circuit training.
 B Fartlek training.
 C Isometric exercise.
 D Isotonic exercises.
- 19 Which of the following is **not** a benefit of swimming activities?
 A It gives lots of fun
 B It is good for health
 C It helps to develop muscles
 D It is a good skill for catching fish

- 20 Mrs Kabale always prepares a list of items and their prices she wants to order from wholesalers. This helps her to know the ...
- A expenditure only.
 - B income and expenditure.
 - C loss and expenditure.
 - D profits only.

SECTION B: HOME ECONOMICS

- 21 Suitable crops for a kitchen garden include:
- A Bondwe, cabbage, eggplant, rape.
 - B Cabbage, lemons, onion, oranges.
 - C Pumpkin leaves, maize, groundnuts.
 - D Sweet potatoes, mango, cowpeas.
- 22 Over polished floors and banana peels on the floor are common ...
- A causes of accidents in the home.
 - B signs of cleanliness in the home.
 - C ways of identifying the kitchen.
 - D ways of showing that there is food in the kitchen.
- 23 What should be done to get good ventilation?
- A Avoid overcrowding in one room.
 - B Close all the windows during the day time.
 - C Keep braziers of fire in the house all day.
 - D Sleep with flowers in the same room
- 24 The reason to leave openings in clothes is to ...
- A allow easy wearing.
 - B look decorative.
 - C make clothes strong.
 - D none of them.
- 25 Happiness, fear, anger, surprise are ways of ... expressions.
- A body
 - B facial
 - C friendly
 - D personal
- 26 Kwashiorkor is caused by lack of ... in the body.
- A carbohydrates
 - B minerals
 - C proteins
 - D vitamins

- 27** ...% of water makes up the body weight.
- A** 200
 - B** 105
 - C** 85
 - D** 65
- 28** Give **two** reasons why the armpits should be washed properly ...
- A** avoid bad smell and stains that discolour clothes.
 - B** avoid sweat a lot and keep dry.
 - C** smell good always in clean clothes.
 - D** to be happy and look attractive.
- 29** What does human development refer to ?
- A** Confidence of a person
 - B** Complexion of a person
 - C** Growth of a person
 - D** Uniqueness of a person
- 30** How many rounded/heaped table spoons of flour make 100 grams?
- A** 1
 - B** 2
 - C** 3
 - D** 4
- 31** List the equipment found in a traditional kitchen.
- A** Brazier, sinks, cupboards.
 - B** Modern stove, table, utensils.
 - C** small cupboards, fire place, stool.
 - D** winnowing basket, sinks, brazier.
- 32** Which of the following defines safety in a home?
- A** Have a first aid kit in the home.
 - B** Keep sharp items where they are easily seen.
 - C** Put medicines on top of cupboards.
 - D** Take medicines whenever you feel sick.
- 33** Where scales are not available, give one example of handy measures that can be used instead.
- A** Chef cup
 - B** Measuring cup
 - C** Water jar
 - D** Wooden spoon

34 The terms level, rounded and heaped are often used in ... measures.

- A** cup
- B** handy
- C** scale
- D** spoon

35 ... are known to keep off bad smells in the pin-latrine.

- A** Ashes
- B** Bleaches
- C** Disinfectants
- D** Soaps

36 Explain why ingredients are weighed. To ...

- A** avoid unnecessary wastage of ingredients.
- B** discover the exact amount of something.
- C** find good results when cooking.
- D** find out how heavy something is.

37 The important reason for weighing and measuring ingredients is to ...

- A** avoid mistakes in measuring.
- B** balance the quantities.
- C** get good results.
- D** make sure all ingredients are available.

38 Give a reason why a measuring stone is put on a balance scale.

- A** For ingredients to rest on a panel.
- B** For the scale to work properly.
- C** To give an accurate weight.
- D** To know the weight of a stone and ingredients.

39 Describe the last two procedures for making a toy.

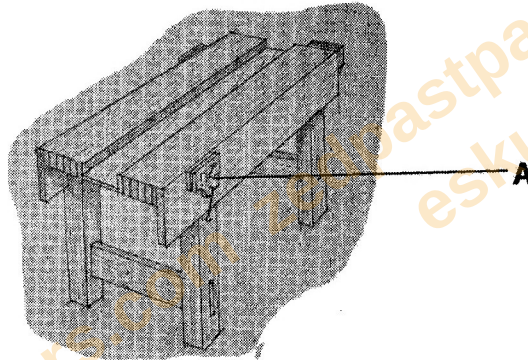
- A** Close openings, fold the fabric.
- B** Fold the fabric, cut openings.
- C** Put stuffings, close opening.
- D** Put stuffings, fold the fabric.

