Myfuture CBC Revision

Pre-technical - GRADE 9

Question Paper

1. How should heavy objects be lifted in the workplace to avoid injuries?

A. Use your legs and keep your back straight

B. Lift with your back and twist for extra points

C. Try to lift as much weight as possible to show off

D. Ask for help and use the proper lifting techniques

2. State four forms of energy.

A. Light energy.
Sound energy.
B. Light energy.
Sound energy.
C. Light energy.
Sound energy.
D. Light energy.
Sound energy.

3. Which element is commonly used to create interactive games in visual programming?

A. Sprites

B. Labels

C. Buttons

D. Text Boxes

4. Which component of a computer is responsible for managing and controlling memory?

A. RAM

B. Hard drive

C. Graphics card

D. Motherboard

5. State the use of Scissors.

A. slicing and lifting sod

B. digging straight-edged holes or trenches

C. to gather leaves together

D. cutting various thin materials

6. Which of the following is not a characteristic of visual programming?

A. Drag-and-drop functionality

B. Interactive user interface

C. Uses graphical elements

D. Uses text-based coding only

7. What is the purpose of a table saw in a production unit?

A. Cutting wood

B. Folding fabric

C. Ironing clothes

D. Cutting paper

8. What is an investment?

A. Using money to buy something that you expect will grow in value or earn income
B. Putting cash in a tin at home

C. Spending money on video games only

D. Giving money away for free

9. Which of the following is a good strategy for saving money for investment purposes?

A. Spending all income on luxuries

B. Investing all savings in a risky venture

C. Ignoring the importance of saving

D. Setting aside a portion of income for saving regularly

10. Which type of ceramic is known for its translucent and delicate appearance?

A. Porcelain

B. Stoneware

C. Terracotta

D. Earthenware

11. Which manufacturing process is often used to make plastic toys and school items?

A. Annealing metal

B. Gas welding

C. Blacksmith forging

D. Injection moulding

12. Which of the following is a common form of market manipulation?

A. Regulator enforcement

B. Transparency measures

C. Pump and dump schemes

D. Insider trading

13. Which type of composite material is known for its high thermal conductivity?

A. Polymer matrix composite

B. Rubber composite

C. Graphite composite

D. Ceramic matrix composite

14. What should you do if you witness someone getting injured?

A. Laugh at them

B. Leave the scene without doing anything

C. Blame the person for the injury

D. Offer help and call for assistance

15. How does visual programming benefit students who are new to coding?

A. Makes coding more challenging

B. Offers a visual way to learn programming

C. Requires advanced coding knowledge

D. Provides instant debugging

16. What should you do if you notice faulty electrical wiring in the workplace?

A. Inform your colleagues and discuss it over coffee

B. Report it to the maintenance department immediately

C. Touch it to see if it's really faulty

D. Ignore it and hope for the best

17. State the use of Lead in daily life.

A. sed in older thermometers

B. manufacture of storage batteries.

C. It is used extensively for musical instruments such as horns and bells.

D. used to make mirrors

18. Which type of composite material is known for its high chemical resistance?

A. Metal matrix composite

B. Carbon fiber composite

C. Boron nitride composite

D. Polymer matrix composite

19. What is the purpose of using loops in visual programming?

A. Display error messages

B. Create animations

C. Repeat a block of code

D. Change the color of elements

20. Why is it important to make a prototype or model before making the final product?

A. To waste materials intentionally

B. To increase project cost

C. To avoid drawing plans

D. To test the design cheaply and find problems early

21. What is the main danger if a workpiece is not held securely while you are working on it?

A. The workpiece may move, causing injury or a poor finish

B. It becomes easier to measure

C. The tools will last longer

D. You will finish faster

22. How can you customize visual programming interfaces?

A. Resize the window

B. Adjust the layout

C. Change the programming language

D. Change the font style

23. Which instrument is used to draw parabolas?

A. Compass

B. Protractor

C. Ruler

D. Parabola template

24. What material is commonly used for making protective goggles for welding?

A. Plastic

B. Wood

C. Fiberglass

D. Glass

25. Which of the following is an example of informal business communication?

A. Water cooler gossip

B. Official press release

C. Company newsletter

D. Board meeting

26. Why is it important to wear gloves and a mask when sorting waste in the workshop?

A. Because it will make the waste lighter

B. To stop teachers from seeing what you are doing

C. To protect against cuts, infections and inhaling dust or harmful fumes

