

**D.P.S. MATHURA ROAD, NEW DELHI**  
**SUBJECT: BIOLOGY – CLASS 9<sup>TH</sup>**  
**SESSION 2018-2019**  
**FORTNIGHTLY BREAK-UP OF SYLLABUS**

S. NO.	Fortnight	Total No. of Days	Total Periods	Main Unit/ Topic	Syllabus Break-UP SUB-TOPICS	Sub topic wise period allotment	Assign. Date	Class Test	Activity & Project	Home Work / Class Work	Marks Allotted
1	2 <sup>nd</sup> April to 13 <sup>th</sup> April 2018	11	6	<b>Chp. 5</b> The Fundamental Unit Of Life	What are living organisms made up of? & Text Book Question Pg(59) What is cell made up of? Diagram Plant & Animal cell What is the structural organization of a cell? Plasma membrane & Text Book Questions(Pg61)	1 1 3			<b>Lab 1</b> Temporary Mount of epidermal cells of Onion Peel		5
2.	16 <sup>th</sup> April to 27 <sup>th</sup> April 2018	11	6	<b>Chp. 5</b> The Fundamental Unit Of Life	Cell wall Nucleus & Text Book Question Pg(63) Cytoplasm Cell organelles(i) Endoplasmic Reticulum(ER) (ii) Golgi Apparatus (iii) Lysosomes,(iv) Mitochondria	1 1 1 1 1	20-4-18				
3	1 <sup>st</sup> May-18 <sup>TH</sup> May 2018	14	9	<b>Chp. 6</b> .Tissues	(v) Plastids (vi) Vacuoles Text Book Questions Pg-66-67 ( Recap) Are Plants and Animals made of same types of Tissues? & Text Book Question Pg(69) Plant Tissues- Meristematic Tissues Permanent Tissue- (i) Simple Permanent Tissue & Text Book Questions 1,2&3 Pg(74)	1 1 1 1 2 2		14-5-18	<b>Lab 2</b> Human Cheek Cell		5
<b>12<sup>th</sup> May 2018 P.T.M</b>											
4	21 <sup>st</sup> May to 25 <sup>th</sup> May 2018	5	3	<b>Chp. 6</b> .Tissues <b>Block teaching</b>	Protective Tissues-Epidermis & Cork (ii) Complex Permanent Tissue Text Book Questions 4 Pg(74)	1 2				<b>Home Work</b>	5
<b>Completion of syllabus 25<sup>th</sup> May 2018</b>											
<b>SUMMER VACATION FROM 26<sup>TH</sup> MAY TO 28<sup>TH</sup> JUNE 2018</b>											
<b>PRE MID TERM EXAM-29<sup>TH</sup> JUNE TO 9<sup>TH</sup> JULY 2018</b>											
<b>Syllabus-Chapter 5 &amp; 6 Lab 1&amp;2</b>											
S. NO	Fortnight	Total No. of	Total Periods	Main Unit/ Topic	Syllabus Break-UP SUB-TOPICS	Sub topic wise period	Assign. Date	Class Test	Activity & Project	Home Work / Class Work	Marks Allotted

		Days				allotment						
5	10 <sup>th</sup> July to 31 <sup>st</sup> July 2018	16	10	<b>Chp. 6</b> Tissues  <b>Chp. 15</b> Improvement In Food Resources	Animal Tissue- (i) Epithelial (ii) Connective Tissue (iii) Muscular Tissue (iv) Nervous Tissue Text Book Questions Pg-78-79 ( Recap) Introduction Improvement in crop yield Text Book Questions Pg(204) Crop Variety Improvement Text Book Questions Pg(205) Crop Production Management (i) Nutrient Management- Manure, Fertilizers & Text Book Questions Pg(206 & 207)	1 1 1 1 1 1 1 1 1 1 1			Lab 3 Tissue Slides		5	
6	1 <sup>st</sup> August to 18 <sup>th</sup> August 2018	13	8	<b>Chp. 15</b> Improvement In Food Resources	(ii) Irrigation (iii) Cropping Pattern Crop protection Management Storage of grain Text Book Questions Pg(208& 209)) Animal Husbandry-Cattle Farming & Text Book Questions Pg(210)	1 2 1 1 1 2						
7	20 <sup>th</sup> August to 4 <sup>th</sup> September 2018	10	7	<b>Chp. 15</b> Improvement In Food Resources	poultry Farming & Text Book Questions Pg(211) Fish Production (i) Marine Fisheries (ii) Inland Fisheries & Text Book Questions Pg( 213)) Bee Keeping & Text Book Questions Pg( 213-15) Recap	2 2 1 2	23-8-18				5	
<b>Completion of syllabus 4<sup>th</sup> September 2018</b> <b>6<sup>th</sup> Sep -11<sup>th</sup> September 2018 (5 days) REVISION</b>												
<b>MID TERM EXAM 12<sup>TH</sup> SEPTEMBER TO 22<sup>ND</sup> SEPTEMBER 2018</b> <b>Syllabus-Chapter 5 ,6 and 15 Lab 1,2&amp;3</b>												
8	24 <sup>rd</sup> September to 17 <sup>th</sup> October 2018	17	10	<b>Chp. 7</b> Diversity In Living Organisms	What is the basis of classification? Text Book Questions Pg(82) Classification and Evolution & Text Book Questions Pg(83) <b>Hierarchy of classification-Groups</b> <b>Monera, Protista, Fungi, Plantae, Animalia</b> Text Book Questions Pg(85) <b>Thallophyta, Bryophyta, Pteridophyta</b> <b>Gymnosperms&amp; Angiosperms&amp;TBQ-Pg-88</b> Porifera, Coelenterata, Platyhelminthes, Nematoda, Annelida	1 1 2 2 3			Lab 4 Plant specimens		5	
<b>PTM 13<sup>TH</sup> OCTOBER 2018</b> <b>DUSSHERA BREAK 18<sup>TH</sup> OCTOBER TO 21<sup>ST</sup> OCTOBER 2018</b>												
9	22 <sup>nd</sup> October to 3 <sup>rd</sup> November 2018	10	6	<b>Chp. 7</b> Diversity In Living Organisms	Arthropoda, Mollusca, Echinodermata, Protocordata Vertebrata- Pisces, Amphibia, Reptilia, Aves & Mammalia & Text Book Questions Pg(94) Nomenclature & Text Book Questions Pg(97)	2 2 1			Lab 5 Animal specimens		5	

