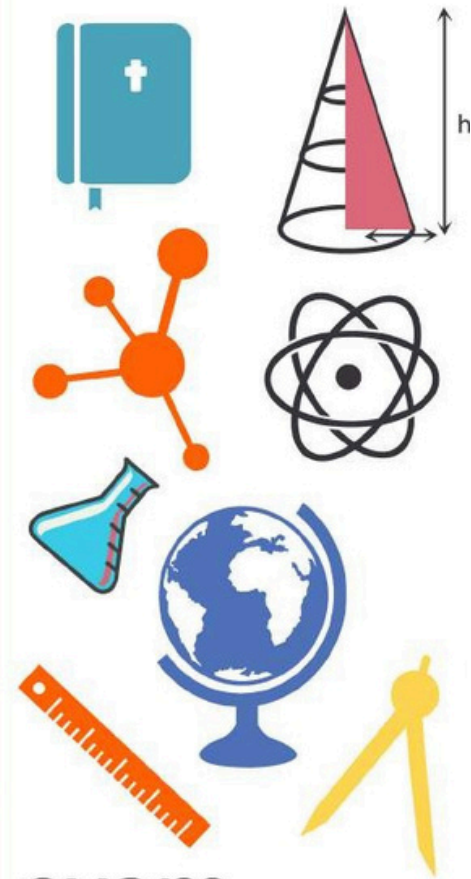




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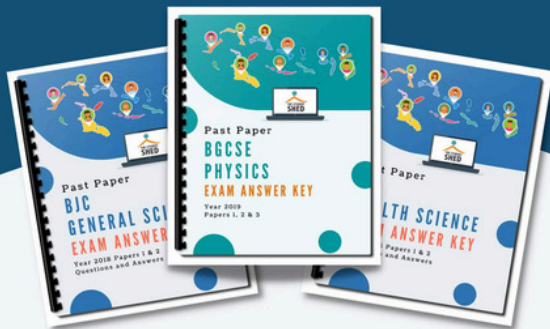
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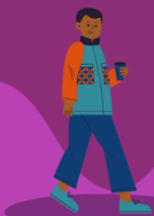
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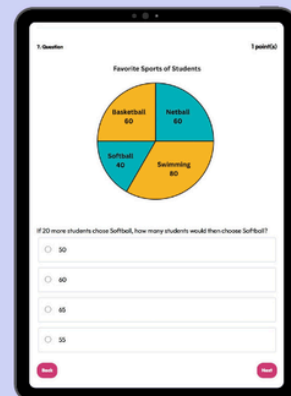
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FOR EXAMINERS' USE ONLY		
SECTION A MARKS		
1	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	29
10	20	30

SECTION B	
1	
2	
3	
4	
SECTION C	
1	
COURSEWORK	
1	3
2	
TOTAL MARKS =	

SCHOOL No.	CANDIDATE No.
INITIALS	SURNAME

MINISTRY OF EDUCATION BAHAMAS JUNIOR CERTIFICATE EXAMINATION 2025

0067/1 TECHNICAL DRAWING

PAPER 1

Wednesday **4 June 2025** 9:00 A.M.–11:00 A.M.

INSTRUCTIONS TO CANDIDATES:

Do not open this booklet until you are told to do so.

Write your school number, candidate number and name in the spaces provided.

You must attempt **ALL** sections of this booklet and you **MUST** use a pencil and **NOT** a pen.

Construction work in Geometry should be shown clearly for the solution of each problem.

Hidden details must be shown unless otherwise specified in the question.

The number of marks available for each question is shown in brackets [] at the end of each question or part question.

SECTION A – Attempt **ALL** questions. Put a tick in the box of the correct answer. You are advised to spend no more than 30 minutes on this section.

SECTION B – Attempt **ALL** questions in the spaces provided.

SECTION C – Attempt this question on the folded sheet of paper provided in the booklet.

This question paper consists of **12** printed pages, **2** blank pages and **1** fold-out.

SECTION A

MULTIPLE CHOICE
(30 Marks)

INSTRUCTIONS:

Please read each statement or question carefully, then tick the box of the correct answer.

