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BECE

**BASIC DESIGN AND TECHNOLOGY
(Visual Art)**

Past Questions & Answers

2014

**Junior High School
Years 1, 2 & 3**

Compiled by:



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CONTACT

Email:

info@wordpub.org

Telephone:

(+233) 030 295 1486,
(+233) 020 893 0787,
(+233) 057 860 0052,
(+233) 024 850 6613.

Postal Address:

Word Publishers,
P.O. Box NT 583,
Newtown – Accra,
Ghana.

Location:

7 Tunemete Street,
Dzorwulu-Accra,
Ghana.

Website:

bece.wordpub.org

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DEDICATION

To the Lord **Jesus Christ**, our Saviour and soon-coming King

LIST OF PAPERS

2014 VISUAL ART PAPER 1

2014 VISUAL ART PAPER 2

June 2014

**BASIC DESIGN AND TECHNOLOGY 1
(Visual Art 1)**

**Objective Test
40 minutes**

1. To hold a lining onto a fabric temporarily, one can use
 - A. basting
 - B. even tacking
 - C. tailor's tacks
 - D. thread marking

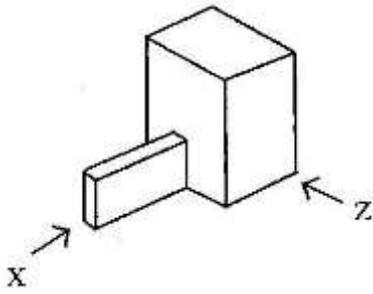
2. Which of the following stitches can be used to neaten raw edges of a set-in-sleeve?
 - A. Feather
 - B. Fishbone
 - C. Herringbone
 - D. Loop

3. The goiter on Evelyn's neck is caused by lack of
 - A. calcium
 - B. iodine
 - C. protein
 - D. vitamin

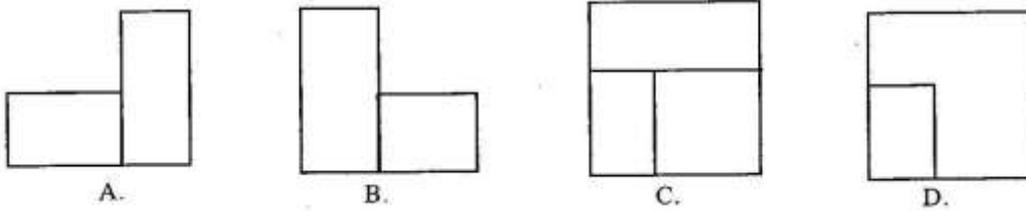
4. Man-made elements represented in art include
 - A. branches
 - B. rivers
 - C. stones
 - D. walls

5. The visitors' book signed at exhibitions helps the exhibitor to know the
 - A. dignitaries who attended
 - B. number of works in high demand
 - C. observations made about the work
 - D. people who came

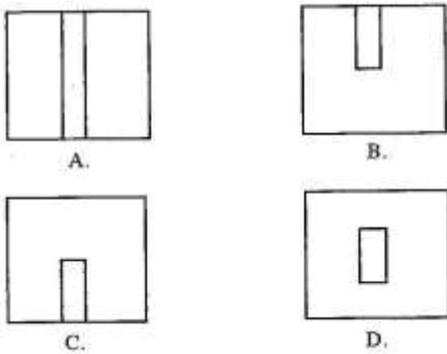
Use the sketch below to answer questions 6 and 7



