

## PB PAGEZ MOCK 2

AUGUST 2021

PRE-TECHNICAL SKILLS  
Essay And Objective

1 Hour 45 Minutes

# 2 & 1

Name.....

Index Number.....

# PB PAGEZ EXAMINATION

Private Mock Examinations For BECE Candidates

AUGUST 2021

PRE-TECHNICAL SKILLS 2 & 1

1 Hour 45 Minutes

***All answers must be provided on clean sheet of papers (Answer booklet).***

Write your name and index number on the sheets.

This booklet consists of two papers. Answer Paper 2 which comes first in your answer booklet and Paper 1 on your Objective Answer Sheet. Paper 2 will last for **1** Hour after which the answer booklet will be collected. Do **not** start Paper 1 until you are told to do so. Paper 1 will last **45** minutes.

Answer all questions in your answer booklet.

**MORE MOCK QUESTIONS @**

<https://www.pbpagez.com/mock/>

## PAPER 2

This paper consist of two parts, part I and II. Answer all questions in part I in answer sheet provided and answer any two questions in part II on the drawing sheet provided.

### PART 1 (20 marks) CORE KNOWLEDGE COMPULSORY

Answer all questions in this part.

1. a. i. What is stitching? 2 marks  
ii. Explain the term seam. 2 marks
- b. Mention **four** items produce from crocheting. 2 marks
- c. List **four** types of seam. 2 marks
- d. State **two** importance of packing an end product. 2 marks
- e. State **two** tools used in repairing broken down furniture. 3 marks
- f. List two tools used in Graphic communication. 2 marks
- g. Differentiate between General exhibition and specialized exhibition. 3 marks
- h. Draw an apple and shade it in 3 tones using mass shading.

### PART II (50 MARKS) PRE - TECHNICAL SKILLS KNOWLEDGE Answer only TWO questions from this section

2. a. State **two** tools used in sheet metal work. 3 marks
- b. State **two** examples of temporary joints. 3 marks
- c. Sketch a 2 – course block wall. 6 marks
- d. Copy and complete the table. 10 marks

Material	Use
Mortar	Block moulding
i. Concrete	
ii. Nylon	
iii. Medium Carbon steel	
iv. Mahogany	
v. Clay	

- e. State the functions of the following components in an electrical circuit
    - i. Battery 1 ½ marks
    - ii. Switch 1 ½ marks
3. a. State **two** joints used in sheet metal work. 3 marks
  - b. State **two** fastening tools. 3 marks
  - c. i. Sketch a funnel stake. 6 marks  
ii. Label **one** part of the funnel state. 2 marks  
iii. State **one** use of the funnel state. 2 marks

d. State **two** cutting tools used in woodwork.

3 marks

e. Draw a cube in two-point perspective below eye –level.

6 marks

4. a. State two items each that can be made using the following materials;

i. Cast iron

2 marks

ii. Cement

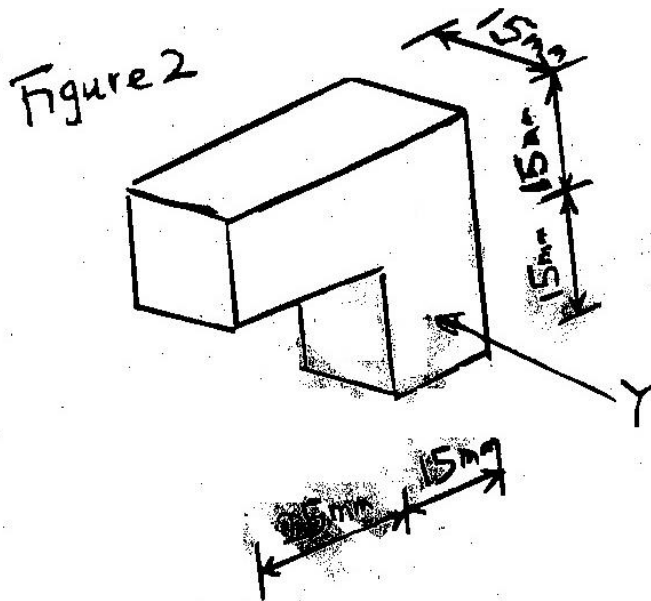
2 marks

iii. Aluminium

2 marks

b. Figure 2 is a wooden block, draw the Front Elevation and End view.