DIWALI BREAK 5<sup>TH</sup> NOVEMBER TO 11<sup>TH</sup> NOVEMBER 2018

S. NO	Fortnight	Total No. of Days	Total Periods	Main Unit/ Topic	Syllabus Break - UP SUB-TOPICS	Sub topic wise period allotment	Assign. Date	Class Test	Activity & Project	Home Work / Class Work	Marks Allotted
10	12 <sup>th</sup> November to 30 <sup>th</sup> November 2018	13	9	Chp. 13 Why Do We Fall ill	Health and its failure Personal and community issues both matter for health. Distinction between 'Healthy' and 'Disease-Free' Disease and its causes Acute and chronic Diseases Chronic Diseases and poor health Causes of Diseases Infectious and Non-Infectious causes Text Book Questions Pg(178&180)) Infectious Diseases(Infectious Agents, Means of spread	2  1  2 1 1 1	22-11-18		Lab 6 Parts of Monocot & Dicot Plants		5
11.	3 <sup>rd</sup> December to 15 <sup>th</sup> December 2018	11	6	Chp. 13 Why Do We Fall ill	Organ-Specific and Tissue-Specific Manifestations Principles of Treatment Principles of prevention Text Book Questions Pg(187&188	2  1 2 1					5
<b>Completion of syllabus 15<sup>th</sup> December 2018</b> <b>17<sup>th</sup> Dec -19<sup>th</sup> December 2018 (3 days) REVISION</b> <b>POST MID TERM EXAM 20<sup>TH</sup> DECEMBER 2018 TO 14<sup>TH</sup> JANUARY 2019</b> <b>WINTER BREAK 31<sup>ST</sup> December 2018-9January 2019</b> <b>SYLLABUS-5,6,15,7,13 Lab 1,2,3,4,5&amp;6</b> <b>PTM 29<sup>TH</sup> JANUARY 2019</b>											
12	15 <sup>th</sup> January 2019 to 25 <sup>th</sup> January 2019	9	6	. Chp-14 Natural Resources	Biogeochemical Cycles The Water Cycle The Nitrogen Cycle The Carbon Cycle The Green House Effect The Oxygen Cycle Ozone Layer	1 1 1 1 1 1					
13.	28 <sup>rd</sup> January 2019 to 8 <sup>th</sup> February 2019	11	6	. Chp-14 Natural Resources	The Breath of Life-Air The Role of the Atmosphere in climate control The Movement of Air-Winds Rain Air Pollution Water: A Wonder Liquid Water Pollution Text Book Questions Pg(192&194)) Mineral Riches in the Soil Text Book Questions Pg(196))	1 1 1 1 1 1 1					

Completion of syllabus by 11<sup>th</sup> February 2019

**12<sup>th</sup> FEBRUARY-15<sup>TH</sup>FEBRUARY 2019 (4 days) REVISION  
ANNUAL EXAM 16<sup>th</sup> FEBRUARY 2019- 26<sup>th</sup> FEBRUARY 2019  
SYLLABUS- 5,6,15,7,13,14 Lab 1,2,3,4,5&6**

**PTM IX-14<sup>TH</sup> MARCH 2019**

**NEW SESSION TO BEGIN ON 18<sup>TH</sup> MARCH 2019**