6. Which of the following represents the front view in the direction of arrow **Z**?



7. Which of the following represents the left end elevation in the direction of arrow **X**?



8. A place where art works are sold is

- A. an archive
- B. a gallery
- C. a museum
- D. a studio

9. In design, the conditions that the final solution must satisfy is termed

- A. investigation
- B. specification
- C. development
- D. analysis

10. Which of the following instruments is **most** suitable for drawing horizontal lines?

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

Figure 2 shows a design process. Use it to answer questions 11 and 12

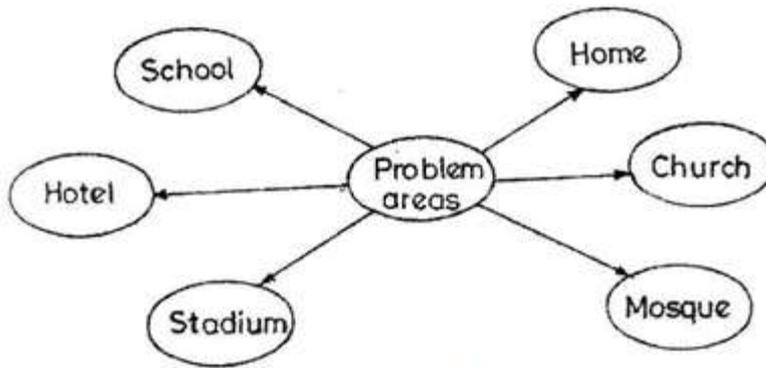


Figure 1

11. Figure 1 shows the method of
 - A. specifying solutions
 - B. stating specification
 - C. evaluating artifact
 - D. identifying needs

12. Which of the following design process stages follows the method shown in figure 1?
 - A. Writing specifications
 - B. Writing situation
 - C. Analyzing a situation
 - D. Sketching possible solutions

13. Shading with lines is described as
 - A. cross hatching
 - B. hatching
 - C. stippling
 - D. tonal value

14. Which of the following colours produces a feeling of warmth?
 - A. Blue
 - B. Green
 - C. Violet
 - D. White

15. Which of the following factors can cause a sewing business to collapse?
 - A. Advertising
 - B. Insurance
 - C. Low sales
 - D. Skilled labour

16. An artwork done by glueing bits of different materials on a support is known as
 - A. collage
 - B. figure drawing
 - C. mosaic

- D. still life drawing
17. Which of these supports is most suitable for pencil work?
- A. Cardboard
 - B. Fabric
 - C. Paper
 - D. Straw board
18. Select the type of lettering usually used for emphasis from the options below
- A. Freestyle
 - B. Gothic
 - C. Italic
 - D. Roman
19. In direct printing, the artist takes impressions from
- A. designed blocks
 - B. hard surfaces
 - C. natural surfaces
 - D. stencil blocks
20. Which of the following art forms is associated with odds and ends?
- A. Applique
 - B. Collage
 - C. Mosaic
 - D. Mural
21. The binder in crayon is
- A. clay
 - B. glue
 - C. lacquer
 - D. wax
22. The organization of the elements in a design is known as
- A. blending
 - B. composition
 - C. repetition
 - D. sketching
23. The most suitable media for smudging is
- A. charcoal
 - B. crayon
 - C. marker
 - D. pencil
24. Drawings showing only shapes of objects without tones are called
- A. contours
 - B. hatches
 - C. shades

D. silhouettes

25. Yellow is
- A. a secondary colour
 - B. adjacent to violet
 - C. a warm colour
 - D. complementary to green

PART I
FOR CANDIDATES OFFERING WEAVING AND STITCHING

Answer all questions from 26 to 30

26. Warp and weft are to textile as stakes and weaver are to
- A. framing
 - B. basketry
 - C. macramé
 - D. plaiting

27. Which of the following items is produced by knitting?
- A. Grey baft
 - B. Khaki
 - C. Poplin
 - D. Socks

28. Cocoa sacks are produced from
- A. flax
 - B. hemp
 - C. jute
 - D. sisal

29. Another name for coconut fibre is
- A. sisal
 - B. pith
 - C. mohair
 - D. coir

30. A basket is always finished by
- A. binding
 - B. filching
 - C. slewing
 - D. wrapping

PART II
FOR CANDIDATES OFFERING MODELLING, CASTING AND CARVING

Answer all questions from 26 to 30

- 26.** Identify a tool for hitting from the options below
- A. Adze
 - B. Mallet
 - C. File
 - D. Gouge
- 27.** A carver uses a vice mainly to
- A. bend
 - B. cut
 - C. file
 - D. hold
- 28.** A clay is said to be plastic when it is
- A. coarse, flexible and heavy
 - B. fine, hard and porous
 - C. moist, smooth and workable
 - D. soft, warm and clean
- 29.** Kneading is a process in
- A. carving
 - B. casting
 - C. construction
 - D. modelling
- 30.** Identify a suitable material for casting from the options below.
- A. Plaster
 - B. Marble
 - C. Stone
 - D. Wood

