

**I.B. (PG) COLLEGE, PANIPAT**

**LESSON PLAN (SESSION 2019-20)**

**LESSON PLAN: 19 WEEK (JULY – NOV)**

<b>WEEK</b>	<b>DATE</b>	<b>CLASS:-B.A. I Subject:-Algebra</b>
<b>1</b>	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>SCIENCE</b> )
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>COMMERCE</b> )
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>ARTS</b> )
	21-Jul-19	<b>SUNDAY</b>
<b>2</b>	22-Jul-19	Matrices and Elementary Properties
	23-Jul-19	Matrices and Elementary Properties
	24-Jul-19	Matrices and Elementary Properties
	25-Jul-19	Symmetric and Skew Symmetric Matrices
	26-Jul-19	Symmetric and Skew Symmetric Matrices
	27-Jul-19	Symmetric and Skew Symmetric Matrices
	28-Jul-19	<b>SUNDAY</b>
<b>3</b>	29-Jul-19	Harmitian Matrix
	30-Jul-19	Harmitian Matrix
	31-Jul-19	<b>SHAHEED UDHAM SINGH MARTYRDOM DAY</b>
	1-Aug-19	Skew Harmitian Matrix
	2-Aug-19	Skew Harmitian Matrix
	3-Aug-19	<b>HARIYALI TEEJ</b>
	4-Aug-19	<b>SUNDAY</b>
<b>4</b>	5-Aug-19	Rank of a matrix
	6-Aug-19	Rank of a matrix
	7-Aug-19	Rank of a matrix
	8-Aug-19	Row Echelon Form
<b>4</b>	9-Aug-19	Row Echelon Form
	10-Aug-19	Row Echelon Form
	11-Aug-19	<b>SUNDAY</b>
<b>5</b>	12-Aug-19	<b>ID-UL-ZUHA (BAKR-ID)</b>
	13-Aug-19	Problems discussion
	14-Aug-19	<b>test</b>
	15-Aug-19	<b>INDEPENDENCE DAY / RAKSHA BANDHAN</b>
	16-Aug-19	Column Echelon Form
	17-Aug-19	Normal Form
	18-Aug-19	<b>SUNDAY</b>
<b>6</b>	19-Aug-19	Normal Form
	20-Aug-19	Elementary Matrices
	21-Aug-19	Elementary Matrices
	22-Aug-19	Elementary Matrices
	23-Aug-19	Problem discussion
	24-Aug-19	<b>JANAMASHTMI</b>
	25-Aug-19	<b>SUNDAY</b>
<b>7</b>	26-Aug-19	Linear Independence and Dependence of vectors
	27-Aug-19	Linear Independence and Dependence of vectors
	28-Aug-19	Orthogonal and unitary Matrices
	29-Aug-19	Orthogonal and unitary Matrices

