

2025-2026
S.4 PHYSICS
Syllabus on Half-Yearly Examination

Date: 13.1.2026 (Tuesday)

Time: 8:30 am -10:00 am

Revision material:

- 1. Textbook**
- 2. Worksheet**
- 3. UT Paper**

Exam coverage

Section 1 Heat & Gas

		MC	LQ
Ch.1 Temperature and Thermometer	Temperature-dependent properties Calibration of Thermometer (in Celcius)	4	1
Ch.2 Heat and Internal Energy	Setup of measuring of specific capacity of material difference between the experimental value and the standard valu	4	2
Ch.3 Change of State	Heating Curve and Cooling Curve Latent heat of fusion & vaporization Melting point & boiling point Evaporation	4	2
Ch.4 Heat Transfer	Reduce heat lost by conduction and radiation	4	1

Book 3A Wave motion I

Ch.1 Reflection	Draw the reflection diagram to show the image formed by plan mirror Diffuse reflection and regular reflection	4	1
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Exam paper format (As same as DSE Examination paper 1)

Examination format:

<u>Component</u>	<u>Weighting</u>	<u>No. of Question</u>	<u>Duration</u>
Multiple choice	30%	20Q	90 mins
Structural Questions	70%	7Q	

Stationery: Pen, Pencil, eraser, ruler, calculator.

2025-2026
S.5 PHYSICS
Syllabus on Half-Yearly Examination

Date: 15/1/2026 (Thursday)

Time: 8:30 am -10:30 am

Revision material:

1. Textbook
2. Note Book
3. UT Paper
4. Worksheet

Exam coverage

Section 1 Heat & Gas

	MC	SQ	LQ
Ch.1 Temperature and Thermometer	1	1	
Ch.2 Heat and Internal Energy	1		1
Ch.3 Change of State	1		
Ch.4 Heat Transfer	1		
Ch.5 Gas Law and Kinetic Theory	2	1	

Book 3A Wave motion I

Ch.1 Reflection	1		
Ch.2 Refraction	1		
Ch.3 Lens	1	1	

Book 3A Wave motion I

Ch.4 The nature of Wave	1	1	
Ch.5 The properties of Wave	3		
Ch.6 Light	1	1	1
Ch.7 Sound	2		

Book 5 Radioactivity and Nuclear Energy

Ch.1 Radiation and Radioactivity.	3	1	1
Ch.2 Atomic Structure and Radioactive Decay	3	1	
Ch.3 Nuclear Energy	3		

Exam paper format (As same as DSE Examination paper 1)

MC (25 Qs)

Structural Question (SQ 7Qs LQ 3Qs)

Examination format:

<u>Component</u>	<u>Weighting</u>	<u>No. of Question</u>	<u>Duration</u>
Multiple choice	30%	25Q	120 mins
Structural Questions	70%	10Q	

Examination coverage

S4:S5 = 70%: 30%

Duration: 2hrs

Stationery: Pen, Pencil, eraser, ruler, calculator.