10 marks



(Note: Draw to full scale)

c. State **two** uses of;

i. fine aggregate

3 marks

ii. Coarse aggregate

3 marks

d. State **two** uses of hand trowel.

2 marks

e. Sketch a resistor.

1 mark

**DO NOT TURN OVER  
THIS PAGE  
UNTIL YOU ARE TOLD TO DO SO.**

PAPER 1

45 MINUTES

OBJECTIVE TEST

Write your name and index number in ink in the spaces provided above

1. Use **2B** pencil throughout.
2. On the pre-printed answer sheet, check that the following details are correctly printed:  
  
Your surname followed by your other names, the subject Name, your Index Number, Centre Number and the Paper Code.
3. In the boxes marked *Candidate Name*, *Centre Number* and *Paper code*, reshave each of the shaded Spaces.

# PAPER 1

## OBJECTIVE TEST

1. Crockery is a collection
  - A. fork and spoons.
  - B. glasses and forks
  - C. plates and forks
  - D. plates and glasses
2. A sole proprietor.....
  - A. share profit -with friends
  - B. share profit with a
  - C. takes decisions alone
  - D. takes decisions
3. Which types of seam is useful for underwear?
  - A. Open seam
  - B. French seam
  - C. Plain seam
  - D. Overland seam
4. Apple, pawpaw and tomatoes are examples
  - A. protective food
  - B. energy - giving food
  - C. body - building food
  - D. repair heat - giving: foods.
5. Sole is a type of.....
  - A. shell fish
  - B. white fish
  - C. oily fish
  - D. crustaceans
6. ....drawing shows how the human eye sees an object.
  - A. Isometric
  - B. Oblique
  - C. Perspective
  - D. Plan
7. Pyramids are.....figures.
  - A. flat
  - B. projected
  - C. solid
  - D. square
8. A statement which is written based on a problem identified is called .....
  - A. situation
  - B. sentence
  - C. solution
  - D. subject
9. ....is not a career opportunity.
  - A. Apprenticeship
  - B. Dressmaking
  - C. Graphic designing
  - D. Masonry
10. ....is the lowest part of a solid on which it rests or stands.
  - A. Apex
  - B. Axis
  - C. Base
  - D. Vertex
11. Which of these reasons is not why exhibition is organized?
  - A. To promote local craftsmanship
  - B. Improve local products
  - C To tell the public there are 2 types of exhibition
  - D. To advertise a product
12. Which colours are mixed to get violet?
  - A. Blue and Green
  - B. Blue and Yellow
  - C. Yellow and Red
  - D. Blue and Red
13. The items displayed at the exhibition is called.....
  - A. exhibits
  - B. exhibitors
  - C. products
  - D. artifacts
14. How many types of texture do we have?
  - A. 2
  - B. 3
  - C. 4
  - D. 5
15. The illustration is referred to as.....
  - A. arrow line
  - B. diverging line
  - C. broken line
  - D. concentric line
16. Oblique drawing is a form of ..... drawing
  - A. parallel
  - B. physical

- C. pictorial
- D. projection

17. Line and pins are used for setting out in.....work

- A. block
- B. metal
- C. plastic
- D. wood

18. Sand is a..... aggregate.

- A. course
- B. concrete
- C. fine
- D. mortar

19. A mortar board is a..... tool.

- A. block work
- B. metal work
- C. plastic work
- D. wood work

20. ....is used for cutting sheet metal.

