FINALPREPS ASSESMENTS AND EVALUATIONS

Mock Examination for B.E.C.E Candidates

October 2025

CAREER TECHNOLOGY 2 & 1
(ESSAY AND OBJECTIVE TEST)

2 hours

Name: .....

Index Number: .....

INSTRUCTIONS

Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your name and index number in ink in the spaces provided above.

This booklet consists of two papers. Answer Paper 2 which comes first, in your answer booklet and Paper 1 on your Objective Test answer sheet provided. Paper 2 will last 60 minutes after which the answer booklet will be collected. Do not start Paper 1 until you are told to do so. Paper 1 will last 60 minutes.

INDEX NUMBER: _____ SIGNATURE: _____ TIME: 2 HOURS

This paper consists of two parts: Part A and Part B. Answer four questions only: two questions from Part A (Question 1 is compulsory) and two questions from Part B (Question 4 is compulsory).

PAPER 2 (ESSAY) – [60 marks]

PART A [30 Marks]

1. (a) You're hosting a breakfast event for a group of friends and want to serve delicious pancakes. However, you're concerned about food safety and hygiene.

i) Outline the steps you'd take to prepare the pancake. **[4 marks]**

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ii) What three skills or precautions would you observe to maintain food hygiene during the event? **[3 marks]**

(b) i) State three factors to be considered when planning a meal. **[3 marks]**

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ii) Why is meal planning essential? Give two reasons. **[2 marks]**

(c) You're a chef tasked with preparing a menu for a special dinner event. You need to choose the right

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cooking methods to bring out the best flavors and textures in your dishes. One of the dishes requires **moist-heat cooking**. Which methods would you use? Name any three of them. **[3 marks]**

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2. **(a)** Explain the following terms used in making fabrics:

i) Crocheting

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ii) Weaving **[4 marks]**

(b) You're a fashion designer creating a new clothing line. The client wants garments that are comfortable, durable, and suitable for different occasions. You need to consider the physical properties and constructive categories of fabrics.

i) What three physical properties of fabrics would you consider when selecting materials? **[3 marks]**

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ii) Fabrics can be categorized into two main groups based on their constructive properties. What are these two categories? **[2 marks]**

(c) i) Identify four cutting tools that can be found in the kitchen. **[4 marks] ii)** State the type of lines used for the following illustrations: **[2 marks]**

α) Hidden details: _____

β) Outline drawing: _____

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3. **(a) i)** Explain the term **"surface preparation"** in finishing processes. **[2 marks] ii)** Briefly explain the consequences of exposing working tools to extreme temperatures before and after use. **[3 marks]**

(b) i) What three advantages would you gain from starting your own business? **[3 marks] ii)** List six potential business ideas that would be successful in your locality. **[3 marks]**

(c) A textile factory wants to make more clothes from plant fibres.

(i) List two properties of plant fibres. **[2 marks]**

(ii) Arrange the following terms in sequential order of production: **Yarn, Garment, Fibre, Fabric**. **[2 marks]**

PART B [30 Marks]

4. **(a)** In the village of Suhum, Abena sought the guidance of her uncle, Uncle Mensa, a skilled artist. He showed her an incomplete sketch of an **isometric block** and challenged her to finish it.

   ii) How would Abena complete the sketch in Figure 1 to obtain a complete isometric block? **[5 marks]**

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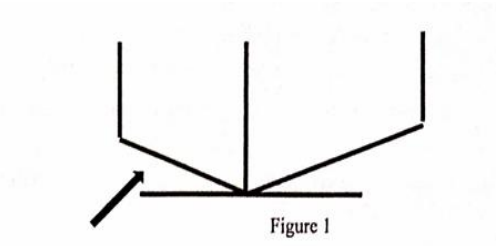

Figure 1

ii) What two drawing materials or instruments would Abena need to complete the work? **[2 marks]**

(b) Copy and complete the table below: **[5 marks]**

Material	One product each
Modified starches	
Sanitized fabrics	
Liquefied crystal display	
Photochromic pigment	

(c) State one way each for caring and maintaining the following tools: **[3 marks]**

i) Sewing machine

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ii) Hand trowel

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iii) Wooden mallet

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5. (a) i) Identify four areas where smart and modern materials are commonly used. **[4 marks]**

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ii) List the three main functional groups of food. **[3 marks]**

(b) Group the following food items into their respective categories: **Meat, Egg, Cereal, Vegetables, Beans, Fruits, Rice, Milk, Yam, Fats and Oil**. **[5 marks]**

Body-Building Food	
Energy-Giving Food	
Protective Food	

(c) State three reasons why food is cooked before eating. **[3 marks]**

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6. **(a)** List three measuring tools that should be considered when setting up a workshop. **[3 marks]**

(b) Suggest three items a person should include in a shopping list for a new kitchen. **[3 marks]**

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(c) Define what a **pictorial drawing** is and identify three ways of drawing objects in pictorial form. **[5 marks]**

(d) i) State two ways to prevent poor environmental health. **[2 marks]**

ii) Mention two diseases caused by poor environmental health. **[2 marks]**

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PAPER 1: OBJECTIVE TEST [40 Marks]

1. _____ is also beneficial to all organizations since, in addition to avoiding costly fines, it ensures increased productivity, better morale, and fewer lost workdays.
A. Wellness B. Health
C. Safety D. Protocols

