



# Myfuture CBC Revision

## Pre-technical - Grade 7

### Question Paper

1. The law of \_\_\_\_\_ of energy states that energy cannot be created or destroyed, only transformed or changed.

- A. conservation
- B. battery storage
- C. renewal
- D. refreshing

2. What is a French curve set used for?

- A. Measuring angles
- B. Drawing straight lines
- C. Calculating area
- D. Drawing smooth curves

3. \_\_\_\_\_ is an energy resource that WILL run out in the next several hundred years.

- A. Nonrenewable Energy Resource
- B. Fossil Fuels
- C. Forever Fuels
- D. Renewable Energy Resource

4. Identify careers one cannot study in First Aid and management of injuries.

- A. Electricians and Firefighters.
- B. Coaches and fitness trainers
- C. teacher and shopkeeper
- D. Childcare Providers and Construction Workers

5. What material is commonly used for making bathroom fixtures like sinks and bathtubs?

- A. Metal
- B. Plastic
- C. Wood
- D. Ceramic

6. Which metal is commonly used in electrical and electronic contacts due to its conductivity?

- A. Gold
- B. Aluminum
- C. Copper
- D. Silver

7. Internal factors that cause injuries are ?

- A. Poor warm up and cool down
- B. Equipment
- C. Actions of the competition
- D. Condition of the playing area

8. Which metal is commonly used in food packaging due to its non-reactivity?

- A. Tin
- B. Gold
- C. Iron
- D. Copper

9. Which metal is a primary component of stainless steel?

- A. Zinc
- B. Iron
- C. Aluminum
- D. Copper

10. What property of copper makes it suitable for electrical wiring?

- A. High Conductivity
- B. High density
- C. Low density
- D. Low Conductivity

11. Which material is commonly used for making jewelry like necklaces and earrings?

- A. Wood
- B. Metal
- C. Glass
- D. Plastic

12. Which metal is commonly used in plumbing pipes?

- A. Aluminum
- B. Lead
- C. Iron
- D. Gold

13. What can freehand sketching help improve in an artist?

- A. Patience and perseverance
- B. The ability to copy existing images accurately
- C. Avoiding experimentation with new techniques
- D. Using stencils for precise drawing

14. What is a spirograph used for?

- A. Creating intricate patterns
- B. Drawing straight lines
- C. Measuring angles
- D. Drawing circles

15. Which of the following is an example of a renewable source of energy that can be used to generate electricity?

- A. Sunlight
- B. Petroleum
- C. Coal
- D. Natural Gas

16. Which of the following is an example of a natural economic resource used in production in Kenya?

- A. The owner who manages a small factory
- B. A sewing machine owned by a tailor
- C. Fertile land for growing tea
- D. Money saved in a bank

17. What should you do if you notice a fire hazard in the workshop?

- A. Report it to a teacher or supervisor
- B. Ignore it
- C. Try to put out the fire yourself
- D. Ask a friend for help

18. common name of Aluminum ore is-----

- A. Magnetite
- B. Siderite
- C. Haematite
- D. Corundum

19. In which type of projection are objects drawn in true size as seen from one side only?

- A. Oblique Projection
- B. Perspective Projection
- C. Isometric Projection
- D. Orthographic Projection

20. What should you do if you see a spill on the floor in the workplace?

- A. Take a picture and post it on social media
- B. Ignore it and walk around it
- C. Inform your supervisor or janitor immediately
- D. Leave it for someone else to clean up

21. Which is classified as an alternative energy resource?

- A. Geothermal heat
- B. Natural gas
- C. Crude oil
- D. Mined coal

22. State the use of hammer tools in daily activities.

- A. enlarge circular holes in solid material
- B. nail pulling
- C. temporarily hold work securely in place
- D. cutting through materials such as plastic, steel, and other metals

23. Which metal is commonly used in electrical wiring and power generation?

- A. Aluminum
- B. Iron
- C. Copper
- D. Gold

24. What should you do if you accidentally break something in the work environment?

- A. Try to hide the broken item
- B. Leave the broken item where it is
- C. Clean up the broken item and dispose of it properly
- D. Ignore the broken item and walk away

