

MARKER CODE				



STUDENT ENROLMENT NUMBER (SEN)									

TONGA FORM SIX CERTIFICATE 2024 DESIGN TECHNOLOGY

QUESTION AND ANSWER BOOKLET

Time allowed: 2 ½ Hours

INSTRUCTIONS:

1. Write your **Student Enrolment Number (SEN)** on the top right-hand corner of this page.
2. This paper consists of **FIVE MAJOR AREAS**. Each **AREA** is out of 70 weighted scores.
3. Answer **ONLY ONE MAJOR AREA**. **DO NOT** answer ALL THE MAJOR AREAS.

MAJOR AREAS		STRANDS	TOTAL SKILL LEVEL
	Please ✓ choice	OPTIONAL QUESTIONS Choose ONLY ONE (Major 1 – Major 5)	
1		WOOD TECHNOLOGY	70
2		METAL TECHNOLOGY	
3		TECHNICAL GRAPHICS	
4		FOOD TECHNOLOGY	
5		TEXTILE AND GARMENT CONSTRUCTION	
TOTAL			70

4. Answer ALL QUESTIONS in your chosen **Major Area**. Write your answers in the spaces provided in this booklet.
5. Use a **BLUE** or **BLACK** ball point pen only for writing. Use a pencil for drawing if required.
6. If you need more space for answers, ask the supervisor for extra paper. Write your **Student Enrolment Number (SEN)** on each additional sheet, number the questions clearly and insert them in the appropriate places in this booklet.
7. Check that this booklet contain pages **2-63** in the correct order and that none of the pages is blank.

YOU MUST HAND IN THIS BOOKLET TO THE SUPERVISOR BEFORE YOU LEAVE THE EXAMINATION ROOM.

MAJOR AREA 1: WOOD TECHNOLOGY**SECTION A: MATERIALS****MULTIPLE CHOICE**

Circle the letter of the **BEST** answer.

1. Identify which of the following is of a softwood species.

A. Oak
B. Maple
C. Pine
D. Mahogany

Skill level 1	
1	
0	
NR	

2. Hardwood is primarily derived from:

A. Fir
B. Maple
C. Walnut
D. Cherry

Skill level 1	
1	
0	
NR	

3. Hardwood generally

A. is more expensive than softwood
B. is less durable than softwood
C. is more resistant to decay than softwood
D. has a lower density than softwood

Skill level 1	
1	
0	
NR	

4. The best type of hardwood for a student to produce a wooden spoon is:

A. Oak
B. Maple
C. Walnut
D. Mahogany

Skill level 1	
1	
0	
NR	

5. Identify the type of particle board that is generally considered as more durable, fire-resistant, and termite-resistant.

A. Medium-density fiberboard (MDF)
B. Oriented strand board (OSB)
C. Cement-bonded particle board (CBPB)
D. High-density fiberboard (HDF)

Skill level 1	
1	
0	
NR	

6. State why some aircraft components are made of plywood.

A. Plywood is extremely lightweight and strong.
B. Plywood is highly resistant to corrosion.
C. Plywood is easily shaped and molded
D. Plywood is a natural material that is environmentally friendly

Skill level 1	
1	
0	
NR	

SHORT AND LONG ANSWERS

1. Describe **TWO (2)** uses of marine plywood.

Skill level 2	
2	
1	
0	
NR	

2. Describe some common finishes used on hardwood.

Skill level 2	
2	
1	
0	
NR	

3. Outline the purpose of grading timber.

Skill level 2	
2	
1	
0	
NR	

4. Discuss the primary difference between hardwood and softwoods.

Skill level 3	
3	
2	
1	
0	
NR	

5. Explain the difference between green timber and seasoned timber.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Skill level 3	
3	
2	
1	
0	
NR	

6. Discuss some common defects found in softwood, and how they affect its quality and use.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Skill level 3	
3	
2	
1	
0	
NR	

7. Discuss the disadvantages of kiln seasoning.

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook paper. There are no margins, text, or other markings on the page.

Skill level 4	
4	
3	
2	
1	
0	
NR	

SECTION B: TOOLS

MULTIPLE CHOICE

Circle the letter of the **BEST** answer.

1. State the correct name for the hand tool given below.

- A. Sliding bevel
- B. Straight edge
- C. Marking gauge
- D. Smoothing plane



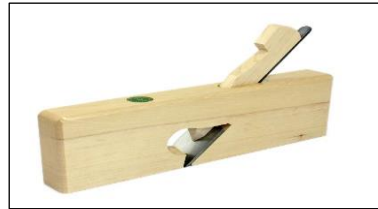
Skill level 1	
1	
0	
NR	

2. From the following images, identify the plane that is most likely a rabbet plane.

A.



C.



B.



D.



Skill level 1	
1	
0	
NR	

3. Power tools:

- A. operates with an electric motor
- B. operates manually used by hand
- C. are used for laying out
- D. operates with fire

Skill level 1	
1	
0	
NR	

4. Identify which of the given tools is not a hand tool:

A.



C.



B.



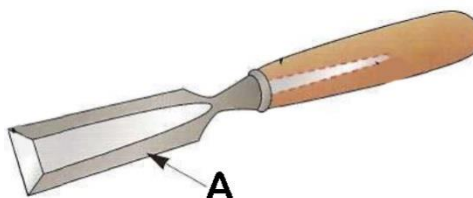
D.



Skill level 1	
1	
0	
NR	

5. State the name of the part with label **A** from the hand tool shown below:

- A. Shock washer
- B. handle
- C. beveled edge
- D. tang



Skill level 1	
1	
0	
NR	

6. State the nature of wood fasteners that are often used to reinforce joints in furniture and cabinetry.
- They last long.
 - They provide a stronger joint.
 - They can be easily removed and replaced.
 - They can be removed by a claw hammer.