	30-Aug-19	Orthogonal and unitary Matrices
	31-Aug-19	Characteristic Equation
	1-Sep-19	<b>SUNDAY</b>
<b>8</b>	2-Sep-19	Eigen Values and Eigen Vectors
	3-Sep-19	Eigen Values and Eigen Vectors
	4-Sep-19	Eigen Values and Eigen Vectors
	5-Sep-19	Theorems on Characterstic roots
<b>8</b>	6-Sep-19	Theorems on Characterstic roots
	7-Sep-19	Minimal Polynomial
	8-Sep-19	<b>SUNDAY</b>
<b>9</b>	9-Sep-19	Minimal Polynomial
	10-Sep-19	Minimal Polynomial
	11-Sep-19	Non Homogenous System of Linear Equations
	12-Sep-19	Non Homogenous System of Linear Equations
	13-Sep-19	Homogenous System of Linear Equations
	14-Sep-19	Homogenous System of Linear Equations
	15-Sep-19	<b>SUNDAY</b>
<b>10</b>	16-Sep-19	Problem discussion
	17-Sep-19	Problem discussion
	18-Sep-19	Test
	19-Sep-19	Relation b/w roots and coeff. Of equation
	20-Sep-19	Relation b/w roots and coeff. Of equation
	21-Sep-19	Relation b/w roots and coeff. Of equation
	22-Sep-19	<b>SUNDAY</b>
<b>11</b>	23-Sep-19	<b>SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY</b>
	24-Sep-19	Relation b/w roots and coeff. Of equation
	25-Sep-19	Relation b/w roots and coeff. Of equation
	26-Sep-19	Common roots and multiple roots
	27-Sep-19	Common roots and multiple roots
	28-Sep-19	Common roots and multiple roots
	29-Sep-19	<b>SUNDAY (MAHARAJA AGRASEN JAYANTI)</b>
<b>12</b>	30-Sep-19	Problem discussion
	1-Oct-19	Problem discussion
	2-Oct-19	<b>MAHATMA GANDHI JAYANTI</b>
	3-Oct-19	<b>Conditional test 1</b>
<b>12</b>	4-Oct-19	Transformation of equations
	5-Oct-19	Transformation of equations
	6-Oct-19	<b>SUNDAY</b>
<b>13</b>	7-Oct-19	Transformation of equations
	8-Oct-19	Transformation of equations
	9-Oct-19	Diminish Roots by a given number
	10-Oct-19	Diminish Roots by a given number
	11-Oct-19	Diminish Roots by a given number
	12-Oct-19	Formation of equation whose roots are square of the given roots
13-Oct-19	<b>SUNDAY (MAHARISHI VALMIKI JAYANTI)</b>	
<b>14</b>	14-Oct-19	Formation of equation whose roots are square of the given roots
	15-Oct-19	Squared difference equations
	16-Oct-19	Squared difference equations
	17-Oct-19	<b>KARVA CHAUGH</b>
	18-Oct-19	Descrate's rule of signs

	19-Oct-19	Descartes's rule of signs
	20-Oct-19	<b>SUNDAY</b>
<b>15</b>	21-Oct-19	Problem discussion
	22-Oct-19	Problem discussion
	23-Oct-19	Problem discussion
	24-Oct-19	<b>VACATION -I (DIWALI)</b>
	25-Oct-19	<b>VACATION -I (DIWALI)</b>
	26-Oct-19	<b>VACATION -I (DIWALI)</b>
	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>
<b>16</b>	28-Oct-19	<b>VACATION -I (DIWALI)</b>
	29-Oct-19	<b>VACATION -I (DIWALI)</b>
	30-Oct-19	<b>VACATION -I (DIWALI)</b>
	31-Oct-19	Roots of cubic and biquadratic equations
<b>16</b>	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	Cardan's Method
	3-Nov-19	<b>SUNDAY</b>
<b>17</b>	4-Nov-19	Cardan's Method
	5-Nov-19	Descartes's Method
	6-Nov-19	Descartes's Method
	7-Nov-19	Ferrari's Method
	8-Nov-19	Ferrari's Method
	9-Nov-19	Problem discussion
	10-Nov-19	<b>SUNDAY</b>
<b>18</b>	11-Nov-19	Bilinear form
	12-Nov-19	<b>GURU NANAK JYANTI</b>
	13-Nov-19	Bilinear form
	14-Nov-19	Bilinear form
	15-Nov-19	Quadratic Form
	16-Nov-19	Quadratic Form
	17-Nov-19	<b>SUNDAY</b>
<b>19</b>	18-Nov-19	Problem discussion

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LESSON PLAN (SESSION 2019-20)

LESSON PLAN: 19 WEEKS (JULY – NOV)