PART III
FOR CANDIDATES OFFERING CONSTRUCTION AND ASSEMBLAGE

Answer all questions from 26 to 30

- 26.** The construction of a papercraft article must begin with
- A. cutting away of unwanted parts
 - B. sketches of the object
 - C. folding of cards to be used
 - D. pasting down the flaps

27. Torn and old books are repaired to
- A. add new chapters
 - B. increase the size of the book
 - C. remove unnecessary chapters
 - D. make it appear new and useful
28. When suitable tools are used in construction,
- A. faults develop
 - B. pieces become useless
 - C. energy is saved
 - D. shaping becomes difficult
29. Scraps are used for assemblage and construction because they can
- A. pollute the environment
 - B. easily be imported
 - C. be transported easily
 - D. be obtained easily
30. The method used in binding a writing pad is
- A. perfect
 - B. edition
 - C. side stitching
 - D. wire stitching

PART IV

FOR CANDIDATES OFFERING FABRIC AND LEATHER DECORATION

Answer all questions from 26 to 30

26. Which of these articles can be made with the smallest piece of leather?
- A. Belt
 - B. Bracelet
 - C. Footwear
 - D. Wallet
27. Goat skin is also known as
- A. chamois
 - B. hide
 - C. kip
 - D. morocco
28. Dyes obtained from animals are
- A. artificial dyes
 - B. mineral dyes
 - C. protein dyes
 - D. vegetable dyes

29. After tanning, leather becomes
- A. thick
 - B. stiff
 - C. rough
 - D. flexible
30. Which of the following techniques describes printing made from cocoyam cut designs?
- A. Stamping
 - B. Spraying
 - C. Doodling
 - D. Dabbing

END OF PAPER

June 2014

**BASIC DESIGN AND TECHNOLOGY 2
(Visual Art 2)**

Essay

1 hour 55 minutes

**SECTION A
(CORE SKILLS)**

[20 marks]

Answer question 1 [COMPULSORY]

1. (a) State the **main** method for cooking the following foods:

(i) rice

(ii) cake

(b) State **four** suitable methods for preserving fish.

.....
.....
.....
.....

(c) (i) List the type of pencil **most** suitable for the following operations:

OPERATION	PENCIL USED
Lettering	
Drawing outlines	
Shading	

(ii) List **four** methods of recording data for solving design problems.

.....
.....
.....
.....

(d) (i) State **three** benefits of packaging.

.....
.....

.....
.....

(ii) List **two** important information on a good package

.....
.....

(e) Draw a line to illustrate **each** of the following:

(i) movement

(ii) texture.

MOVEMENT	TEXTURE

2. (a) Explain the term *design* as applied in Visual Communication.

.....
.....
.....
.....

(b) (i) Name the **two** major formats used in layout design

.....
.....
.....
.....

(ii) Draw **two** oranges and a jug in the space provided below.



(c) List **five** Visual Communication items used in advertising.

.....
.....
.....
.....

(d) (i) State any **three** principles of design

.....
.....
.....
.....

(ii) State **five** techniques used in making pictures

SECTION B

[25 marks]

PART 1

WEAVING AND STITCHING

Answer one question only

3. (a) State **four** reasons for studying weaving and stitching.

.....
.....
.....
.....

(b) Fill in the blank spaces with words listed below to complete the passage on weaving and stitching

mats, loom, time, materials, articles, thread, practised, clothing, off-loom, twigs, weaving.