40 Keeping of records in business will help one to know ...

- A** losses only in his or her business.
- B** profits only that he or she is making.
- C** where to get goods for business.
- D** whether there is progress or not in the business.

SECTION C: TECHNOLOGY STUDIES

41 Part **A** shown on the diagram below is the ...



- A** bench stop.
B bench vice.
C sawing board.
D well.
- 42** Which of the following is **not** a text format?
A Bold
B Italic
C Normal
D Round
- 43** Why do people prefer phone calls to letter writing? Phone calls are ...
A cheaper.
B faster.
C more expensive.
D slower.
- 44** What do we call drawings done by a builder before building a house?
A Elevations
B Orthographic
C Plan
D Projections
- 45** Mwate was typing a letter of application for a job on her laptop. Her address was supposed to be aligned ... of the paper.
A at the bottom left
B at the centre
C on the topleft
D on the topright

46 An example of a source of light in rural areas is ...

- A brazier.
- B electricity.
- C paraffin lamp.
- D generator.

47 What is cursor status? It is ...

- A the colour of the cursor when typing.
- B the shape and position of the cursor when typing.
- C when the cursor is not used during typing.
- D when the cursor is lost.

48 One of the pupils in grade 5 A was asked by his teacher to add words to the sign shown below. The words she added were ...



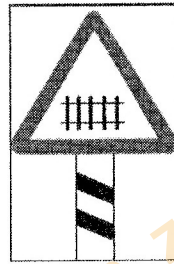
- A do not cross the road.
- B pedestrians do not cross.
- C pedestrian crossing.
- D people working ahead.

49 Chanda designed the poster below. What type of lettering did he use?

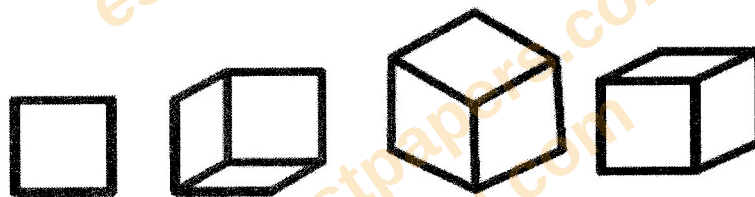


- A Alphabet
- B Handwriting
- C Lower case
- D Upper case

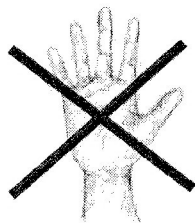
- 50 The sign below was found on the side of the road. Which of the following words can be added to it to make it more meaningful?



- A There is a railway ahead.
 B There is no railway ahead.
 C The road has got lines on it.
 D The railway is beautiful.
- 51 Mwanga drew the following objects. Which one of them represents an isometric drawing?



- 52 A pupil drew the symbol shown below and stuck it on her bag. It means ... this bag.

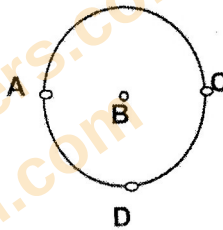


- A do not touch
 B feel free to touch
 C tear
 D you can borrow
- 53 After being typed, a document was being checked for possible misspellings and missing words. The document was being ...
- A discarded.
 B edited.
 C formatted.
 D misplaced.

54 To prevent hand tools from breaking in the workshop, Chawa put them in ...

- A** boxes.
- B** sacks.
- C** the bench well.
- D** the tool box.

55 To construct a radius of a circle below, the following points should be joined together by a straight line.



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

56 To turn current on and off a ... is used.

- A** plug
- B** rubber
- C** stick
- D** switch

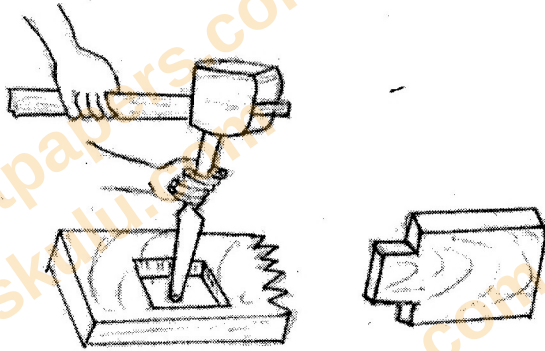
57 Someone who discloses his/her ATM number or pin may...