- A. mortice chisel
- B. scribe
- C. straight snips
- D. tenon saw

21. ....is an alloy of tin and lead.

- A. Brass
- B. Bronze
- C. Duralumin
- D. Soft solder

22. Voltage is a measure of.....energy.

- A. chemical
- B. electrical
- C. nuclear
- D. physical

23. ....oppose the flow of current in an electrical circuit.

- A. Capacitor
- B. Diodes
- C. Resistors
- D. Transistors

24. The following materials are thermoplastics *except*.....

- A. epoxyresin

- B. nylon
- C. polythene

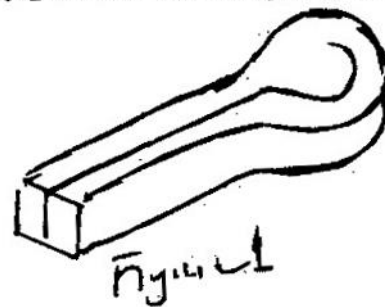
25. Voltage is measured in.....

- A. Amps
- B. Joules
- C. Ohms
- D. Volts

26. ....is the process of fastening metals together with solder.

- A. Gluing
- B. Joining
- C. Soldering
- D. Welding

Use figure 1 to answer questions 27 - 29



27. Figure 1 is a tool called.....

- A. folding bar
- B. funnel stake
- C. machine vice
- D. straight snips

28. Figure I is a tool used in

- A. block work
- B. plastic work
- C. sheet metal work
- D. wood work

29. The tool in figure I is used to bend.....

- A. block
- B. plastic
- C. sheet metal
- D. wood

30. Tinman's solder is .....

- A. an alloy
- B. a metal
- C. a plastic
- D. a specie of wood

# PB PAGEZ EXAMINATION

## FREE MOCK QUESTIONS\_2

### PRE-TECHNICAL SKILLS Marking Scheme

#### OBJECTIVE TEST (30 MARKS)

1. D	6. C	11. C	16. C	21. D	26. C		
2. C	7. C	12. D	17. A	22. B	27. A		
3. B	8. A	13. A	18. C	23. C	28. C		
4. A	9. A	14. A	19. A	24. A	29. C		
5. B	10. C	15. B	20. C	25. D	30. A		

#### PAPER TWO

##### **Question 1**

- a. i. Stitching: Is the process of holding pieces of fabric together with a thread and needle.
- ii. The term Seam: A seam is made when two or more fabrics are joined together with a permanent stitch.  
*1 mark each = 2 marks*
- b. Four (4) items produced from crocheting.
- table cloth
  - bed spreads
  - bags
  - singlet
  - cushion covers
- 2 marks at 1/2 mark for any four*
- c. Four (4) types of Seam.
- open/ plain seam
  - run and fell seam
  - overlaid seam
  - French seam
  - double stitched seam
- 2 marks at 1/2 mark for any four*
- d. Two (2) importance of packing an end product.
- Attracts buyers
  - Gives information
  - For easy handling etc
- 1 mark each = 2 marks*

e. Two (2) tools used in repairing broken down furniture.

**1.5 marks each = 3 marks**

- i. Claw hammer
- ii. Pincers
- iii. Tenon saw etc

f. Two (2) tools used in Graphic Communication

**2 marks**

- i. Protractor
- ii. pair of dividers
- iii. Rule
- iv. Pencil etc

g. General exhibition attracts kinds of artifacts that displayed for viewers and buyers to see. Such exhibition is also called bazaar or fair, while specialized exhibition attracts specific products and accessories alone.

**2 marks**

h. Ability to draw apple

**2 marks**

Shading in 3 tones using mass

**2 marks**

Aesthetic value

**1 mark**

2. a. Two tools used in sheet metal work.

