## SYLLABUS BREAK -UP SCIENCE CLASS: VIII [SESSION 2024-25] SUBJECT: SCIENCE

	SUB TOPICS		
CHAPTERS	Pre-Mid Exam	PERIODS	DATE/TIME
Chapter. 1- CROP PRODUCTION AND MANAGEMENT	<ul> <li>1.1 Agricultural Practices.</li> <li>1.2 Basic Practices of Crop Production.</li> <li>1.3 Preparation of soil.</li> <li>1.4 Sowing</li> <li>1.5 Adding manure and fertilizers</li> <li>1.6 Irrigation</li> <li>1.7 Protection from weeds</li> <li>1.8 Harvesting</li> <li>1.9 Storage</li> <li>1.10 Food from animals .</li> </ul>	6	20/04/24 to 18/05/24
Chapter. 8 – FORCE AND PRESSURE.	<ul> <li>8.1 Force a push or a pull</li> <li>8.2 Fours are due to an interaction</li> <li>8.3 Exploring Forces</li> <li>8.4 A Force can change the state of motion</li> <li>8.5 Force can change the shape of an object</li> <li>8.6 Contac forces</li> <li>8.7Non contact forces</li> <li>8.8 Pressure</li> <li>8.9 Pressure exerted by liquids and gases</li> <li>8.10 Atmospheric pressure</li> </ul>	7	
Chapter 3- COAL AND PETROLEUM.	<ul> <li>Inexhaustible and exhaustible natural resources</li> <li>3.1 Coal</li> </ul>		
	Mid Term Exam	3	
Chapter. 2- MICROORGANISMS: FRIEND AND FOE	<ul> <li>2.1 Microorganisms</li> <li>2.2 Where do microorganisms live?</li> <li>2.3 Microorganisms and us</li> <li>2.4 Harmful microorganisms</li> <li>2.5 Food preservation</li> <li>2.6 Nitrogen fixation</li> <li>2.7 Nitrogen cycle</li> </ul>	7	05/07/24 to 31/08/24
Chapter. 3 COAL AND PETROLEUM	<ul> <li>3.2 Petroleum</li> <li>3.3 Natural gas</li> <li>3.4 Some natural resources are limited</li> </ul>	6	

Chapter -9 – FRICTION Chapter -10- SOUND Previous Chapter	<ul> <li>9.1 Force and Friction</li> <li>9.2 Factors affecting friction</li> <li>9.3 Friction a necessary evil</li> <li>9.4 Increasing and reducing friction</li> <li>9.5 Wheels reducing friction</li> <li>9.6 Fluid friction</li> <li>10.1 Sound is producing by a vibrating body</li> <li>10.2 Sound produce by humans</li> <li>10.3 Sound needs a medium for propagation</li> <li>10.4 We hear sound through our ears</li> <li>10.5 Amplitude time period and frequency of a vibration</li> <li>10.6 Audible and Inaudible sounds</li> <li>10.8 Noise pollution</li> </ul>	5	Revision work In September
Chapter. 1- CROP PRODUCTION AND MANAGEMENT	<ul> <li>Inexhaustible and exhaustible natural resources</li> </ul>		
Chapter. 3 COAL AND PETROLEUM	• 3.1 Coal		
	Post Mid Term		
Chapter -6-REPRODUCTION IN ANIMALS.	<ul> <li>6.1 Modes of reproduction</li> <li>6.2 Sexual reproduction</li> <li>6.3 Asexual reproduction</li> </ul>	5	1/10/24 to 31/10/24
Chapter. 4- COMBUSTION AND FLAME	<ul> <li>4.1 Watt is combustion just let me?</li> <li>4.2 how do we control fire ?</li> <li>4.3 Type of combustion</li> <li>4.4 Flame</li> <li>4.5 Structure of a flame</li> <li>4.6 What is a flame ?</li> <li>4.7 Fuel efficiency</li> </ul>	5	Revision in December first
Chapter11- CHEMICAL EFFECTS OF ELECTRIC CURRENT	<ul> <li>11.1 do liquids conduct electricity</li> <li>11.2 chemical effect of electric current</li> <li>11.3 electroplating</li> </ul>	5	week.
Previous chapter.			
Chapter. 2- MICROORGANISMS: FRIEND AND FOE. Chapter 3- COAL AND PETROLEUM.			