Skill level 1	
1	
0	
NR	

SHORT AND LONG ANSWERS

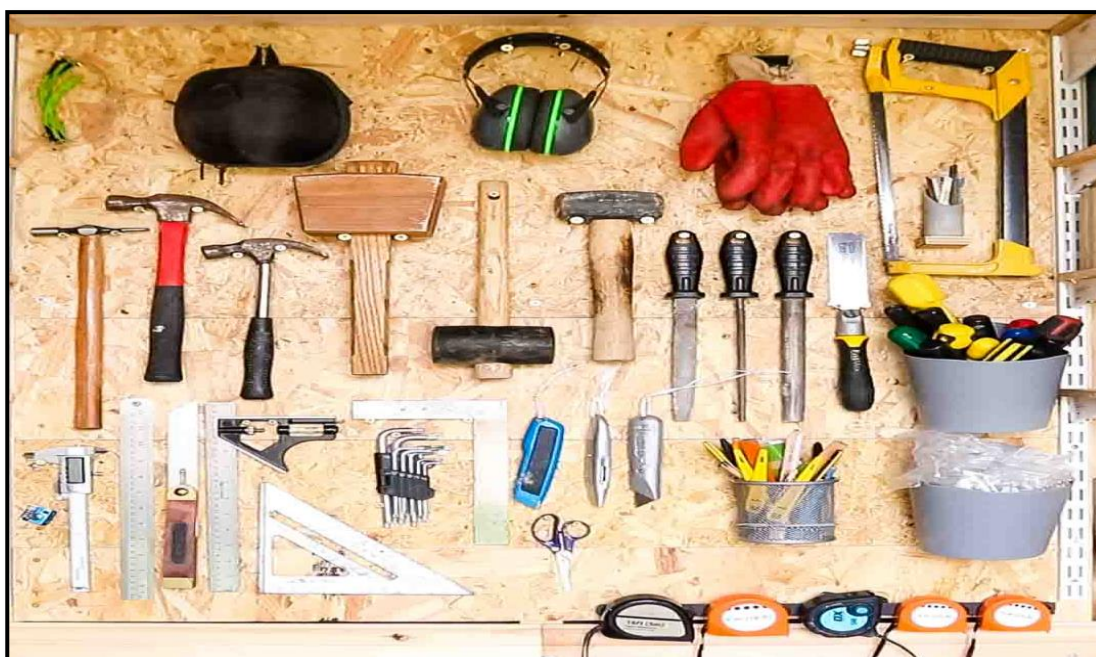
1. Describe the function of a clamp.

Skill level 2	
2	
1	
0	
NR	

2. Describe the primary difference between a mitre joint and a butt joint.

Skill level 2	
2	
1	
0	
NR	

3. Discuss the importance of proper tool storage in a workshop.



- i. Tool longevity

ii. Safety

Skill level 3	
3	
2	
1	
0	
NR	

iii. Efficiency:

4. Clearly explain why dovetail joints is the best for drawer joint are.

Skill level 3	
3	
2	
1	
0	
NR	

SECTION C: DESIGNING

MULTIPLE CHOICE

Circle the letter of the **BEST** answer.

- State which of the following is not a wood fastener.
 - Glue
 - Screw
 - Sealer
 - Nails
- State the primary purpose of varnish.
 - To enhance the natural color of wood
 - To provide a protective coating against scratches and stains
 - To fill in pores and gaps in the wood surface
 - To provide a smooth surface for finishing
- State the first step in investigating a wood problem.
 - Identify the cause
 - Gather information
 - Develop a solution
 - Evaluate the solution
- Give the primary purpose of a design brief.
 - To provide instructions for building a project
 - To define the scope and objectives of a design project
 - To evaluate the success of a design project
 - To document the design process

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

SHORT AND LONG ANSWERS

- Describe **ONE (1)** key significance of the evaluation stage in the design brief process.

Skill level 2	
2	
1	
0	
NR	

- Discuss the research and investigation methods you employed for your independent woodworking project.

Skill level 3	
3	
2	
1	
0	
NR	

-
- This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

- Discuss why it is crucial to reference and analyze previous stages of the design process when working on a project.

Skill level 3	
3	
2	
1	
0	
NR	

MAJOR AREA 2:**METAL TECHNOLOGY****SECTION A: MULTIPLE CHOICE**

Circle the letter of the **BEST** answer.

1. When using power tools in a workshop, identify the most important safety measure to follow.

A. Wear comfortable clothing.
B. Use the tool for its intended purpose.
C. Listen to loud music to stay focused.
D. Work alone to avoid distractions.

Skill level 1	
1	
0	
NR	

2. Identify the tool that is essential for holding hot metal during the forging process.

A. Anvil
B. Hammer
C. Tongs
D. Vise

Skill level 1	
1	
0	
NR	

3. Non-ferrous metals are often used in electrical applications due to their:

A. high strength
B. magnetic properties
C. low melting point
D. good electrical conductivity

Skill level 1	
1	
0	
NR	

4. The ability of metal to be drawn down into wires is known as:

A. Ductility
B. Malleability
C. Hardness
D. Tenacity

Skill level 1	
1	
0	
NR	

5. The primary classification of metals is based on their:

A. Colour
B. Density
C. Iron content
D. Melting point

Skill level 1	
1	
0	
NR	

6. State which of the following is a common safety precaution when using an anvil.

A. Avoid striking the anvil directly with a hammer
B. Used a hammer that is too heavy for the work
C. Work alone without supervision
D. Ignore any warning signs or safety instructions

Skill level 1	
1	
0	
NR	

7. When storing tools in a workshop, it is important to:

A. Leave them everywhere for easy access
B. Store them in a way that prevents damage
C. Leave them out on the workbench for convenience
D. Store them so they are difficult to find

Skill level 1	
1	
0	
NR	

8. To prevent fires in the workshop, it is important to:

A. Store flammable materials outside
B. Properly dispose of oily rags
C. Leave electrical cords plugged in when not in use
D. Ignore safety signs and warnings

Skill level 1	
1	
0	
NR	

9. State the primary purpose of an investigation.

- A. To make decisions
- B. To gather information
- C. To provide entertainment
- D. To solve a problem

Skill level 1	
1	
0	
NR	

10. Identify which of the following statements is incorrect regarding the properties of metals.

- A. Metals are good conductors of heat and electricity.
- B. Metals are generally malleable and ductile.
- C. Metals are usually brittle.
- D. Metals have a metallic luster.

Skill level 1	
1	
0	
NR	

SHORT AND LONG ANSWERS

1. Name a crucial tool for starting a forging project.

Skill level 1	
1	
0	
NR	

2. In the process of igniting an oxy-acetylene torch, state which gas should you initially activate.

Skill level 1	
1	
0	
NR	

3. Identify the distinction between drawing down and upsetting metal.

Skill level 1	
1	
0	
NR	

4. Outline **TWO (2)** safety rules that should be adhered to when operating machinery.

Skill level 2	
2	
1	
0	
NR	

5. Describe **TWO (2)** benefits of organized material storage in a workshop.

Skill level 2	
2	
1	
0	
NR	

6. Describe the **TWO (2)** characteristics of metals that are suited for making pots and pans.

Skill level 2	
2	
1	
0	
NR	

7. Explain the uses of the tools given in the table below.

	TOOLS	USES
A	 Divider	
B	 Angle grinder	
C	 Tin snip	

Skill level 3	
3	
2	
1	
0	
NR	

Skill level 3	
3	
2	
1	
0	
NR	

Skill level 3	
3	
2	
1	
0	
NR	

8. Explain the correct welding procedures when working with an arc welder.

Skill level 3	
3	
2	
1	
0	
NR	

9. Discuss the **THREE (3)** essential precautions to apply when working with oxy-acetylene.

Skill level 3	
3	
2	
1	
0	
NR	

10. Explain **FOUR (4)** of the purposes of applying coatings or treatments to metal.

Skill level 4	
4	
3	
2	
1	
0	
NR	

11. Discuss the **FOUR (4)** main techniques used in metal fabrication.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Skill level 4	
4	
3	
2	
1	
0	
NR	

12. Explain **FOUR (4)** of the benefits of grouping metals into different categories.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Skill level 4	
4	
3	
2	
1	
0	
NR	