**1.5 marks each = 3 marks**

- Curved snips
- Universal snip
- Straight snips

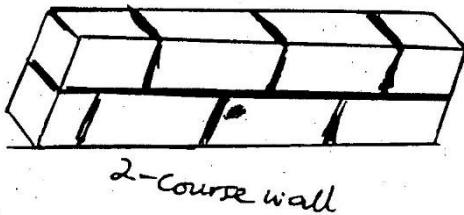
b. Two examples of temporary joints.

**1.5 marks each = 3 marks**

- Screws
- Scan fittings
- Bolt and nuts

c. 2 course wall

**6 marks**



- Drawing of receding lines – 1 mark
- Showing 2 vanishing points - 2 marks
- Showing eyelevel - 1 mark
- Drawing of 3 vertical sides of cube – 1 ½ marks
- Neatness – ½ mark

d. Copy and complete the table.

**10 marks**

Material	Use
Mortar	Block moulding
i. concrete	Pillars, slabs, etc
ii. Nylon	Fishing nets, toothbrushes
iii. Medium carbon steel	Hammer heads, agricultural implements
iv. Mahogany	Doors, tables
v. Clay	Bricks, ovens

e.i. Function of battery

**1.5 marks**

- Source of power

ii. Function of switch

**1.5 marks**

- Opens and closes electrical circuit

**Total = 25 marks**



3.a. Two joints used in sheet metal work

3 marks

- Lap joint
- Grooved seam
- Counter sunk joint

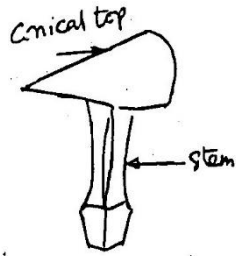
b. Two fastening tools.

3 marks

- Ball peen hammer
- Dot punch
- Pincers
- Pliers

c. i. A funnel stake

6 marks



ii. Labelling the funnel.

2 marks

- Conical top
- Stem (labelling should be done on sketch)

iii. Use of the funnel stake

2 marks

- Used for making conical shapes
- Forming and trueing rings

d. Cutting tools used in wood work.

3 marks

- Tenon saw
- Mortice chisel
- Ripsaw

e. A cube in two – perspective below eye-level

6 marks

**Total = 25 marks**

4. a.i. Two items made of cast iron

2 marks

- Engine block
- Jack plane
- Box iron

ii. Two items made of cement

2 marks

- Blocks
- Bricks
- Concrete
- Mortar

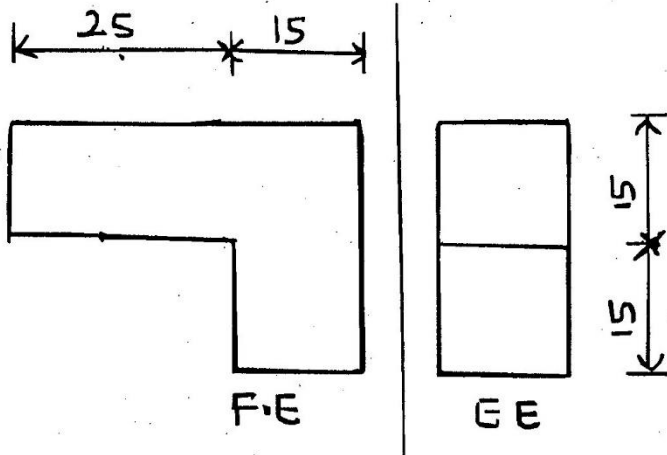
iii. Two items made of aluminium

2 marks

- Cooking utensils
- Roof sheets
- Electrical cables

b. Drawing F.E of figure 2

10 marks



All Dimensions in mm

c. i. Two uses of fine aggregate.

3 marks

- Mortar
- Block moulding
- Plastering

ii. Two uses of coarse aggregate

2 marks

- Concrete
- Slab
- Pillars

d. Two uses of hand trowel.

2 marks

- Picking mortar
- Spreading mortar
- Plastering

e. Sketching a resistor

1 mark

**Total = 25 marks**