25. Why is it important to study pre-technical subjects?

- A. To become a professional athlete
- B. To learn how to cook
- C. To gain a strong foundation in technical fields
- D. To become a famous musician

26. Which of the following is a common pre-technical subject?

- A. Geography
- B. Biology
- C. Creative writing
- D. Drama

27. Name a non-renewable energy resource that is not a fossil fuel.

- A. coal
- B. oil
- C. Uranium
- D. gas

28. One problem with \_\_\_\_\_ energy is that it produces radioactive waste.

- A. nuclear
- B. wind
- C. tidal
- D. solar

29. Which metal is commonly used in the construction of bridges and skyscrapers for its strength and durability?

- A. Iron
- B. Copper
- C. Aluminum
- D. Steel

30. Which resource is non-renewable and can be used up if not managed carefully?

- A. Wood from well-managed tree farms
- B. Coal and minerals like copper
- C. Sisal plants that regrow each season
- D. Rainwater harvested for irrigation

31. What is the purpose of an isometric drawing?

- A. Displaying 2D objects in 3D
- B. Drawing only straight lines
- C. Creating shadows in drawings
- D. Displaying 3D objects in 2D

32. Which of the following is a renewable source of energy?

- A. Natural Gas
- B. Coal
- C. Biomass
- D. Uranium

33. Which metal is commonly used in the aerospace industry for its high strength and heat resistance?

- A. Gold
- B. Aluminum
- C. Titanium
- D. Copper

34. What is the purpose of a drawing board?

- A. Holding paper in place
- B. Measuring angles
- C. Drawing circles
- D. Storing pencils

35. State two properties of non ferrous metals.

- A. Colorful and Non-magnetic
- B. Generally magnetic and Very Low resistance to corrosion
- C. Recyclable and Silverish color.
- D. Durable with Great tensile strength and Recyclable

36. Which tool is used to draw horizontal line?

- A. T square
- B. divider
- C. protractor
- D. 30 x 60 triangle

37. Which non-metallic material is commonly used in making cooking utensils due to its non-reactive properties?

- A. Teflon
- B. Stainless steel
- C. Copper
- D. Plastic

38. State the use of Spade.

- A. to transport piles of dirt
- B. cutting various thin materials
- C. slicing and lifting sod
- D. to make the earth smooth and level before you put plants in

39. Why should you always seek permission before using equipment in the workshop?

- A. To impress others
- B. To challenge authority
- C. To follow the rules and guidelines
- D. To test your luck

40. What is a furniture template used for?

- A. Drawing straight lines
- B. Measuring angles
- C. Drawing circles
- D. Designing interior layouts

41. What should you do if you accidentally spill a chemical on your skin?

- A. Ignore it and continue working
- B. Wash the affected area immediately with water
- C. Rub it off with a cloth
- D. Apply more of the chemical

42. Why is it important to keep the workshop clean and organized?

- A. To prevent accidents and injuries
- B. To make it look pretty
- C. To impress visitors
- D. To have a clean workspace

43. What should you do if you accidentally spill a chemical on your skin in the workplace?

- A. Wait for it to evaporate on its own
- B. Continue working without doing anything
- C. Wash it off immediately with water and seek medical help
- D. Ignore it and leave it on your skin

44. What should you do if you see a damaged tool in the workshop?

- A. Ask a friend to fix it
- B. Report it to a teacher or supervisor
- C. Use it anyway
- D. Hide it

45. Wind, geothermal, and solar energy are all what type of energy resources?

- A. potential
- B. cheap
- C. renewable
- D. chemical

46. Give the meaning of Technical drawing.

A. is a detailed, precise diagram or plan that conveys information about how an object

47. If someone is injured, what is the first thing you should do?

- A. Call for help immediately
- B. Panic and run away
- C. Keep working and ignore the person
- D. Offer a bandage without assessing the injury

48. Why is it important to wear safety goggles when working with tools?

- A. To protect your eyes from flying debris
- B. To obstruct your vision
- C. To block out the sunlight
- D. To look cool

49. Which of the following is a non-renewable source of energy?

- A. Wind
- B. Coal
- C. Geothermal
- D. Biomass

50. What is the correct unit usually used in school technical drawings in Kenya?

- A. Inches
- B. Feet
- C. Centuries
- D. Millimetres

