IPS - STUDIO TECHNOLOGY 612/1

1. (a) Colour is what is percieved when waves of light strike the retina of our eyes while texture is a surface quality of a particular object.

OR

Colour is a pygment percieved by the sence of sight while texture is the smoothness or roughness of the surface of an object.

- (b) Function of texture in drawing;
 - It creates interest by patterning for attraction
 - It is used to create mood and feeling
 - It creates contrasts
 - It shows perspective

- It brings out form
- It is used to create space
- Texture creates an illusion of depth and (Any 4x1 = 04marks)distance
- 2. (a) Papier Mache is a work of art made by holding wet papers mixed with wood glue and painted when dry.

Is a light material made from paper pulp and glue which can be hardened and parnted when dry.

(1x1=01 mark)

- (b) Describe the process of making papier mache.
 - Choosing the type of papeir mache e.g. a mask or a sculpture.
 - Selecting technique to use i.e. paper pulp or strips.
 - Developing a concept or source of inspiration i.e. a human being or an animal incase of a sculpture.
 - Acquiring various materials and tools such as new papers.
 - Sketching the idea on the paper to guide you in the process.
 - Start preparing your materials.
 - Mix the papers until they are like soft clay
 - Add wood glue and knead the mixture
 - Add salt to prolong the life span of the material
 - Make an armature
 - Start attaching the mixture onto the armature untill your sculpture is formed.
 - Add details and leave the creation to dry.
 - Finally apply paint and varnish as away of protecting and decorating.

(Any 6x1 = 06marks)

3. (a) Outline three possibilities and three limitations of wood.

Possibilities (Advantages)

- Wood is a durable materials
- wood has a natural glyptic texture
- Wood may not need painting to be altractive.
- Wood is cheap material to access

Limitations (disadvantages)

- Wood can be destroyed by fire.
- It is a hard material which resists the artist while curving forms required.
- It can result into a failure if grains are violated.
- It's not a recyclable material.
- It breaks if not handled with care.
- It can be destroyed by pastes like weevils and wood peckers. (Any 3x1 = 03)
- (b) Describe the three techniques used in preparing wood sculpture.
 - Seasoning is the process by which wood is covered by a rag or cloth and then dried gradually to prevent
 - Wood can be prepared for use by applying oil onto the surface to control its drying speed.

4. (a) Define Collage

Is a decorative artwork made by pasting, glueing or attaching a single or a variety of textural material on a flat surface. OR Is an artwork made by pasting or attaching different and unrelated original materials of a flat surface. (1x1 = 01mark)

It cheap to prepare wood unlike clay

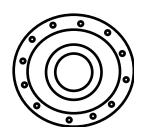
If well handled any texture can be created.

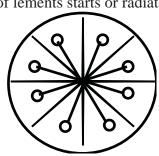
(3x1 = 03 marks)

- (b) Describe the techniques of making collage.
 - Collage has only basic technique and that is pasting or attaching the materials directly onto the surface.
 - However, when using different materials a technique may change ranging from one artist to another.
 - There is assembling or arranging of materials one by one onto a flat surface.
 - Pasting of beads, egg shells and sand.
 - Painting and drawing.
 - Montage and photomontages are techniques related to collage.
- 5. Give six functions of sculpture.
 - Used for aesthetics/beauty and decoration
 - Used as monument i.e. for remembering important persons and events.
 - Spiritual sculpture can be used for strengthening faith and belief.
 - Used for tourist attraction in museums.
 - They are used as sources of income for artists.
 - They are used for communications.
 - For preservation of cultures e.g drums
 - Through sculptures artists convey their messages, feelings and ideas to the public.
 - Are used as home utilities such as motors.
- 6. Give three materials used in patchwork.
 - Piece of plain cloth
 - Threads of different colours

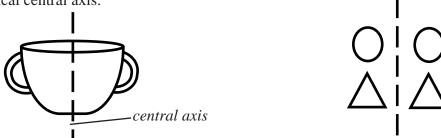
- pieces of new papers.
- Coloured clothes (fabrics) (Any 3x1 = 03 marks)
- 7. Give the procedures of making a photomontage.
 - * Photomontage is a technique related to collage in which photographs are glued whole or cut out parts on to a flat surface.
 - * Procedures:
 - Develop a concept of what could be an area of inspiration.
 - Acquiring various materials and tools such as paper glue, ink.
 - Sketch your idea mon paper to guide you in forming the photomontage.
 - Preoare the plywood and plan to glue the photos into a paint like decorative craft.
 - Apply wood glue onto the surface using a brush or finger
 - Start attaching cut outs from photographs onto a design.
 - Add drawings and patterns such as lines and shapes using ink.
 - Vanish your photomontage as you wich as a way of finishing.
- 8. (a) Distingush between a logo and a badge.
 - A logo is a graphic design/symbol that identifies a product of a specific manufacturer while a badge is a symbol won to show affiriation or membership of a particular group such as school, Club or association.
 - (b) Describe the steps taken when one is designing a badge.
 - Choose the type of a badge e.g school badge
 - Know the name of the school or group
 - Understand the value e.g. what they do/motto
 - Sketching the ideas by thinking creatively
 - Acquire materials and tools and re-sketch
- Transfer the sketch to a new sheet
- Use rulers, compasses and other tools to make your badge neat and apply colours as a way of finishing. (4x1=04)
- 9. Using diagrams explain any two types of balance.

Radial Balance - this is a type of balance whose distribution of lements starts or radiates from the centre.

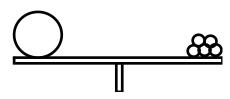




Symmetrical Balance - is a type of balance in which the elements are distributed equally in both sides creating a vertical central axis.



Assymentrical Balance - is a type of balance where there is not vertical central axis in the distribution of the elements of art and design.



Balance not based on Identical Images on both sides

- 10. Outline three techniques used in tie and dye.
 - Stichery (Tritik)
 - Crumpling
 - Gathering
 - Pleating

- Spirals
- Strips
- cicle

END