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

58 Which of the following tools is correctly paired with its use?

- A** Chisel-smoothing
- B** Hammer-holding
- C** saw-cutting
- D** Measuring tape-driving

- 59 The diagram below shows a teacher of woodwork demonstrating how to make a ... joint.



- A slot and pinion
 - B plug and play
 - C dovetail and hole
 - D mortice and tenon
- 60 The letter P can be constructed under ... square boxes.
- A 3×5
 - B 5×5
 - C 5×6
 - D 5×4

STOP! PLEASE GO BACK AND CHECK YOUR WORK.

Question 1. [SECTION A: EXPRESSIVE ARTS] Which of the following is not an aerobic activity?

Answer: A -- Sprinting (a short, explosive anaerobic burst, unlike swimming, jogging and cycling which are sustained aerobic activities).

Question 2. Which of the following dances is performed by women only?

Best-effort judgment call among the four traditional dance names given.

Answer: B -- Fwandafwanda (a traditional dance performed by women).

Question 3. To avoid accidents in a playground, learners must ...

Answer: C -- obey instructions.

Question 4. Wearing proper clothing for swimming activities is necessary to ...

Answer: C -- make free movements.

Question 5. Which of the following is acceptable in a basketball game?

Answer: D -- Passing the ball with both hands.

Question 6. Study the picture of learners jumping over a vaulting box. The sport activity they were performing is known as ...

Answer: C -- gymnastic(s).

Question 7. Reed mats are made by ...

Answer: C -- plaiting.

Question 8. Drawing things from the mind is called ... drawing.

Answer: A -- imaginative.

Question 9. Study the picture of a guitar. The music instrument below is ...

Answer: B -- a western musical instrument also used with African music.

Question 10. Which of the following dances are performed at initiation ceremonies?

Best-effort judgment call among the four dance-pair options given.

Answer: D -- Siyemboka and Nkolola.

Question 11. Study the diagram of an object (numbered points 1-right, 2-bottom, 3-left, 4-top) beside a sun symbol positioned toward point 1. Which point should the shadow of the object be shown?

Best-effort judgment call -- a shadow falls on the side opposite the sun, so with the sun toward point 1 (right), the shadow falls at the opposite point.

Answer: C -- 3.

Question 12. Study the picture of Mulenga throwing a javelin from behind a mark line. Mulenga threw a javelin during the inter school sports competition as shown below. His throw was not accepted by the judge. This was because ...

Answer: B -- he stepped beyond the throw mark line.

Question 13. Most Zambian songs are call and response songs. This means they are sung by ...

Answer: C -- one person starting a song and others completing a line.

Question 14. Study the four road-safety poster circles (1: Cross while running, 2: Cross at the Zebra crossing, 3: Stop check for moving cars cross, 4: Stop hold hands and cross). Which poster is good for a road safety message?

Answer: B -- 2.

Question 15. The teacher told pupils to prepare a variety of dances and songs to be performed during agriculture show celebration. Which one of the following songs was appropriate for the occasion? A song about ...

Answer: D -- poultry.

Question 16. Tourists like buying carved items which are ...

Answer: B -- unique in nature.

Question 17. Which of the following places cannot have art works sold quickly?

Answer: A -- Backyard space.

Question 18. Study the circuit diagram of 8 exercise stations (Sit Ups, Squats, Push ups, Skipping, Pull ups, Step ups, Stretching, Heel raises) arranged in a loop. A pupil was told to do the activity shown below. This is an example of ...

Answer: A -- Circuit training.

Question 19. Which of the following is not a benefit of swimming activities?

Answer: D -- It is a good skill for catching fish.

Question 20. Mrs Kabale always prepares a list of items and their prices she wants to order from wholesalers. This helps her to know the ...

Answer: A -- expenditure only.

Question 21. [SECTION B: HOME ECONOMICS] Suitable crops for a kitchen garden include:

Answer: A -- Bondwe, cabbage, eggplant, rape.

Question 22. Over polished floors and banana peels on the floor are common ...

Answer: A -- causes of accidents in the home.

Question 23. What should be done to get good ventilation?

Answer: A -- Avoid overcrowding in one room.

Question 24. The reason to leave openings in clothes is to ...

Answer: A -- allow easy wearing.

Question 25. Happiness, fear, anger, surprise are ways of ... expressions.

Answer: B -- facial.

Question 26. Kwashiorkor is caused by lack of ... in the body.

Answer: C -- proteins.

Question 27. ...% of water makes up the body weight.

Answer: D -- 65.

Question 28. Give two reasons why the armpits should be washed properly ...

Answer: A -- avoid bad smell and stains that discolour clothes.

Question 29. What does human development refer to?