SECTION B: DESIGNING

1. Give the definitions of the following terms in design.

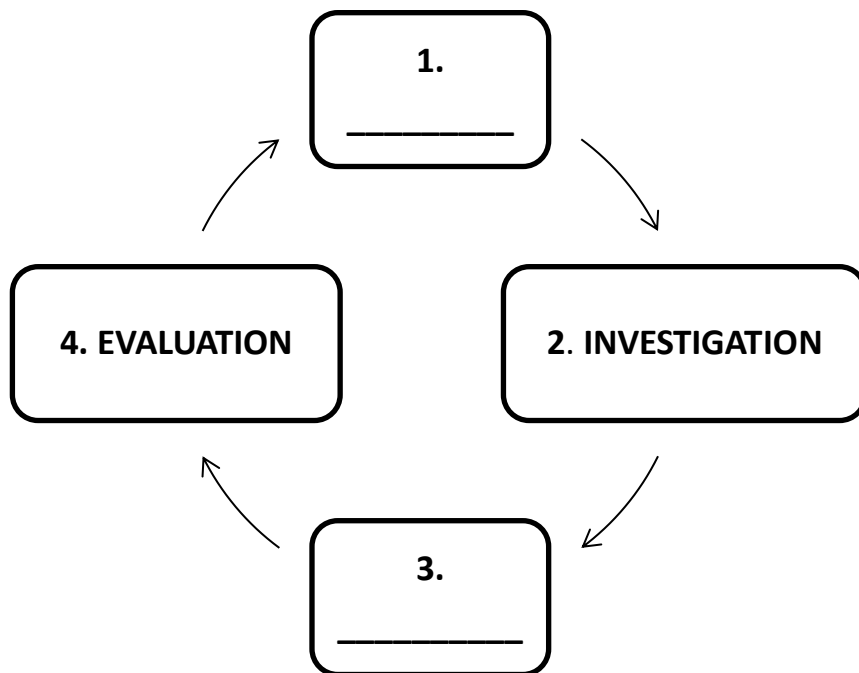
a. Problem:

b. Investigating:

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

2. Complete the table by naming the missing design stages.



Skill level 1	
1	
0	
NR	

3. Outline the **TWO (2)** key goals of the evaluation phase in a design brief.

Skill level 2	
2	
1	
0	
NR	

4. Describe the **TWO (2)** research methodologies you applied in your independent project.

Skill level 2	
2	
1	
0	
NR	

5. Outline the significance of a 'two-way process' in design

Skill level 2	
2	
1	
0	
NR	

6. Discuss the steps taken to investigate the problem for your independent work

Skill level 3	
3	
2	
1	
0	
NR	

7. Discuss the process you used to develop the optimal solution for your project.

Skill level 3	
3	
2	
1	
0	
NR	

-
- This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

- Hint:*
- Did it meet the intended objectives?*
 - How well did it function?*
 - What changes could be made to enhance its performance?*

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MAJOR AREA 3:

TECHNICAL GRAPHICS

SECTION A: MULTIPLE CHOICE

Circle the letter of the **BEST** answer.

1. A book is resting on a table. Identify the forces acting on the book.

A. Gravity and normal force
B. Gravity only
C. Normal force only
D. Gravity and friction

Skill level 1	
1	
0	
NR	

2. State which of the following is NOT a type of pictorial drawing.

A. Isometric
B. Oblique
C. Orthographic
D. Perspective

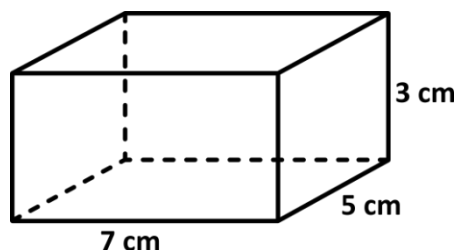
Skill level 1	
1	
0	
NR	

3. State the most commonly used type of lettering for technical drawings:

A. Roman
B. Gothic
C. Cursive
D. Script

Skill level 1	
1	
0	
NR	

4. State the total surface area of the rectangular prism



A. 105 cm^2
B. 142 cm^2
C. 15 cm^2
D. 35 cm^2

Skill level 1	
1	
0	
NR	

5. Identify the symbol for diameter.

A. Δ
B. $\emptyset$
C. Ω
D. $\#$

Skill level 1	
1	
0	
NR	

6. The symbol used to indicate a hidden line in a technical drawing is:

A. _____
B. _____
C. _____
D. _____

Skill level 1	
1	
0	
NR	

7. During the producing stage of a technical drawing project, state the primary focus.

A. Researching and gathering information.
B. Planning and outlining the drawing.
C. Creating and finalizing the drawing.
D. Reviewing and revising the drawing.

Skill level 1	
1	
0	
NR	

8. The line of intersection between a sphere and a plane is always:
- A circle
 - An ellipse
 - A parabola
 - A hyperbola

Skill level 1	
1	
0	
NR	

9. State which of the following lines is used to represent hidden edges in a technical drawing.
- Center line
 - Dimension line
 - Hidden line
 - Section line

Skill level 1	
1	
0	
NR	

10. Identify which of the following symbols is commonly used to represent a triangle in technical drawings.
- Δ
 - $\emptyset$
 - $\S$
 - $\#$