Using **Figure 1** below answer **QUESTIONS 1–5**.

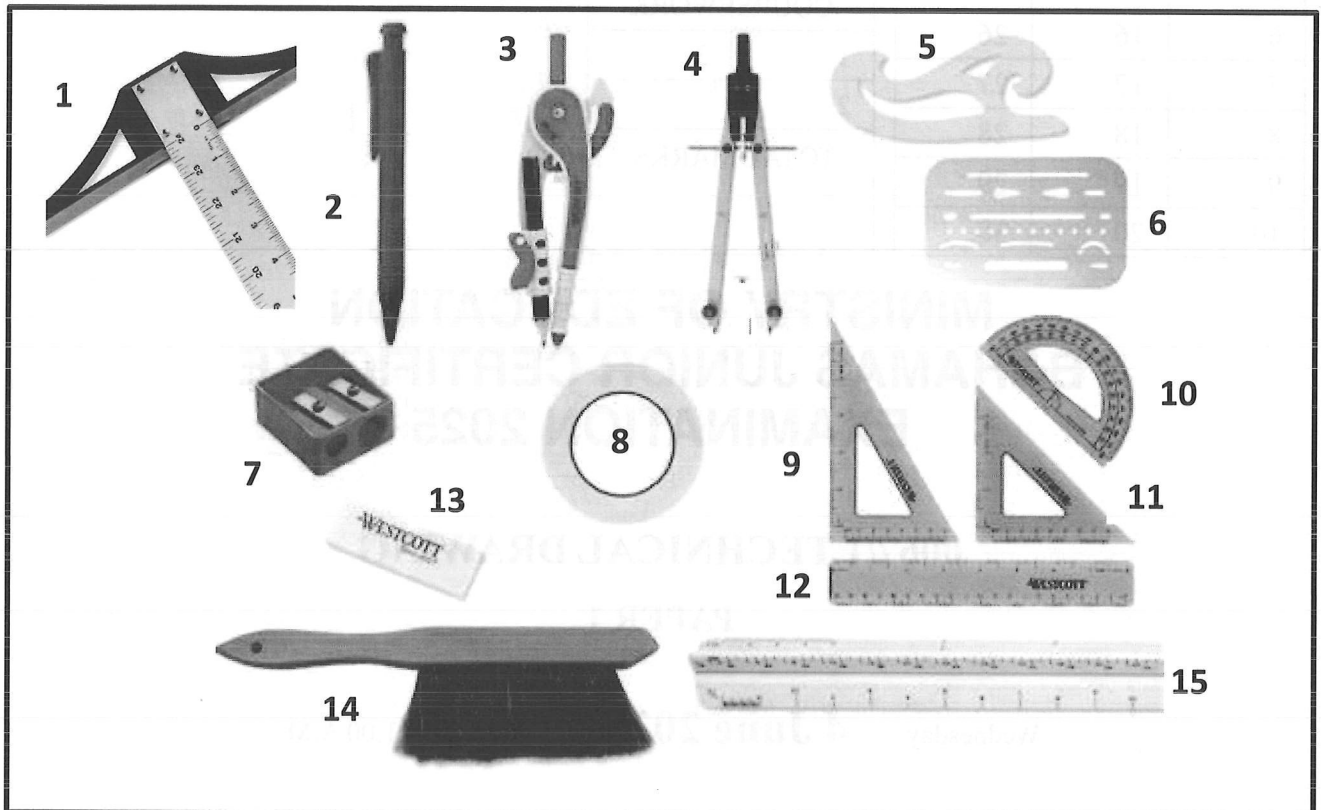


Figure 1

1. Which **number** in **Figure 1** is a Tee-Square?

- (A) ☐ 1
- (B) ☐ 9
- (C) ☐ 11
- (D) ☐ 14

2. Which **number** in **Figure 1** is a Divider?

- (A) ☐ 2
- (B) ☐ 3
- (C) ☐ 4
- (D) ☐ 6

3. Which **number** in **Figure 1** is a French Curve?

- (A) ☐ 5
- (B) ☐ 6
- (C) ☐ 10
- (D) ☐ 15

4. Which **number** in **Figure 1** is a Protractor?

- (A) ☐ 1
- (B) ☐ 5
- (C) ☐ 6
- (D) ☐ 10

5. Which **number** in **Figure 1** is a Ruler?

- (A) ☐ 1
- (B) ☐ 6
- (C) ☐ 12
- (D) ☐ 15

6. When dimensioning a drawing the measurement should be placed _____ the dimension lines and _____.

- (A) ☐ Above, centred
- (B) ☐ Above, right
- (C) ☐ Below, centred
- (D) ☐ Below, left

7. The drawing scale 2:1 means to draw the figure:

- (A) ☐ Double Size
 (B) ☐ Full Size
 (C) ☐ Half Size
 (D) ☐ Quarter Size

8. Besides angles 30° and 60° , what other angle can be drawn with the $30^\circ/60^\circ$ set square edges?

- (A) ☐ 45°
 (B) ☐ 75°
 (C) ☐ 90°
 (D) ☐ 120°

9. In **Figure 2**, what paper size is $11" \times 17"$ and used for coursework?

- (A) ☐ A1
 (B) ☐ A2
 (C) ☐ A3
 (D) ☐ A4

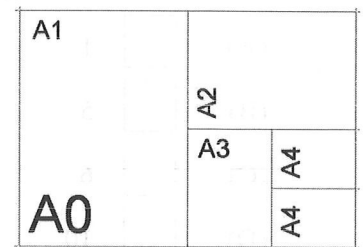


Figure 2

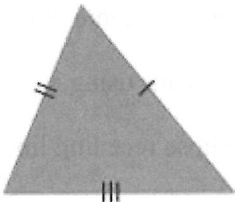
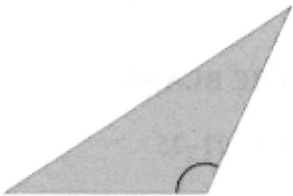