WEEK	DATE	CLASS: B.Sc. I Course: Biochemistry 1
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)
	21-Jul-19	SUNDAY
2	22-Jul-19	
	23-Jul-19	
	24-Jul-19	
	25-Jul-19	
	26-Jul-19	Biomolecules: Introduction, important features
	27-Jul-19	covalent and non-covalent interactions
	28-Jul-19	SUNDAY
3	29-Jul-19	Carbohydrates introduction and biological significance
	30-Jul-19	
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY
	1-Aug-19	
	2-Aug-19	Carbohydrates introduction and biological significance
	3-Aug-19	HARIYALI TEEJ
	4-Aug-19	SUNDAY
4	5-Aug-19	Carbohydrates introduction and biological significance
	6-Aug-19	
	7-Aug-19	
	8-Aug-19	
4	9-Aug-19	Monosaccharides
	10-Aug-19	Monosaccharides
	11-Aug-19	SUNDAY
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	
	14-Aug-19	
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
	16-Aug-19	Monosaccharides
	17-Aug-19	Monosaccharides
	18-Aug-19	SUNDAY
6	19-Aug-19	Configuration and Conformation
	20-Aug-19	
	21-Aug-19	
	22-Aug-19	
	23-Aug-19	Configuration and Conformation
	24-Aug-19	JANAMASHTMI
	25-Aug-19	SUNDAY
7	26-Aug-19	Configuration and Conformation
	27-Aug-19	
	28-Aug-19	
	29-Aug-19	
	30-Aug-19	Reducing and Non-reducing sugars

	31-Aug-19	Reducing and Non-reducing sugars
	1-Sep-19	<b>SUNDAY</b>
8	2-Sep-19	Reducing and Non-reducing sugars
	3-Sep-19	
	4-Sep-19	
	5-Sep-19	
8	6-Sep-19	Glycosidic bond Disaccharides
	7-Sep-19	Glycosidic bond Disaccharides
	8-Sep-19	<b>SUNDAY</b>
9	9-Sep-19	Polysaccharides
	10-Sep-19	
	11-Sep-19	
	12-Sep-19	
	13-Sep-19	Polysaccharides
	14-Sep-19	Polysaccharides
	15-Sep-19	<b>SUNDAY</b>
10	16-Sep-19	Amino acids, Peptides and Proteins
	17-Sep-19	
	18-Sep-19	
	19-Sep-19	
	20-Sep-19	Amino acids, Peptides and Proteins
	21-Sep-19	Amino acids, Peptides and Proteins
	22-Sep-19	<b>SUNDAY</b>
11	23-Sep-19	<b>SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY</b>
	24-Sep-19	
	25-Sep-19	
	26-Sep-19	
	27-Sep-19	Proteins: Classification based on structure and function
	28-Sep-19	Proteins: Classification based on structure and function
	29-Sep-19	<b>SUNDAY (MAHARAJA AGRASEN JAYANTI)</b>
12	30-Sep-19	Proteins: Classification based on structure and function
	1-Oct-19	
	2-Oct-19	<b>MAHATMA GANDHI JAYANTI</b>
	3-Oct-19	
12	4-Oct-19	Lipids
	5-Oct-19	Lipids
	6-Oct-19	<b>SUNDAY</b>
13	7-Oct-19	Lipids
	8-Oct-19	<b>DUSSEHRA</b>
	9-Oct-19	
	10-Oct-19	
	11-Oct-19	Lipids
	12-Oct-19	Lipids
	13-Oct-19	<b>SUNDAY (MAHARISHI VALMIKI JAYANTI)</b>
14	14-Oct-19	Lipids
	15-Oct-19	
	16-Oct-19	
	17-Oct-19	<b>KARVA CHAETH</b>
	18-Oct-19	Assignments
	19-Oct-19	Nucleotides and Nucleic acids