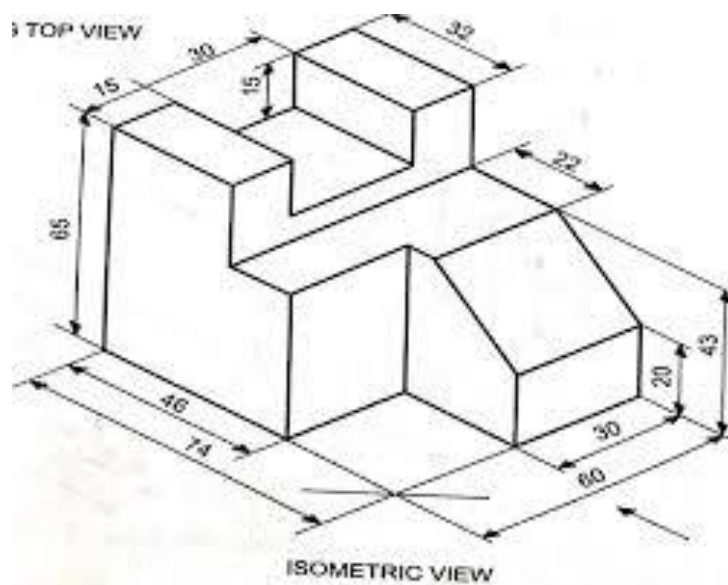
Skill level 1	
1	
0	
NR	

SECTION B: SHORT AND LONG ANSWERS

1. Draw a chain line

Skill level 1	
1	
0	
NR	

2. State the total height of the cutter holder given.



Skill level 1	
1	
0	
NR	

3. State the projection that this drawing symbol show.



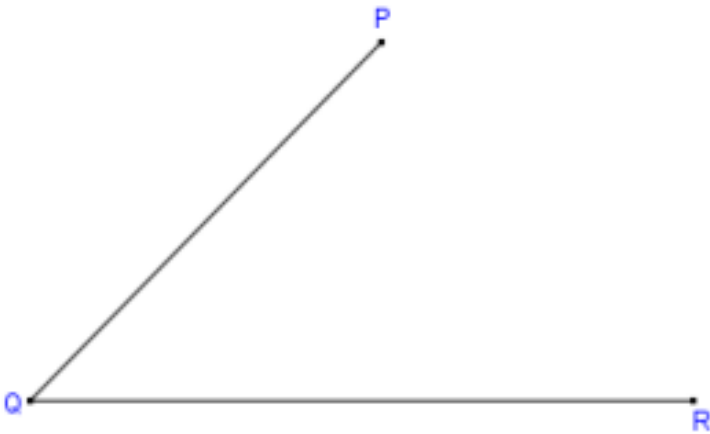
Skill level 1	
1	
0	
NR	

4. Complete the table by describing what type of load and give an example of each.

LOAD	TYPE OF LOAD	EXAMPLE
Wind loads		
Dead loads		

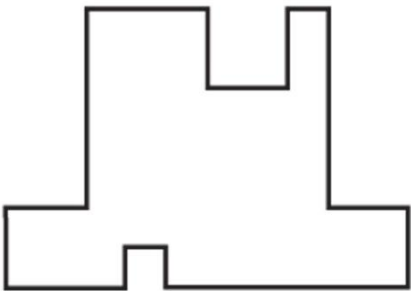
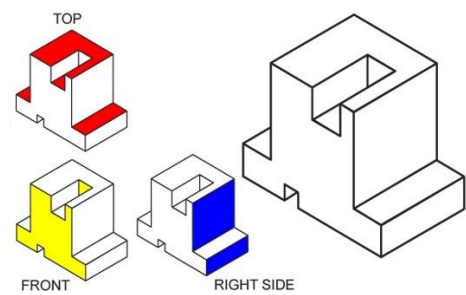
Skill level 2	
2	
1	
0	
NR	

5. Use the drawing instrument to bisect the angle given.



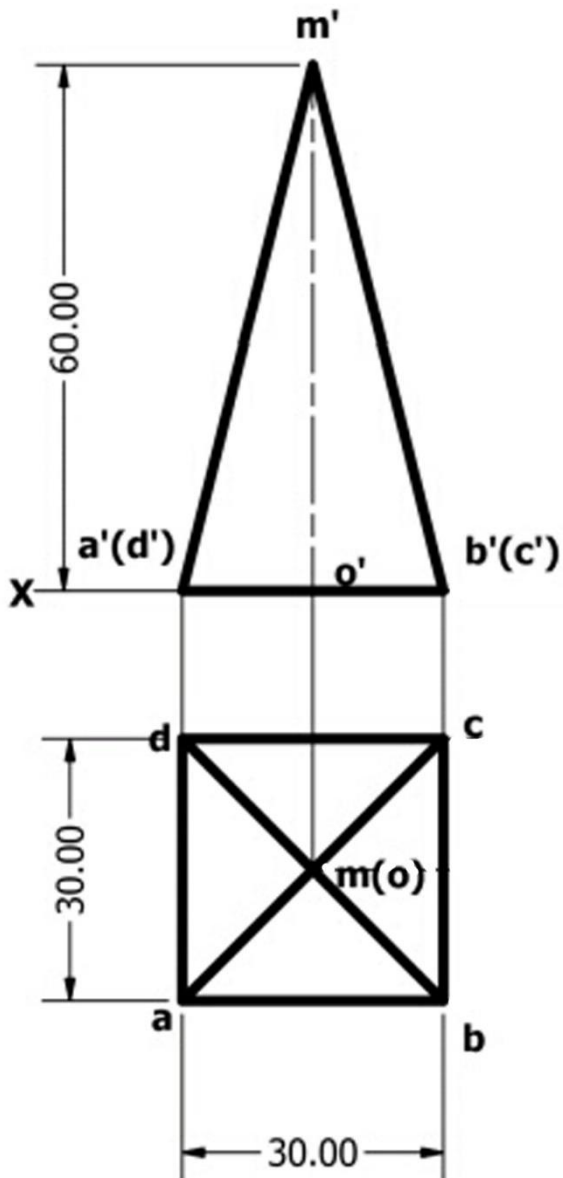
Skill level 2	
2	
1	
0	
NR	

6. Complete the missing lines on the orthographic drawing.



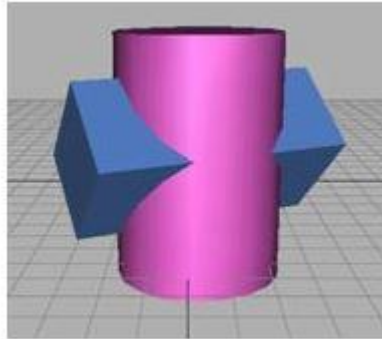
Skill level 2	
2	
1	
0	
NR	

7. A square pyramid with a base edge of 30mm and a height of 60mm rests on one of its base edges on the horizontal plane. The axis of the pyramid is inclined at an angle of 40° to the horizontal plane. Draw the projections of the pyramid, tilting it to the right side.



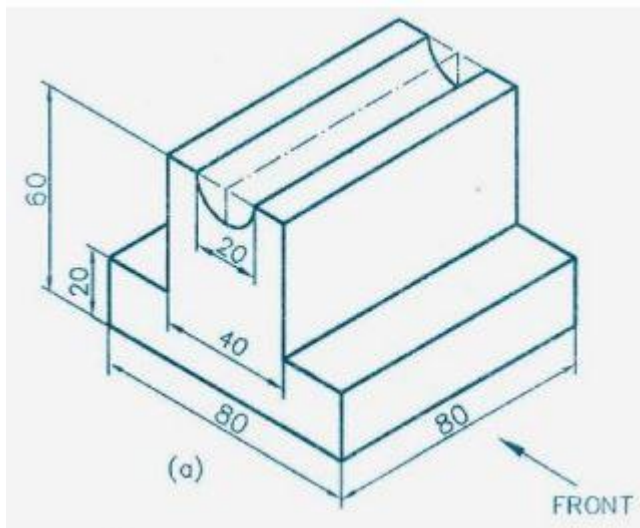
Skill level 3	
3	
2	
1	
0	
NR	

8. A cylinder with a diameter of 50mm and an axis length of 70mm is completely penetrated by a square prism with 25mm side lengths and an axis length of 70mm. The axes of the cylinder and prism intersect and bisect each other horizontally. All faces of the prism are equally inclined to the horizontal plane (HP). Draw projections showing curves of intersections.