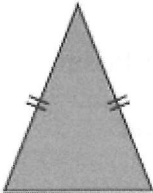
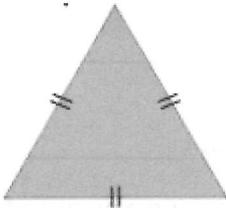
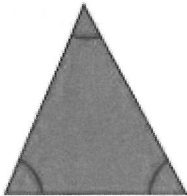
10. Lettering in technical drawings require _____ to keep them uniformly.

- (A) ☐ Border lines
 (B) ☐ Construction lines
 (C) ☐ Guide lines
 (D) ☐ Hidden lines

MATCHING

Questions 11–15

Match the Triangles in column A with the names in column B. Write the letter of the correct answer on the line provided in the answer column.

ANSWER COLUMN	Q #	COLUMN A	COLUMN B
_____ [1]	11.		(A) ACUTE
_____ [1]	12.		(B) EQUILATERAL
_____ [1]	13.		(C) ISOSCELES
_____ [1]	14.		(D) OBTUSE
_____ [1]	15.		(E) REFLEX
			(F) RIGHT ANGLE
			(G) SCALENE

TRUE/FALSE QUESTIONS

Questions 16–20

Circle “T” if the statement is **True**, or “F” if the statement is **False**.

		True	False	
16.	The compass must be open more than half the line length to bisect a line.	T	F	[1]
17.	A perpendicular is a straight line that forms 60° with another line.	T	F	[1]
18.	Parallel lines are straight lines that intersect each other at some point.	T	F	[1]
19.	Straight lines can be geometrically divided into segments using a compass.	T	F	[1]
20.	Cavalier and Cabinet are both Oblique drawings whose receding lines are drawn at 45° .	T	F	[1]

FILL IN THE BLANKS

Questions 21–25

Use the words in the box below to fill in the blank spaces in the sentences.