Answer: C -- Growth of a person.

Question 30. How many rounded/heaped table spoons of flour make 100 grams?

Best-effort judgment call -- this is a specific handy-measures conversion figure.

Answer: C -- 3.

Question 31. List the equipment found in a traditional kitchen.

Answer: C -- small cupboards, fire place, stool.

Question 32. Which of the following defines safety in a home?

Answer: A -- Have a first aid kit in the home.

Question 33. Where scales are not available, give one example of handy measures that can be used instead.

Best-effort judgment call among the given options.

Answer: A -- Chef cup.

Question 34. The terms level, rounded and heaped are often used in ... measures.

Answer: D -- spoon.

Question 35. ... are known to keep off bad smells in the pin(pit)-latrine.

Answer: A -- Ashes.

Question 36. Explain why ingredients are weighed. To ...

Answer: B -- discover the exact amount of something.

Question 37. The important reason for weighing and measuring ingredients is to ...

Answer: C -- get good results.

Question 38. Give a reason why a measuring stone is put on a balance scale.

Answer: C -- To give an accurate weight.

Question 39. Describe the last two procedures for making a toy.

Answer: C -- Put stuffings, close opening.

Question 40. Keeping of records in business will help one to know ...

Answer: D -- whether there is progress or not in the business.

Question 41. [SECTION C: TECHNOLOGY STUDIES] Study the diagram of a carpenter's workbench with a small labelled part A set into the benchtop surface. Part A shown on the diagram below is the ...

Best-effort judgment call -- the labelled part is a small fixed peg set into the benchtop surface (used to brace work while planing), matching a bench stop rather than the larger clamping bench vice.

Answer: A -- bench stop.

Question 42. Which of the following is not a text format?

Answer: D -- Round.

Question 43. Why do people prefer phone calls to letter writing? Phone calls are ...

Answer: B -- faster.

Question 44. What do we call drawings done by a builder before building a house?

Answer: C -- Plan.

Question 45. Mwate was typing a letter of application for a job on her laptop. Her address was supposed to be aligned ... of the paper.

Answer: D -- on the topright.

Question 46. An example of a source of light in rural areas is ...

Answer: C -- paraffin lamp.

Question 47. What is cursor status? It is ...

Answer: B -- the shape and position of the cursor when typing.

Question 48. Study the picture of a road sign (triangle showing two children crossing) on a post. One of the pupils in grade 5 A was asked by his teacher to add words to the sign shown below. The words she added were ...

Answer: C -- pedestrian crossing.

Question 49. Study the poster reading "MAKE SAFE LOVE AIDS KILLS" written in boxed capital letters. Chanda designed the poster below. What type of lettering did he use?

Answer: D -- Upper case.

Question 50. Study the road sign (triangle with a level-crossing/railway symbol) found on the side of the road. The sign below was found on the side of the road. Which of the following words can be added to it to make it more meaningful?

Answer: A -- There is a railway ahead.

Question 51. Study the four shapes Mwanga drew (a flat square, a small two-face sketch, a cube shown with a diamond top and two equal side faces, and a two-face rectangular box). Mwanga drew the following objects. Which one of them represents an isometric drawing?

Answer: C -- the cube shown with a diamond-shaped top face and two equal angled side faces (the standard isometric-view cube).

Question 52. Study the symbol of a crossed-out hand. A pupil drew the symbol shown below and stuck it on her bag. It means ... this bag.

Answer: A -- do not touch.

Question 53. After being typed, a document was being checked for possible miss(-)spellings and missing words. The document was being ...

Answer: B -- edited.

Question 54. To prevent hand tools from breaking in the workshop, Chawa put them in ...

Answer: D -- the tool box.

Question 55. Study the diagram of a circle with centre B and points A, C on the circumference in line with B, and point D at the bottom of the circle. To construct a radius of a circle below, the following points should be joined together by a straight line.

Answer: A -- A and B.

Question 56. To turn current on and off a ... is used.

Answer: D -- switch.

Question 57. Someone who discloses his/her ATM number or pin may ...

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

Question 58. Which of the following tools is correctly paired with its use?

Answer: C -- saw-cutting.

Question 59. Study the diagram of a woodwork teacher chiselling a slot in one piece of wood to match a projecting peg cut into another piece. The diagram below shows a teacher of woodwork demonstrating how to make a ... joint.

Answer: D -- mortice and tenon.

Question 60. The letter P can be constructed under ... square boxes.

Best-effort judgment call -- this is a specific block-lettering grid-size convention.

Answer: B -- 5 x 5.

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