



Myfuture CBC Revision

Pre-technical - Grade 7

Question Paper

1. Which drawing instrument can be adjusted to draw various angles?

- A. Set square
- B. Compass
- C. Ruler
- D. Protractor

2. Which metal is commonly used in the aerospace industry for its lightweight properties and strength?

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

3. Technical drawings must

- A. Exclude both dimensions and labels
- B. Include dimensions and Include labels
- C. Include dimensions and Exclude labels
- D. Exclude dimensions and Include labels

4. 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

5. Which hand tool is best suited for picking fruits from trees?

- A. Ladder
- B. Screwdriver
- C. Pruning Shears
- D. Handsaw

6. 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. Ignore it and leave it on your skin
- D. Wash it off immediately with water and seek medical help

7. Which material is commonly used for making film screens in cinemas?

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

8. Which energy source is commonly used for cooking in rural areas in Kenya?

- A. Firewood
- B. Coal
- C. Liquefied Petroleum Gas (LPG)
- D. Electricity

9. State the use of Lead in daily life.

- A. used in older thermometers
- B. manufacture of storage batteries.
- C. used to make mirrors
- D. It is used extensively for musical instruments such as horns and bells.

10. Which material is commonly used for making computer keyboards?

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

11. What is the purpose of a leader line in a technical drawing?

- A. Dimensioning an object
- B. Showing hidden edges
- C. Pointing to a specific feature
- D. Indicating the centerline

12. Give one use of energy in everyday life.

- A. Heating and cooling our homes
- B. Fighting
- C. sleeping
- D. selling

13. Which type of line is used to indicate an edge of an object that is not visible in a drawing?

- A. Construction Line
- B. Visible Line
- C. Hidden Line
- D. Dimension Line

14. What is a set square used for?

- A. Calculating area
- B. Drawing right angles
- C. Measuring lengths
- D. Drawing circles

15. What is the primary purpose of freehand sketching in drawing?

- A. To express creativity and ideas
- B. To practice writing skills
- C. To improve hand-eye coordination
- D. To create precise and detailed drawings

16. What should you do if you see a spillage on the floor in the workshop?

- A. Clean it up or report it to a teacher immediately
- B. Wait for someone else to clean it
- C. Ignore it
- D. Walk around it

17. Which metal is known for its resistance to corrosion and is used in outdoor structures like roofing?

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

18. Which of the following energy sources is derived from the movement of water and can be harnessed to generate electricity?

- A. Coal
- B. Hydropower
- C. Petroleum
- D. Nuclear

19. What material is commonly used for making residential water pipes?

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

20. What are the three major hazards?

- A. Human-Caused, Natural and Technological.
- B. fire,chemicals and burn
- C. Human-Caused,chemicals and natural
- D. physical,fire and natural

21. Which type of energy is generated from sunlight?

- A. Hydropower
- B. Wind
- C. Geothermal
- D. Solar

22. Which metal is commonly used in jewelry making due to its luster and rarity?

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

23. What is the purpose of a T-square?

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

24. What is the correct hand tool used for cutting grass or crops in the farm?

- A. Axe
- B. Screwdriver
- C. Rake
- D. Machete

25. What should you do if a stranger asks you for personal information like your address or phone number?

- A. Give them the information they are asking for
- B. Lie about your information
- C. Politely refuse and walk away
- D. Tell them your information but ask for theirs in return

26. Which metal is commonly used in the automotive industry for its lightweight properties?

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

27. Which of the following is an essential skill developed through pre-technical studies?

- A. Participating in dance competitions
- B. Learning how to ride a bike
- C. Reading fictional novels
- D. Improving problem-solving abilities

28. What is the purpose of a French curve?

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

29. There are 3 Main Fossil Fuels. We Know Them As --

- A. Cookies, Nutella, Granola
- B. Coal, Oil, Natural Gas
- C. Canyons, Oceans, Nymph
- D. Carbon Dioxide, Oxygen, Nitrogen

30. Identify two careers related to energy.

- A. Electrical engineer and Technician
- B. Technician and Retailer
- C. Petroleum Engineer and Shopkeeper
- D. Electrical engineer and Wholesaler

31. How should you handle hazardous waste in the workplace?

- A. Dump it in the nearest river or stream
- B. Leave it lying around for someone else to deal with
- C. Label it properly and dispose of it according to regulations
- D. Mix it with regular trash for convenience

32. What material is commonly used for making school blackboards?

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

33. Which of the following activities is commonly included in pre-technical curriculum?

- A. Coloring pictures
- B. Learning about different musical genres
- C. Exploring real-world scientific phenomena
- D. Watching movies

34. Why should you never use damaged or broken tools in the workshop?

- A. To prevent accidents and injuries
- B. To challenge your skills
- C. To save money
- D. To show off your strength

35. What is a drawing template used for?

- A. Creating intricate designs
- B. Measuring angles
- C. Calculating area
- D. Drawing straight lines

36. Which hand tool is used for cutting wires or metal sheets?

- A. Chisel
- B. File
- C. Scissors
- D. Pliers

37. Which of the following is a common hands-on activity in pre-technical studies?

- A. Watching movies
- B. Writing essays
- C. Building model structures
- D. Solving math problems

38. How do you draw a perpendicular line from a point outside a given line?

- A. Use a protractor to estimate the angle
- B. Use a pair of compasses to construct a perpendicular line
- C. Measure equal distances on either side
- D. Draw a parallel line to the given line

39. Which metal is commonly used in heat exchangers and cooling systems due to its thermal conductivity?

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

40. Which of the following statements provides a reason for the widespread use of fossil fuels?

- A. Fossil fuels are not harmful to the environment.
- B. Fossil fuels are a renewable source of energy.
- C. Fossil fuels are readily available and inexpensive.
- D. All of the above.

41. State the use of Zinc in daily life.

- A. manufacture of storage batteries
- B. used to make mirrors
- C. used for parts of aircraft
- D. It is used extensively for musical instruments such as horns and bells.

42. What are natural materials?

- A. Those materials that are found in nature and have not been made by human beings
- B. those that are increasingly difficult to source
- C. is an available resource for which there is an unlimited quantity
- D. Those materials that are found in nature and have been made by human beings

43. Which of the following is not an ore of zinc?

- A. Calamine
- B. Zinc blende
- C. Zincite
- D. zinc pyrites

44. What should you do if you witness a colleague bullying or harassing someone in the workplace?

- A. Ignore it and pretend you didn't see anything
- B. Report the incident to HR or a supervisor immediately
- C. Join in and make fun of the victim
- D. Encourage the behavior to fit in with colleagues

45. Which material is commonly used for making disposable cups and plates?

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

46. You need to transport the fertilizers from the storage to the farm. Which of the following will enable you to perform the task?

- A. Shovel
- B. Spade
- C. Wheelbarrow
- D. Pail

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

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

48. What is a furniture template used for?

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

49. Why is it important to keep work areas clean and organized?

- A. To make it difficult to find things
- B. To save time by not cleaning up
- C. To create a safe and efficient work environment
- D. To confuse colleagues

50. What is the correct hand tool used for spreading seeds or fertilizer in the farm?

- A. Wheelbarrow
- B. Rake
- C. Sprayer
- D. Seeder