Centre Line	Cube	Rectangular Prism	Circle	Diameter
Hidden Line	Ellipse	Perpendicular	Tangent	Chord

21. A _____ is used to show edges, surfaces, and corners which cannot be seen. [1]
22. A domino is a real-life example of a _____ geometrical shape. [1]
23. The shape of an egg can be created by drawing a/an _____. [1]
24. A _____ is a line that touches a curve or curved surface at one point. [1]
25. The radius times two forms the _____ of a circle. [1]

SHORT ANSWERS

Questions 26–27

Print your response clearly.

26. State the difference between the terms Inscribed, and Circumscribed.

[2]

27. Define the term polygon. Give **TWO** examples of a polygon.

[3]

SECTION B**GEOMETRICAL CONSTRUCTION**
(40 Marks)**INSTRUCTIONS:**

Attempt **ALL** questions in the space provided.

Show **ALL** geometrical construction.

ALL measurements are in millimetres.

1. Using the line label **DE** below construct angles 60° , 75° , 90° and 120° .

[7]



2. Construct **THREE** circles using centres **G**, **H**, and **I** given below. Ensure that each circle touches the other two externally. [10]

G

A small black dot representing point G.

H

A small black dot representing point H.

I

A small black dot representing point I.

3. **SKETCH** the front and plan view of **Figure 3** below in Third Angle Orthographic projection. Arrow **F** indicates the front. Show **ALL** Hidden details and Centre lines. [11]

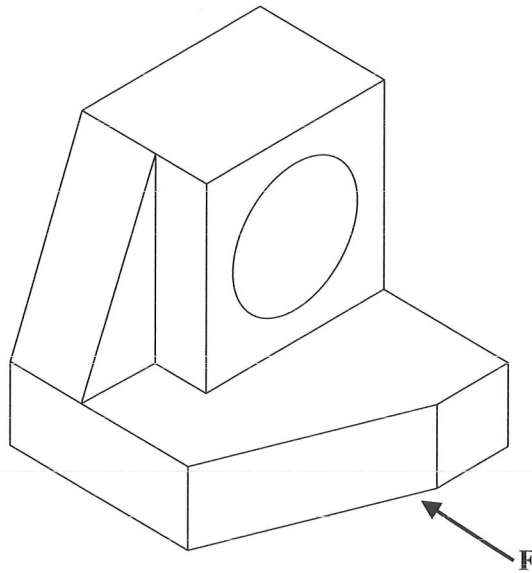


Figure 3

4. **Figure 4** below shows the rim on a cyber truck.

[12]

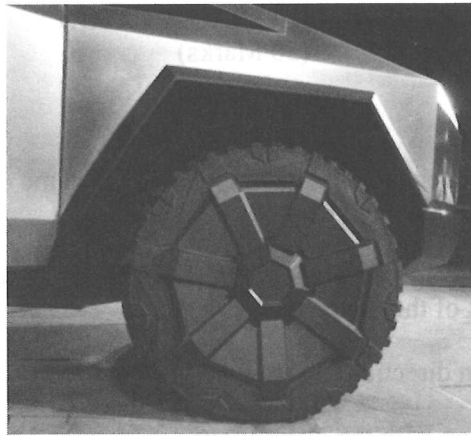


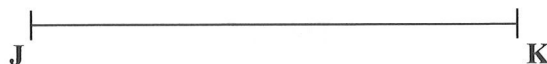
Figure 4

- (a) Identify the geometrical figure at the centre of the wheel cap of the Tesla rim. Write your answer on the line below.

[1]

- (b) Construct the geometrical figure using the line **JK** as the base line.

[11]



SECTION C

ISOMETRIC PROJECTION

(30 Marks)

INSTRUCTIONS:

Print your surname, initials, school number, candidate number, and the name of the drawing in the title block on the sheet provided. The blank sheet is detachable and may be taken off.

1. **Figure 5** shows a pictorial drawing of a **PART**. Draw to a scale of full size, in Third Angle Orthographic Projection, the following views of the Shape Block.
 - (a) A Front View looking in direction of arrow **F**.
 - (b) A Plan View in projection with the Front View.
 - (c) A Left End View looking in the direction of arrow **E** and in projection with the Front View.

NOTE:

Show **SIX (6)** dimensions, including a circular one.