The art of weaving and stitching has beenby man for a long When man felt the need forand containers, he usedlike sticks,leaves, hides and skins. He madelike clothinghats and many more. All these are classified asitems. In later development,were used for

(c) Give **five** examples of woven articles.

(i)

(ii)

(iii)

(iv)

(v)

(d) Name the two yarns used for weaving a plain weave.

(i) (ii)

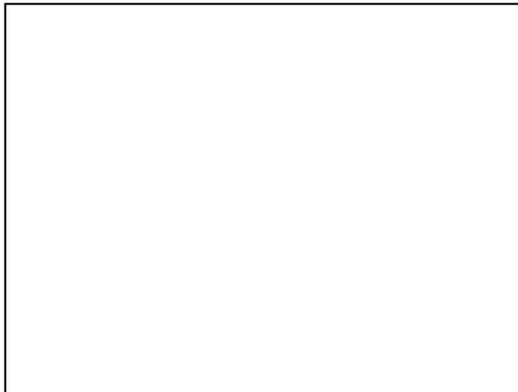
4. (a) Complete the passage on the processing of corn shuck by filling in the blank spaces with the words provided.

wrapper, ropes, pulled, twisting, dried, splitting.

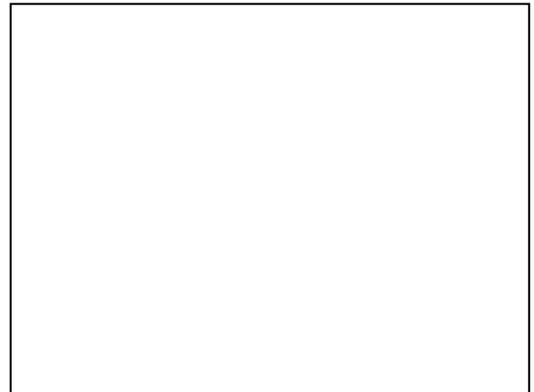
Corn shuck is harvested andoff the cob. It is thenout and trimmed.

At this stage, it can be used as food.....It can further be processed byfor makingThe technique used in rope making is

(b) In the spaces provided, draw the following tools;



(ii) Pair of scissors



(i) Needle

(iii) State **one** use of **each** tool drawn in 4(b)(i) and (ii)

Pair of scissors:

Needle:

(iv) State **two** ways of maintaining a pair of scissors.

.....
.....
.....
.....

(c) In the table below, list a product of weaving and stitching and state one material used in making it.

Process	Product / Article	Material
Stitching	Appliqué	Fabric
Knotting		
Plaiting		
Interlacing		
Weaving		

(d) List any **three** vocations in Weaving and Stitching

.....

.....

.....

.....

PART II
MODELLING, CASTING AND CARVING

Answer one question only

3. (a) Explain the following terms:

Coiling:

.....

.....

Pinching

.....

.....

Carving:

.....

.....

Casting:

.....

.....

Modelling:

.....

.....

(b) (i) Match the following artefacts to their appropriate parts.

Foot, Armature, Spout

<i>Artefact</i>	<i>Part</i>
Sculpture	
Tea pot	

Bowl	
------	--

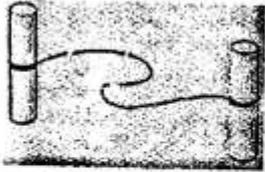
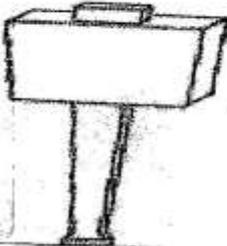
(ii) At what state can clay be used for modelling?

.....

(iii) What material is heated to produce plaster of paris?

.....

(c) Identify and give the function of **each** of the tools illustrated

Illustration	Tool	Function
		
		
		

(d) In **four** steps, describe how clay is prepared for modelling.

- (i)
- (ii)
- (iii).....
- (iv).....

4. (a) Fill the blank spaces with the words listed below to complete the passage on Modelling, Carving and Casting
experimental, industrial, clay, casting, shelter, methods, containers, times, roof, modelling

Modelling, carving andhave existed since ancient
Man realized the need forin order to have a
over his head. He had to use mud andThe

process he adopted wasHe needed utensils and
.....so heand came out with
.....like casting and carving. Today, most household and
.....items are produced by these processes.