2. _____ are the laws, rules, and principles that are intended to keep people safe from injury or diseases at home, or school, work and in public places.
A. Wellness B. Health
C. Safety D. Protocols

3. The concept of staying healthy involves the following except:
A. Eating at night B. Drinking enough water
C. Exercising regularly D. Coping with stress

4. Which of the following blocks negative thoughts or distracts you from daily worries?
A. Wellness B. Protocol
C. Exercise D. Health

5. Which of the following adds stress to your life and plays a role in how well you can cope with stress?
A. Physical activities B. Poor health habits
C. Shocks D. Well-being

6. _____ make daily tasks more challenging, create financial stress, and even jeopardize your ability to earn a living.
A. Physical activity B. Poor health habit
C. Shocks D. Well-being

7. Which of the following is a poor eating habit?
A. Overeating
B. Eating appropriate quantities
C. Eating in between meals
D. Eating vegetables

8. _____ causes the weight to pull down on a structure.
A. Load B. Stress C. Stability D. Gravity

9. Structures are all around us in the natural and _____ environment.
A. Built B. Artificial
C. Structural D. Organizational

10. The _____ of a structure is its ability to maintain balance and stay fixed in one spot.
A. Stress B. Stability C. Load D. Force

11. A _____ is a supporting framework of any size, shape and purpose that holds a load.
A. Structure B. Stability
C. Load D. Stress

12. A structure can be defined as an arrangement of parts joined together in a manner that provides _____ to facilitate the carrying of loads.
A. Force B. Strength
C. Stability D. Compression

13. Which of the following pushes down a structure and compresses it?
A. Pull B. Load C. Stress D. Stability

14. The supporting framework of any size, shape and purpose that holds a load is known as:
A. Stability B. Structure
C. Stress D. Compression

15. Which of the following is determined by a standard test where the surface resistance to indentation is measured?
A. Toughness B. Hardness
C. Strength D. Conductivity

16. Materials that only melt at very high temperatures are called:
A. Refractory B. Cognitive
C. Sensory D. Feasible

17. The ability of the material to resist deformation is known as:
A. Toughness B. Strength
C. Hardness D. Conductivity

18. _____ is a granular material consisting of finely divided rock and mineral particles.
A. Graphite B. Fine sand
C. Coarse stone D. Granite

19. The following are genetically modified foods except:

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A. Probiotic yoghurts B. Quorn food spices
C. Cereals D. Tofu

20. What is the technical name for the colour-changing glasses?
A. Hydromatic B. Photochromic
C. Photoelectric D. Photochromatic

21. Which of the following is an example of protective and regulatory food?
A. Liver B. Cereals C. Nuts D. Oilseed

22. The type of material used, and the shape of a structural member have a significant impact upon the material's structural:
A. Adjustment B. Effectiveness
C. Efficacy D. Competence

23. The supporting framework of any size, shape and purpose that holds a load is referred to as: A. Gravity B. Structure
C. Force D. Compression

24. The natural force of attraction between two objects is known as:
A. Compression B. Tension
C. Tensile D. Gravity

25. The following are used to describe a force except:
A. Magnitude B. Direction
C. Tension D. Plane of application

26. The following are internal forces except:
A. Tensile B. Torsion C. Shear D. Tension

27. Pulling on two pieces of wood that have been glued together is an example of:
A. Torsion B. Shear C. Tension D. Compression

28. The collection of the works that show one's design ideas including fashion-focused creative skills, art-making skills or building concepts is referred to as:
A. Design folio B. Design portfolio
C. Design collection D. Artefact collection

29. The joining process which involves parts made to join along their contacting surfaces through the application of heat or pressure, or both is known as:
A. Mechanical B. Thermodynamic
C. Physical D. Sectional

30. The following are methods of joining materials except:
A. Curving B. Wielding
C. Brazing D. Fastening

31. _____ is a soluble protein which functions as a clear gelling agent and thickener in food products.
A. Gletanin B. Gelatin C. Collagin D. Silicon

32. The process of creating fabric from yarn or thread is known as:
A. Yarning B. Crocheting
C. Looping D. Embroiling

33. Any substance which, when applied between the surfaces of two or more materials or objects, can be used to hold, fasten, or bond them together is known as:
A. Binder B. Adhesive C. Abrasive D. Fastener

34. The following are methods of cleaning and sanitizing kitchen tools and equipment except:
A. Immersion B. Sterilizing
C. Dishwashing D. Disassembling

35. Which of the following gives you options to advance your education and career over time in a way that works for your life?
A. Career setting B. Career pathway
C. Career direction D. Career system

36. Which of the following links your education to industry needs, so you are learning the skills that will allow you to start on a career path that offers economic mobility and opportunities to advance in life?
A. Career system B. Career direction
C. Career setting D. Career pathway

37. Another name for career and technical education is:
A. contemporary education
B. comprehensive education
C. vocational education
D. vision education

38. Which of the following provides students with the opportunity to gain work experience through

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internships, job shadowing, on- the- job training, and industry-certification opportunities?

A. comprehensive education
B. vision education
C. contemporary education
D. vocational education

39. Which of the following programs frequently offers both academic and career-oriented courses?

A. vocational education
B. comprehensive education
C. vision education
D. contemporary education

40. The following are skills offered by career and technology education except:

A. technical skills B. exploratory skills
C. academic skills D. employable skills

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