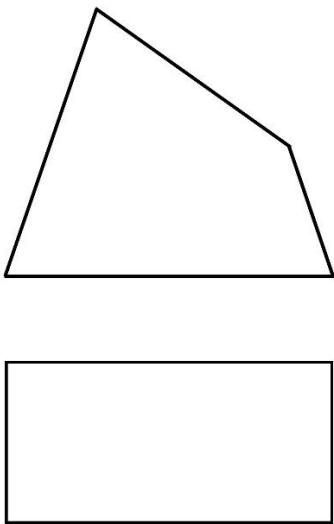
Skill level 3	
3	
2	
1	
0	
NR	

9. Create orthographic views of the given isometric projection drawing. All measurements are in millimeters.



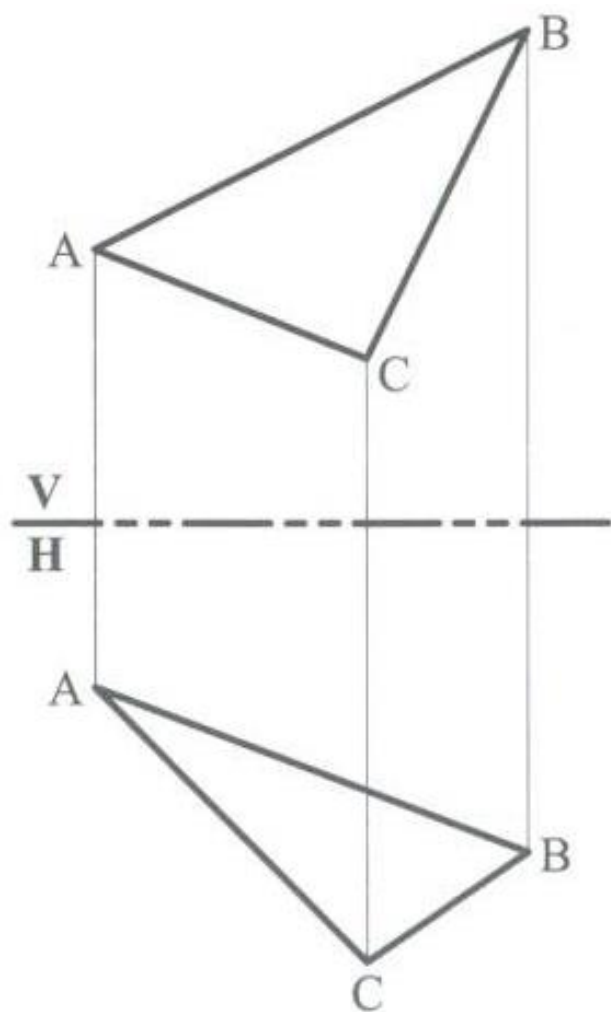
Skill level 3	
3	
2	
1	
0	
NR	

10. Using drawing instruments, complete the top view and create the development of the truncated rectangular pyramid.



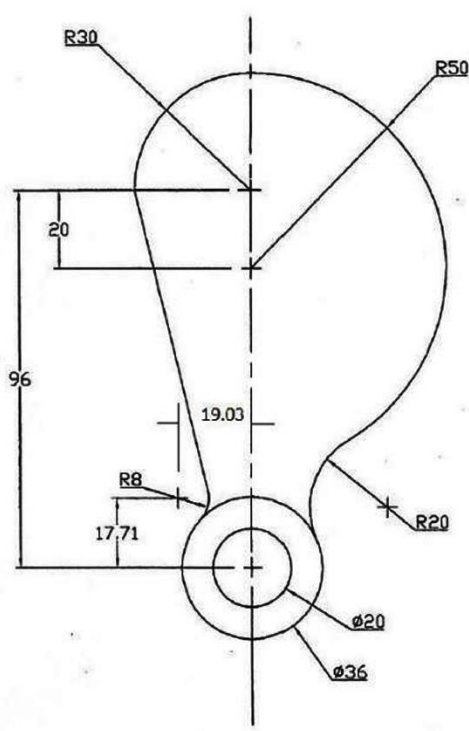
Skill level 3	
3	
2	
1	
0	
NR	

11. The projections of triangle ABC onto the horizontal and vertical planes are given below. Determine the true shape of triangle ABC and its true angle of inclination using any method you prefer.



Skill level 3	
3	
2	
1	
0	
NR	

12. Given a single blade of a ship propeller, redraw the blade to a scale of 1:1, ensuring all measurements are in millimeters. Provide a clear and detailed drawing, including dimensions and labels as necessary.



Skill level 4	
4	
3	
2	
1	
0	
NR	

SECTION C: DESIGNING

1. Define the following terms.

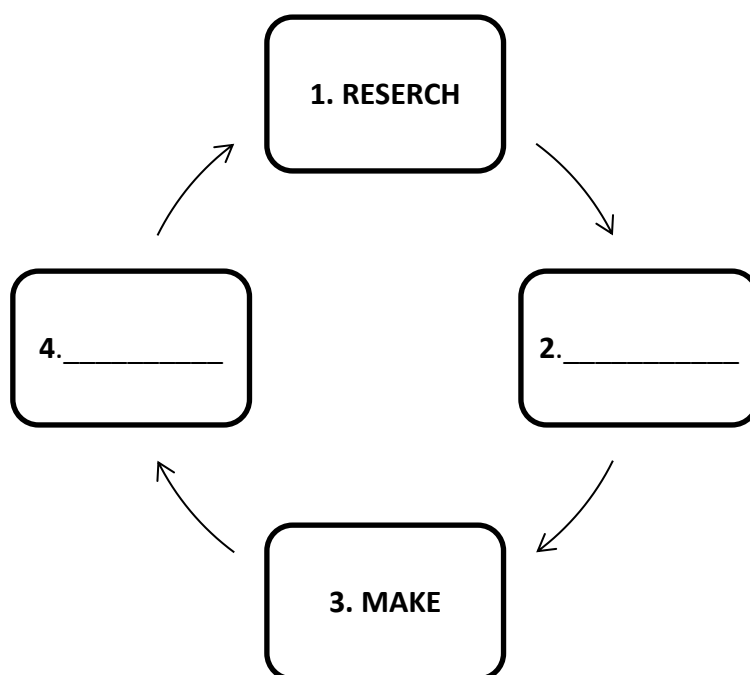
a. Design brief:

b. Investigating:

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

2. Complete the table by naming the missing design stages.



Skill level 1	
1	
0	
NR	

3. Outline **TWO (2)** importance of the evaluation stage of design brief.

Skill level 2	
2	
1	
0	
NR	

4. Describe **TWO (2)** of the methods you used for investigation for your independent project this year.

Skill level 2	
2	
1	
0	
NR	

11. Draw the orthographic views of the given object. Dimensions are in millimeters.

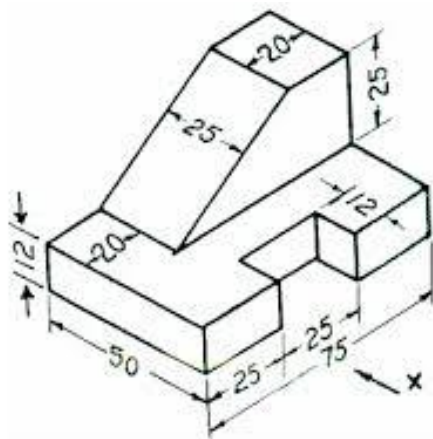
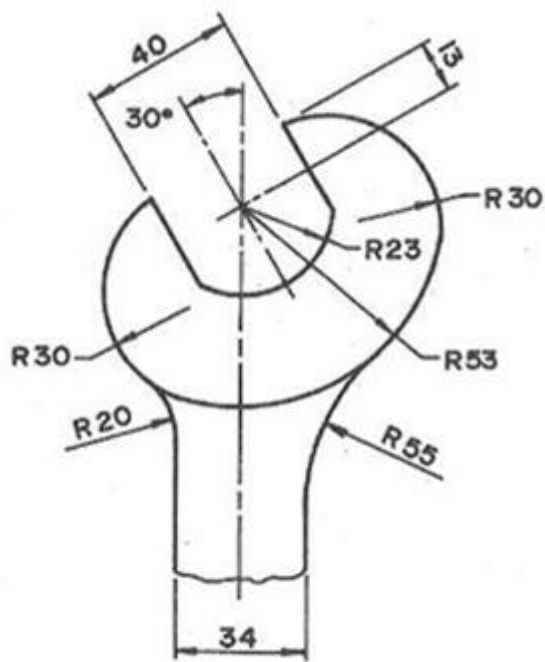