(b) (i) The two main rocks that produce clay are feldspar and

(ii) List the **two main** types of clay.
..... and

(iii) What is the colour of clay when fired?
.....

(c) (i) State **two** visual qualities of wood for carving.
.....
.....

(d) (i) List any **three** items produced by Modelling, Casting and Carving.
.....
.....
.....

(ii) List **one** tool and **one** material used for casting
Tool:
Material:

(iii) List **two** tools suitable for modelling.
.....
.....

PART III
CONSTRUCTION AND ASSEMBLAGE

Answer one question only

3. (a) (i) In the space provided below, make a sketch of a toy truck.



(ii) State and describe **two** methods of decorating a toy truck that has been constructed.
.....
.....
.....
.....

(b) (i) What is bookbinding?
.....
.....
.....

(ii) In **five** steps, describe how to bind a single section book by sewing.
.....
.....
.....
.....
.....

(c) List **two** materials that can be used in the construction of a drum.
.....
.....

4. (a) (i) List **three** vocations in Construction and Assemblage
.....
.....
.....
.....

(ii) Give **two** reasons for studying Construction and Assemblage
.....
.....
.....
.....

(b) Describe the following processes in Construction and Assemblage.
(i) Drilling
.....
.....

(ii) Welding
.....
.....

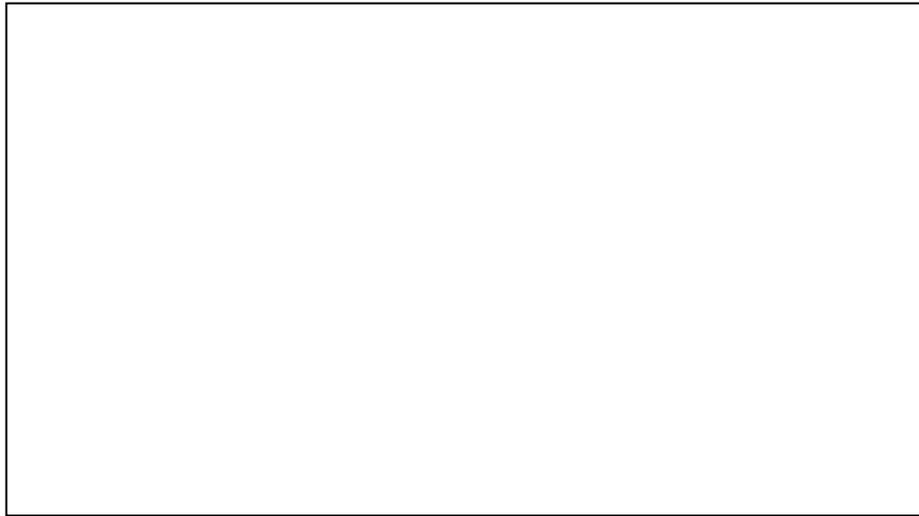
(iii) Filing

.....
.....
(iv) Scraping

.....
.....
(c) (i) What is origami?

.....
.....
(ii) State one use of origami.

.....
.....
(d) (i) In the space provided, draw a book and label the following parts;
spine, cover, head, tail, fore-edge



(ii) List **two** materials that can be used for making the book drawn in 8(d)(i)

.....
.....

PART IV
FABRIC AND LEATHER DECORATION

Answer one question only

3. (a) (i) State any **two** reasons why Fabric and Leather Decoration is studied in school

.....
.....

(ii) Describe the processes listed below
Waxing

.....

Embroidery

.....

Printing

.....

Dyeing

.....

(iii) List any **two** synthetic substances used for dyeing fabrics.

.....