Show all hidden details.

Label each view.

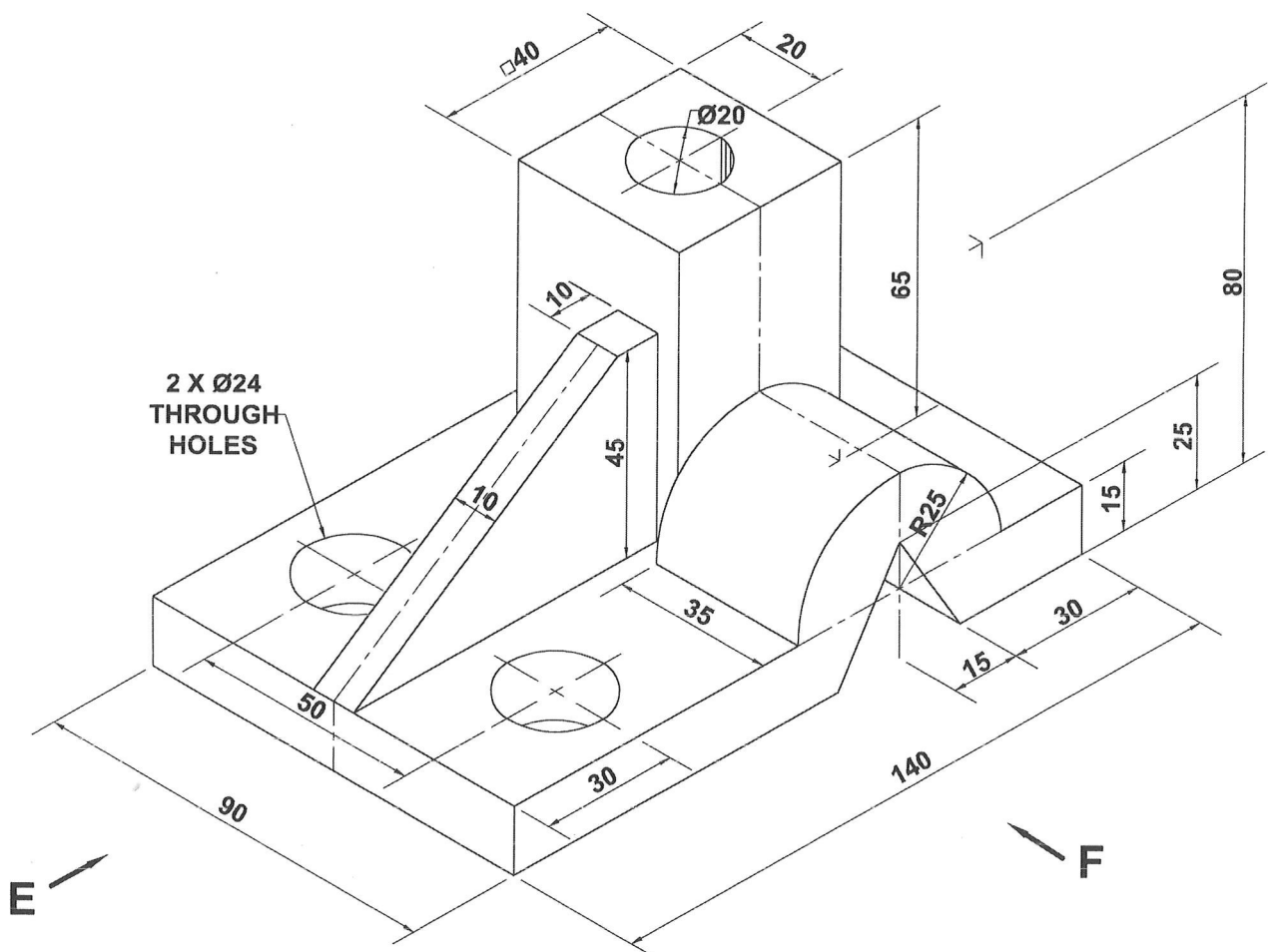


Figure 5

BLANK PAGE

BLANK PAGE

UNFOLD PAGE

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