Fig: 1

Skill level 4	
4	
3	
2	
1	
0	
NR	

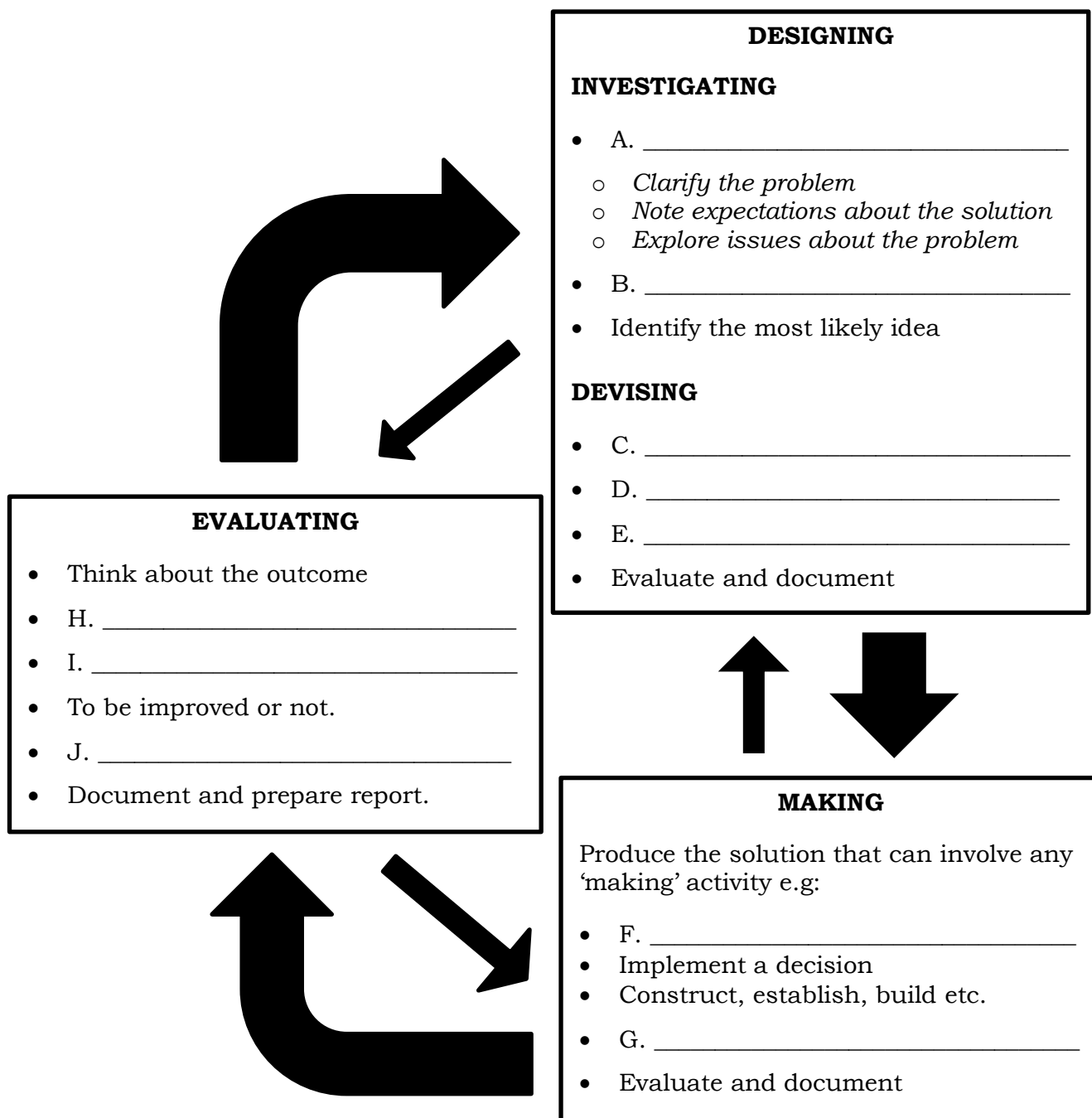
12. Construct a full-scale drawing of the spanner shown below, clearly indicating the centers of the arcs and points of tangency.



Skill level 4	
4	
3	
2	
1	
0	
NR	

MAJOR AREA 4:**FOOD TECHNOLOGY****SECTION A:****QUESTION ONE: DESIGNING**

Complete the missing stages in the Design Process.



Skill Level	A	B	C	D	E	F	G	H	I	J
1										
0										
NR										

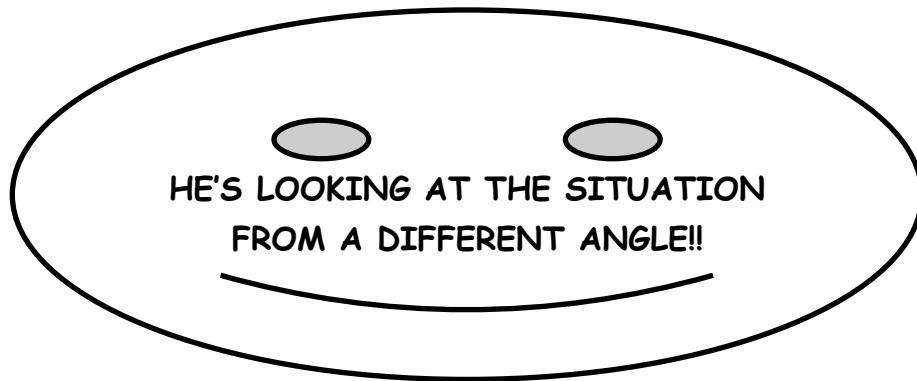
Read the questions carefully and answer them correctly.

-
-
-

Page 40 of 63

6. Every single person sees a design with different ideas and thoughts however, designers are the most different of all.

Explain the statement below in terms of designing/what the designer looks at when he/she looks at a design.

[illegible]

7. Designing is constantly wonderful when applying design principles and elements.

Rhythm in design is the feeling of movement created by line, shape or colour.

Design an **object** or a **product** using **REPETITION** for an interest of a client.