D. Because they are fashionable

27. What is a return on investment (ROI)?

A. A way to lose money faster

B. The cost of buying snacks

C. The profit or benefit you get from an investment over time

D. A tax you pay on school fees

28. What is the primary purpose of a bandsaw in a production unit?

A. Sewing fabric

B. Folding paper

C. Cutting metal

D. Sharpening pencils

29. What should you do if you cut yourself while handling sharp objects?

A. Wait for it to heal on its own

B. Wash the wound with dirty water

C. Ignore the cut and continue working

D. Cover the wound with a clean bandage

30. Why are fossil fuels considered nonrenewable resources if they are still forming beneath the surface today?

A. The fossil fuels are being broken down by a natural process faster than they can form.

B. They are being formed as a type of methane which we cannot use.

C. They are being formed too far beneath the surface of the ocean

D. We are depleting the fossil fuels much faster than they can form.

31. Which element is used to perform arithmetic operations in visual programming?

A. Shapes

B. Text Boxes

C. Buttons

D. Math Blocks

32. What is the most crucial aspect of effective business communication across diverse teams?

A. Encouraging open dialogue

B. Limiting communication channels

C. Using technical jargon

D. Ignoring cultural differences

33. What is the matrix material in composite materials?

A. Glass

B. Metal

C. Plastic

D. Carbon

34. Where should arrowheads be placed in dimension lines?

A. Only on hidden lines

B. Randomly anywhere on the drawing

C. At the ends of the dimension line pointing to the extension lines

D. Inside the title block

35. Which tool is used for holding objects firmly in place?

A. Pliers

B. Hammer

C. Vise grip

D. Screwdriver

36. How can you verify the authenticity of a website before entering personal information?

A. Look for spelling and grammar mistakes on the website

B. Read the terms and conditions in detail

C. Check for a secure connection (https://) and padlock icon in the address bar

D. Click on all the ads on the website

37. Why is it important to use a scale in a plain scale drawing?

A. To hide information

B. To accurately represent size

C. To make the drawing colorful

D. To confuse the viewer

38. Which tool is best for checking and transferring angles that are not exactly 45° or 90°?

A. Try square

B. Tape measure

C. Bevel gauge

D. Combination square

39. What should you do if you see a hazard on a raised platform?

A. Ignore it and continue working

B. Take a selfie with the hazard

C. Try to fix it yourself

D. Inform your supervisor immediately

40. Which component of a computer system stores instructions and data that the CPU needs?

A. Monitor

B. RAM

C. Motherboard

D. Hard Drive

41. Which type of composite material is often used in aerospace applications?

A. Ceramic matrix composite

B. Rubber composite

C. Plastic composite

D. Bamboo fiber composite

42. Why is record keeping important for a small business?

A. To make the shop look bigger without selling anything

B. To stop customers from buying goods

C. To make sure the owner never counts money

D. To know how much money is earned and spent and to make better decisions

43. What is the role of fibers in composite materials?

A. To make the material heavier

B. To provide strength and reinforcement

C. To make the material flexible

D. To reduce cost

44. How does bookkeeping contribute to strategic decision-making for entrepreneurs?

A. By avoiding financial analysis

B. By disregarding market trends

C. By analyzing financial data

D. By relying on guesswork

45. What is the role of tracking business expenses in budgeting?

A. To keep inaccurate records of spending

B. To avoid understanding where money goes

C. To analyze how money is being spent

D. To ignore financial planning

46. How can investors verify the legitimacy of an investment opportunity?

A. Consulting with regulators

B. Ignoring warning signs

C. Avoiding due diligence

D. Investing without research

47. Which tool is commonly used for marking or scoring materials before cutting or shaping them?

A. Ruler

B. Anvil

C. Welding machine

D. Chisel

48. How can entrepreneurs increase their savings?

A. By setting aside a portion of income regularly

B. By ignoring budgeting completely

C. By avoiding tracking expenses

D. By splurging on unnecessary items

49. What is Technical drawing?

A. is the result of combining several technical discoveries, relating to seeing an image and

B. be defined as the primarily linear rendition of objects in the visible world.

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

D. a way to let doctors see what's going on inside your body.

50. What does diversification mean for investments?

A. Spreading money across different types of investments

B. Never investing at all

C. Putting all your money into one business

D. Keeping money only at home