		Annual Exam		Nov. / 24 to January 2024
				Revision in February 2024
Chapter -5-CONSERVATION OF	•	5.1 Deforestation and its causes		
PLANTS AND ANIMALS	•	5.2 Consequences of deforestation	5	
	•	5.3 Conservation of forest and wildlife		
	•	5.4 Biosphere reserves		
	•	5.5 Flora and fauna		
		5.6 Endemic species 5.7 Wildlife sanctuary		
	•	5.7 Whenle salicitary 5.8 National Park		
	•	5.9 Red data book		
	•	5.10 Migration		
	•	5.11 Recycling the paper		
	•	5.12 Reforestation		
Chapter -7- REACHING THE AGE	•	7.1 Adolescence and puberty		
OF ADOLESCENCE.	•	7.2 Changes at puberty		
	•	7.3 Secondary sexual characteristics		
	•	7.4 Roll of hormones in initiating	5	
		reproductive function 7.5 Reproductive phase of life in humans	3	
		7.6 how is the sex of a baby determined		
	•	7.74 moons other than sex hormones		
	•	7.8 roll of hormones in completing the life		
		history of insects and frogs		
Chanton 12 SOME NATURAL	•	7.9 Reproductive health		
Chapter -12- SOME NATURAL PHENOMENA.				
	•	12.1 Lightening		
		12.2 Charging by Rubbing 12.3 Types of charges and their		
		interaction		
	•	12.4 transfer of charge		
	•	12.5 The story of lightning	4	
	•	12.6 Lightning safety		
Chapter. 13- LIGHT	•	12.7 Earthquakes		
	•	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	5	
		13.6 Sunlight white or coloured 13.7 What is inside are eyes ?		
	•	13.7 What is inside are eyes : 13.8 Care of eyes		
	•	13.9 Visually impaired person can read		
		and write		

	• 13.10 Watt is the Braille system?		
E <u>XTRA TOPICS</u>	Metal and Non Metal Physical Properties of Metal and Non Metal Uses of Metals and Non Metals	3	
Previous chapters Chapter. 4- COMBUSTION AND FLAME. Chapter -6-REPRODUCTION IN ANIMALS.			

Test Exam	Syllabus	Date
Pre Mid Term	Chapter. 1- CROP PRODUCTION AND MANAGEMENT	26/06/24
	Chapter. 8 – FORCE AND PRESSURE Chapter 3- COAL All Topics	
Mid Term	Chapter. 2- MICROORGANISMS: FRIEND	
	AND FOE Chapter. 3 COAL AND PETROLEU Chapter -9 – FRICTION Chapter -10- SOUND	12/09/24
	Previous Chapter Chapter. 1- CROP PRODUCTION AND MANAGEMENT Chapter. 3 COAL AND PETROLEUM	
Post Mid Term	Chapter -6-REPRODUCTION IN ANIMALS. Chapter. 4- COMBUSTION AND FLAME Chapter11- CHEMICAL EFFECTS OF ELECTRIC CURRENT	05/12/24
	Previous chapter. Chapter. 2- MICROORGANISMS: FRIEND AND FOE. Chapter 3- COAL AND PETROLEUM.	
Annual Exam	Chapter -5-CONSERVATION OF PLANTS AND ANIMALS Chapter -7- REACHING THE AGE OF	

ADOLESCENCE.	
Chapter -12- SOME NATURAL	
PHENOMENA.	
Chapter. 13- LIGHT	
EXTRA TOPICS	
Metal and Non Metal	
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Previous chapters	
Chapter. 4- COMBUSTION AND FLAME.	
Chapter -6-REPRODUCTION IN ANIMALS.	