Skill level 3	
3	
2	
1	
0	
NR	

SECTION B: FOOD TECHNOLOGY QUESTIONS

QUESTION ONE: NUTRIENTS AND HEALTH

Read the questions carefully and answer them correctly.

1. Name the Macronutrient that we need for energy and body building.

Skill level 1	
1	
0	
NR	

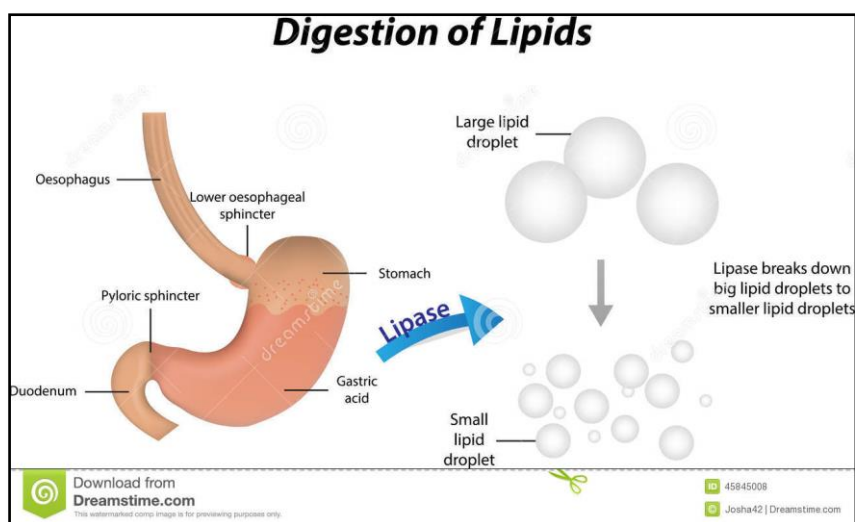
2. Describe what happens if the epiglottis does not close over during swallowing in the digestive system.

Skill level 2	
2	
1	
0	
NR	

3. Making good choices of food is the foundation of good health.
Explain how poorly nourished children can have **“Dental carries and unhealthy gums”**.

Skill level 3	
3	
2	
1	
0	
NR	

4. Explain the Digestion of Lipids in our body.

[illegible]

Skill level 3	
3	
2	
1	
0	
NR	

5. Explain the importance of **Indigestible Carbohydrates** in our body.

[illegible]

Skill level 3	
3	
2	
1	
0	
NR	

QUESTION TWO: FOOD SAFETY AND FOOD QUALITY

Read the questions carefully and answer them correctly.

1. Define **Foodborne Illness**.

Skill level 1	
1	
0	
NR	

2. State the factor that influences food spoilage.

Skill level 1	
1	
0	
NR	

3. Discuss ‘**Personal Hygienic Practices**’ that you must have as a Chef at any Food Department.

Skill level 3	
3	
2	
1	
0	
NR	

4. The Refrigerator has ‘zones’ of cold. One of the Facts about refrigeration is – ***“In the freezer compartment evaporation takes places and this causes cooling.”***
Explain some more useful **facts** about Refrigeration.

Skill level 3	
3	
2	
1	
0	
NR	

QUESTION THREE: FOOD PLANNING AND PRODUCT DEVELOPMENT

Read the questions carefully and answer them correctly.

1. Identify the “**Accuracy of the Menu**”.

Skill level 1	
1	
0	
NR	

2. Define **Balanced Diet**.

Skill level 1	
1	
0	
NR	

3. Planning a meal for babies is exceptionally significant. ***Breast milk has the ideal composition for a newborn baby’s food.*** Describe the significance of the first 3 days meal of babies.

Skill level 2	
2	
1	
0	
NR	

4. Describe a factor that influences Meal Planning.

Skill level 2	
2	
1	
0	
NR	

6. Explain the safe food practices of handling and storing this **Potato Salad**.

Potato Salad



[https://www.bing.com/images/potato salad - Search \(bing.com\)](https://www.bing.com/images/potato+salad)

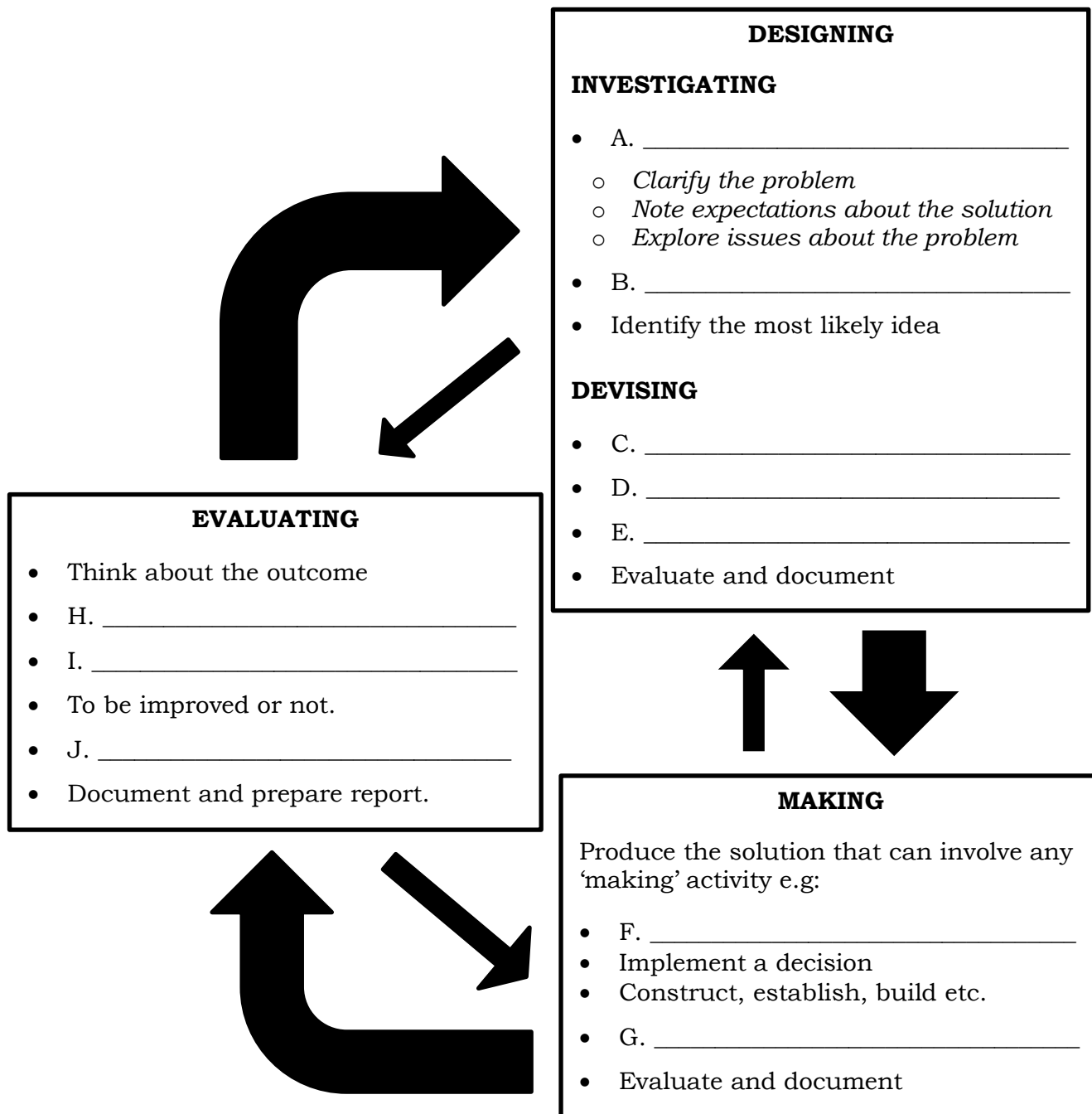
This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

MAJOR AREA 5:

TEXTILE AND GARMENT CONSTRUCTION

QUESTION ONE: DESIGNING

Complete the missing stages in the Design Process.



