

Syllabus Indicator and Exam Portion

CBSE – 2023-24

Subject: Science

Grade: VII

PHASE 1			
Ch. No.	Chapter Name	Subtopics	PT1 portion Total Marks: 40 Duration: 1 hour 30 minutes
1	Nutrition in Plants	<ul style="list-style-type: none"> Mode of nutrition in plants Photosynthesis- Food making process in plants Other modes of nutrition in plants Saprotrophs How nutrients are replenished in the soil 	<ul style="list-style-type: none"> Mode of nutrition in plants Photosynthesis- Food making process in plants Other modes of nutrition in plants Saprotrophs How nutrients are replenished in the soil
2	Nutrition in Animals	<ul style="list-style-type: none"> Different ways of taking food Digestion in humans Digestion in grass-eating animals Feeding and digestion in amoeba 	<ul style="list-style-type: none"> Different ways of taking food Digestion in humans Digestion in grass-eating animals Feeding and digestion in amoeba
3	Fibre to Fabric*	<ul style="list-style-type: none"> Wool Silk 	Not for Assessment
4	Heat	<ul style="list-style-type: none"> Hot and cold Measuring temperature Laboratory thermometer Transfer of heat Kinds of clothes we wear in summer and winter 	<ul style="list-style-type: none"> Hot and cold Measuring temperature Laboratory thermometer Transfer of heat Kinds of clothes we wear in summer and winter
*Chapter excluded/dropped by the CBSE from the Syllabus hence this chapter will not be assessed. <ul style="list-style-type: none"> Chapter 3. Fibre to Fabric 			

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PHASE 2			
Ch. No.	Chapter Name	Subtopics	<div>HYE portion</div> <div>Total Marks: 80 Duration: 3 hours</div>
			PT1 portion is included
6	Physical and Chemical Changes	<ul style="list-style-type: none"> Physical change Chemical change Rusting of iron Crystallisation 	<ul style="list-style-type: none"> Physical change Chemical change Rusting of iron Crystallisation
13	Motion and Time	<ul style="list-style-type: none"> Slow or fast Speed Measurement of time Measuring speed Distance- Time graph 	<ul style="list-style-type: none"> Slow or fast Speed Measurement of time Measuring speed Distance- Time graph
14	Electric Current and its Effects	<ul style="list-style-type: none"> Symbols of electric components Heating effect of electric current Magnetic effect of electric current Electromagnet Electric bell 	<ul style="list-style-type: none"> Symbols of electric components Heating effect of electric current Magnetic effect of electric current Electromagnet Electric bell
16	Water: A Precious Resource*	<ul style="list-style-type: none"> How much water is available Forms of water Groundwater as an important source of water Depletion of water table Distribution of water Water management What role you can play Effect of water scarcity on plants 	Not for Assessment
*Chapter excluded/dropped by the CBSE from the Syllabus hence this chapter will not be assessed. <ul style="list-style-type: none"> Chapter 16. Water: A Precious Resource 			

PHASE 3			
Ch. No.	Chapter Name	Subtopics	PT2 portion Total Marks: 40 Duration: 1 hour 30 minutes
5	Acids, Bases and Salts	<ul style="list-style-type: none"> Acids and Bases Natural indicators around us Neutralisation Neutralisation in everyday life 	<ul style="list-style-type: none"> Acids and Bases Natural indicators around us Neutralisation Neutralisation in everyday life
7	Weather, Climate and Adaptations of Animals to Climate*	<ul style="list-style-type: none"> Weather Climate Climate and Adaptation 	Not for Assessment
9	Soil*	<ul style="list-style-type: none"> Soil teeming with life Soil profile Soil types Properties of soil Moisture in soil Absorption of water by soil Soil and crops 	Not for Assessment
10	Respiration in Organisms	<ul style="list-style-type: none"> Why do we respire? Breathing How do we breathe? What do we breathe out? Breathing in other animals Breathing under water Do plants also respire? 	<ul style="list-style-type: none"> Why do we respire? Breathing How do we breathe? What do we breathe out? Breathing in other animals Breathing under water Do plants also respire?
*Chapters excluded/dropped by the CBSE from the Syllabus hence these chapters will not be assessed. <ul style="list-style-type: none"> Chapter 7. Weather, Climate and Adaptations of Animals to Climate Chapter 9. Soil 			

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PHASE 4			
Ch. No.	Chapter Name	Subtopics	YE portion
			Total Marks: 80 Duration: 3 hours
			PT2 portion is included Chapters included from Term 1 are: <ul style="list-style-type: none"> Chapter 2: Nutrition in Animals Chapter 14: Electric Current and its Effects
8	Winds, Storms and Cyclones*	<ul style="list-style-type: none"> Air exerts pressure High speed winds are accompanied by reduced air pressure Air expands on heating Wind currents are generated due to uneven heating on the Earth Thunderstorms and cyclones Destruction caused by cyclones Effective safety measures Advanced technology has helped 	Not for Assessment
11	Transportation in Animals and Plants	<ul style="list-style-type: none"> Circulatory system Excretion in animals Transport of substances in plants 	<ul style="list-style-type: none"> Circulatory system Excretion in animals Transport of substances in plants
12	Reproduction in Plants	<ul style="list-style-type: none"> Modes of reproduction <ul style="list-style-type: none"> Asexual reproduction <ul style="list-style-type: none"> Vegetative propagation Budding Fragmentation Spore formation Sexual reproduction <ul style="list-style-type: none"> Pollination Fertilisation Fruits and seed formation Seed dispersal 	<ul style="list-style-type: none"> Modes of reproduction <ul style="list-style-type: none"> Asexual reproduction <ul style="list-style-type: none"> Vegetative propagation Budding Fragmentation Spore formation Sexual reproduction <ul style="list-style-type: none"> Pollination Fertilisation Fruits and seed formation Seed dispersal
15	Light	<ul style="list-style-type: none"> Light travels along a straight line 	<ul style="list-style-type: none"> Light travels along a straight line

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		<ul style="list-style-type: none"> ▪ Reflection of light ▪ Right or left ▪ Playing with spherical mirrors ▪ Images formed by lenses ▪ Sunlight- white or coloured? 	<ul style="list-style-type: none"> ▪ Reflection of light ▪ Right or left ▪ Playing with spherical mirrors ▪ Images formed by lenses ▪ Sunlight- white or coloured?
17	Forest: Our Lifeline	<ul style="list-style-type: none"> ▪ Visit to a forest 	<ul style="list-style-type: none"> ▪ Visit to a forest
18	Wastewater Story	<ul style="list-style-type: none"> ▪ Water, our lifeline ▪ What is sewage? ▪ Water freshens up- an eventful journey ▪ Wastewater treatment plant ▪ Better house keeping practices ▪ Sanitation and disease ▪ Alternative arrangement for sewage disposal ▪ Sanitation at public places 	<ul style="list-style-type: none"> ▪ Water, our lifeline ▪ What is sewage? ▪ Water freshens up- an eventful journey ▪ Wastewater treatment plant ▪ Better house keeping practices ▪ Sanitation and disease ▪ Alternative arrangement for sewage disposal ▪ Sanitation at public places
<p>*Chapter excluded/dropped by the CBSE from the Syllabus hence this chapter will not be assessed.</p> <ul style="list-style-type: none"> ▪ Chapter 8. Winds, Storms and Cyclones 			