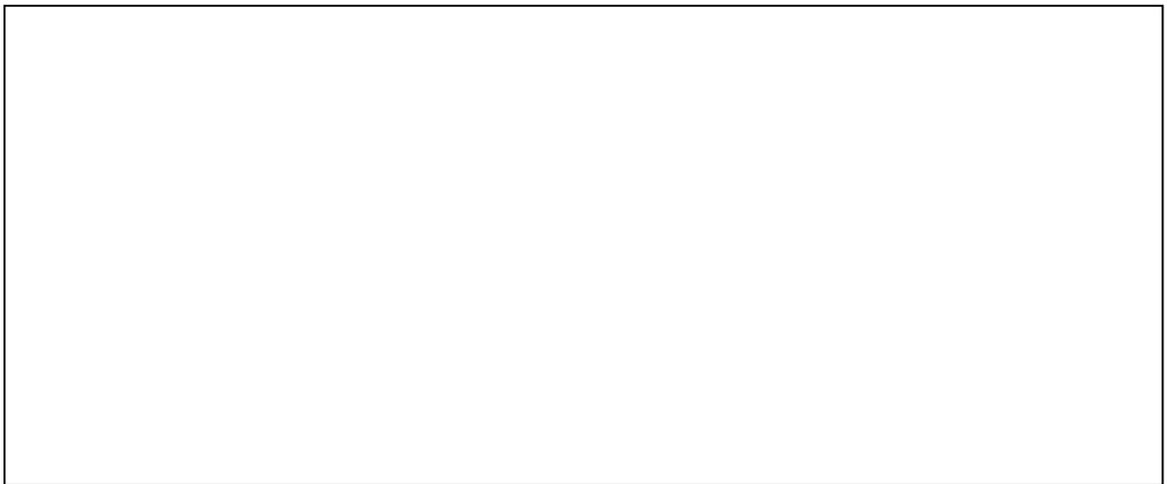
(b) List any **four** items produced in Fabric and Leather Decoration.

.....

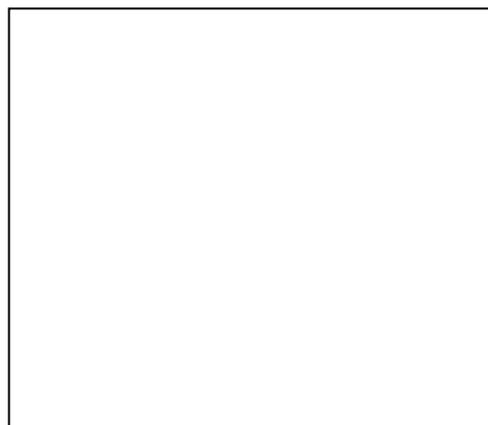
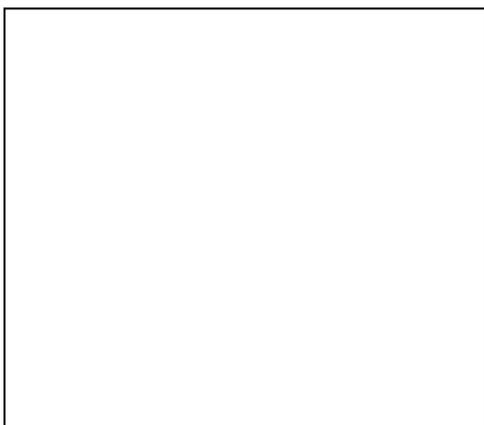
.....

.....

(c) In the space provided below, make a counter change pattern using a leaf motif to repeat six times



4. (a) In the boxes provided below, illustrate two decorative stitches and name them.



(i) (ii)

(iii) List **two** tools and two materials used for decorative stitches

Tools

Materials

(b) State **two** characteristics of **each** of the following materials.

(i) Cotton fabrics

.....
.....

(ii) Linen fabrics

.....
.....

(iii) Leather

.....
.....

(c) (i) The inner side of a piece of leather is the

(ii) The outer side of a sheet of leather is referred to as the

(d) (i) Draw a continuous line to show how a long thong can be cut without any wastage from a circular piece of leather.



(ii) List two uses of a leather thong.

.....
.....
.....
.....

END OF ESSAY TEST