Skill Level	A	B	C	D	E	F	G	H	I	J
1										
0										
NR										

QUESTION TWO: DESIGN UNDERSTANDING

Read the questions carefully and answer them correctly.

1. Define the term **design brief**.

Skill level 1	
1	
0	
NR	

2. You are asked whether designing and problem-solving are the same. Describe the reason for your answer.

Skill level 2	
2	
1	
0	
NR	

3. You have been asked to develop a design for a product that is required by your School Principal.

Outline the factors you would consider when preparing a research proposal.

Skill level 2	
2	
1	
0	
NR	

4. Describe the importance of **modifying a design** while the process is in progress.

Skill level 2	
2	
1	
0	
NR	

5. Distinguish any **designing or constructing enterprises** between the **purpose** of using **large arrows** and **small arrows** in the design process.

Skill level 3	
3	
2	
1	
0	
NR	

QUESTION ONE: Principles of Structural and Decorative Design.

1. Identify the proper fabric to wear in the **Winter Season**.

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

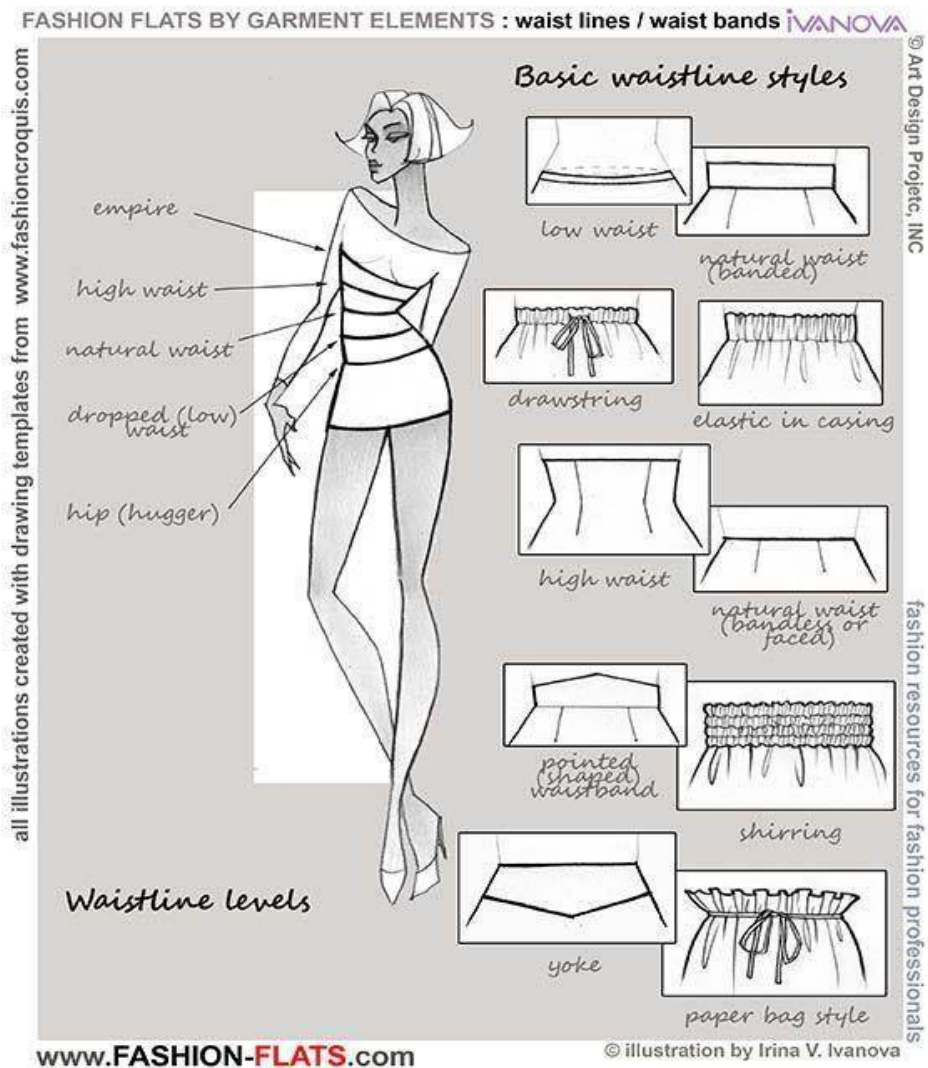
Skill level 2	
2	
1	
0	
NR	

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Skill level 3	
3	
2	
1	
0	
NR	

5. Explain how design is used to emphasize this body feature.

“Slim Waistline”



Skill level 3	
3	
2	
1	
0	
NR	

QUESTION TWO: Selection of Fabric and Construction Techniques

Read the questions carefully and answer them correctly.

1. Identify how to launder this garment.

Nylon Jacket for Men



forcesjackets.com

Skill level 1	
1	
0	
NR	

2. Name the type of button shown below.



Skill level 1	
1	
0	
NR	

3. Describe how to sew “Gathering Stitches” when tailoring.



Skill level 2	
2	
1	
0	
NR	

4. Compare the prices of Ready-made Sulu and Home-made Sulu.

6. Evaluate in terms of the fabric selection and construction together with your own opinion the extract below.

Secondary School Boys in Tonga should no longer wear ta'ovala as in school uniform every day. This is because the Lou'akau [pandanus] cannot always cling together with the fabrics of both the shirt and sulu including the edging material of various school colours.



QUESTION THREE: Sewing Machine

Read the questions carefully and answer them correctly.

1. State a good place for storing a Sewing Machine.

Skill level 1	
1	
0	
NR	

2. Describe the function of “feed dog” in sewing.

Skill level 2	
2	
1	
0	
NR	

3. Explain the importance of having an Over-locker when sewing.



Skill level 3	
3	
2	
1	
0	
NR	

6. Justify the importance of knowing how to appropriately and competently use a sewing machine when making a garment to meet a client's needs and expectations in relation to the quotes below.

“NEVER UNDERESTIMATE THE POWER OF A WOMAN WITH A SEWING MACHINE THAT ALSO SATISFIES THE PRINCIPLES AND ELEMENTS OF DESIGN NEEDED BY WEARER”.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Skill level 4	
4	
3	
2	
1	
0	
NR	