



## BAL BHARATI PUBLIC SCHOOL

### COMMON ANNUAL EXAMINATION (2024-2025) SYLLABUS

CLASS: VIII

SUBJECT: SCIENCE

TEXTBOOKS : 1. Science Textbook for Class -VIII- NCERT Publication

2. Science Exemplar problems for Class -VIII, NCERT publication.

S.NO.	UNIT/CHAPTER /TOPIC	SUBTOPICS	WEIGHTAGE
1.	CH-2 MICROORGANISMS: FRIEND AND FOE	2.1 Microorganisms 2.2 Where do Microorganisms Live? 2.3 Microorganisms and Us 2.4 Harmful Microorganisms 2.5 Food Preservation 2.6 Nitrogen Fixation 2.7 Nitrogen cycle	7
2.	CH-4 COMBUSTION AND FLAME (FROM TERM-1)	4.1 What is Combustion? 4.2 How Do We Control Fire? 4.3 Types of Combustion 4.4 Flame 4.5 Structure of a Flame 4.6 What is a Fuel? 4.7 Fuel Efficiency	4
3.	CH-5 CONSERVATION OF PLANTS AND ANIMALS	5.1 Deforestation and Its Causes 5.2 Consequences of Deforestation 5.3 Conservation of Forest and Wildlife 5.4 Biosphere Reserve 5.5 Flora and Fauna 5.6 Endemic Species 5.7 Wildlife Sanctuary 5.8 National Park 5.9 Red Data Book 5.10 Migration 5.11 Recycling of Paper 5.12 Reforestation	5
4.	CH-6 REPRODUCTION IN ANIMALS (FROM TERM-1)	6.1 Modes of Reproduction 6.2 Sexual Reproduction 6.3 Asexual Reproduction	4
5.	CH-7 REACHING THE AGE OF ADOLESCENCE	7.1 Adolescence and Puberty 7.2 Changes at Puberty 7.3 Secondary Sexual Characters 7.4 Role of Hormones in Initiating Reproductive Function	6

		<p>7.5 Reproductive Phase of Life in Humans  7.6 How is the Sex of the Baby Determined?  7.7 Hormones other than Sex Hormones  7.8 Role of Hormones in Completing the Life History of Insects and Frogs  7.9 Reproductive Health</p>	
6.	<p>CH-8  FORCE AND PRESSURE  (FROM TERM-1)</p>	<p>8.1 Force - A Push or a Pull  8.2 Forces are due to an Interaction  8.3 Exploring Forces  8.4 A Force can Change the State of Motion  8.5 Force can Change the Shape of an Object  8.6 Contact Forces  8.7 Non-contact Forces  8.8 Pressure  8.9 Pressure Exerted by Liquids and Gases  8.10 Atmospheric Pressure</p>	6
7.	<p>CH-10  SOUND  (FROM TERM-1)</p>	<p>10.1 Sound is Produced by a Vibrating Body  10.2 Sound Produced by Humans  10.3 Sound Needs a Medium for Propagation  10.4 We Hear Sound through Our Ears  10.5 Amplitude, Time Period and Frequency of a Vibration  10.6 Audible and Inaudible Sounds  10.7 Noise and Music  10.8 Noise Pollution</p>	6
8.	<p>CH-11  CHEMICAL EFFECTS  OF ELECTRIC  CURRENT</p>	<p>11.1 Do Liquids Conduct Electricity?  11.2 Chemical Effects of Electric Current  11.3 Electroplating</p>	8
9.	<p>CH-12  SOME NATURAL  PHENOMENA</p>	<p>12.1 Lightning  12.2 Charging by Rubbing  12.3 Types of Charges and Their Interaction  12.4 Transfer of Charge  12.5 The Story of Lightning  12.6 Lightning Safety  12.7 Earthquakes</p>	7
10.	<p>CH-13  LIGHT</p>	<p>13.1 What makes Things Visible  13.2 Laws of Reflection  13.3 Regular and Diffused Reflection  13.4 Reflected Light Can be Reflected Again  13.5 Multiple Images  13.6 Sunlight – White or Coloured  13.7 What is inside Our Eyes?  13.8 Care of the Eyes  13.9 Visually Impaired Persons Can Read</p>	7

		and Write 13.10 What is the Braille System?	
			<b>TOTAL MARKS= 60</b>

**NOTE: -**

- The chapters selected from Term 1 in Class VIII Science are foundational, connecting key concepts that support future learning.
- These topics are aligned with the curriculum for higher classes, helping students carry forward relevant knowledge.
- The selection is based on assessment guidelines, with weightage proportionate to the importance of each topic.
- This approach ensures students gain comprehensive insights and retain essential knowledge for subsequent terms and grades.

**THEORY (Pen and Paper Test):60 marks**

**INTERNAL ASSESSMENT:40 marks**