	20-Oct-19	<b>SUNDAY</b>
<b>15</b>	21-Oct-19	<b>Nucleotides and Nucleic acids</b>
	22-Oct-19	
	23-Oct-19	
	24-Oct-19	<b>VACATION -I (DIWALI)</b>
	25-Oct-19	<b>VACATION -I (DIWALI)</b>
	26-Oct-19	<b>VACATION -I (DIWALI)</b>
	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>
<b>16</b>	28-Oct-19	<b>VACATION -I (DIWALI)</b>
	29-Oct-19	<b>VACATION -I (DIWALI)</b>
	30-Oct-19	<b>VACATION -I (DIWALI)</b>
	31-Oct-19	
<b>16</b>	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	<b>Nucleotides and Nucleic acids</b>
	3-Nov-19	<b>SUNDAY</b>
<b>17</b>	4-Nov-19	
	5-Nov-19	
	6-Nov-19	
	7-Nov-19	
	8-Nov-19	<b>Properties of DNA</b>
	9-Nov-19	<b>Properties of DNA</b>
	10-Nov-19	<b>SUNDAY</b>
<b>18</b>	11-Nov-19	<b>Biologically important nucleotides and their functions</b>
	12-Nov-19	
	13-Nov-19	
	14-Nov-19	
	15-Nov-19	<b>Biologically important nucleotides and their functions</b>
	16-Nov-19	<b>Biologically important nucleotides and their functions</b>
	17-Nov-19	<b>SUNDAY</b>
<b>19</b>	18-Nov-19	

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**LESSON PLAN (SESSION 2019-20)**

**LESSON PLAN: 19 WEEK (JULY – NOV)**

WEEK	DATE	CLASS: B.A. - I	Subject: Calculus
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20	
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION	
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>SCIENCE</b> )	
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>COMMERCE</b> )	
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>ARTS</b> )	
	21-Jul-19	<b>SUNDAY</b>	
2	22-Jul-19	Derivative of a Function, Basics of Differentiation and Integration	
	23-Jul-19	Successive Differentiation	
	24-Jul-19	Questions based on Successive Differentiation	
	25-Jul-19	Questions based on Successive Differentiation	
	26-Jul-19	Differentiation of Parametric Functions	
	27-Jul-19	Differentiation of Parametric Functions	
	28-Jul-19	<b>SUNDAY</b>	
3	29-Jul-19	Differentiation using Partial Fractions	
	30-Jul-19	Differentiation using Partial Fractions	
	31-Jul-19	<b>SHAHEED UDHAM SINGH MARTYRDOM DAY</b>	
	1-Aug-19	Problem Discussion	
	2-Aug-19	Leibnitz's Theorem	
	3-Aug-19	<b>HARIYALI TEEJ</b>	
	4-Aug-19	<b>SUNDAY</b>	
4	5-Aug-19	Questions based on Leibnitz's Theorem	
	6-Aug-19	Questions based on Leibnitz's Theorem	
	7-Aug-19	Applications of Leibnitz's Theorem	
	8-Aug-19	Applications of Leibnitz's Theorem	
4	9-Aug-19	Problem Discussion	
	10-Aug-19	Taylor's Theorem with Lagrange's form of remainder	
	11-Aug-19	<b>SUNDAY</b>	
5	12-Aug-19	<b>ID-UL-ZUHA (BAKR-ID)</b>	
	13-Aug-19	Questions based on Taylor's Theorem	
	14-Aug-19	Taylor's Theorem with Cauchy's form of remainder	
	15-Aug-19	<b>INDEPENDENCE DAY / RAKSHA BANDHAN</b>	
	16-Aug-19	Questions based on Taylor's Theorem with Cauchy's form of remainder	
	17-Aug-19	Infinite Series	
6	18-Aug-19	<b>SUNDAY</b>	
	19-Aug-19	Infinite Series	
	20-Aug-19	Infinite Series	
	21-Aug-19	Applications of Taylor's Series	
	22-Aug-19	Applications of Taylor's Series	
	23-Aug-19	Expansion by Differential Equations	
	24-Aug-19	<b>JANAMASHTMI</b>	
25-Aug-19	<b>SUNDAY</b>		
7	26-Aug-19	Expansion by Differential Equations	
	27-Aug-19	Asymptotes	
	28-Aug-19	Oblique Asymptotes and Questions based on it	
	29-Aug-19	Oblique Asymptotes of Algebraic Curve	
	30-Aug-19	Oblique Asymptotes of Algebraic Curve	

	31-Aug-19	Oblique Asymptotes of Algebraic Curve
	1-Sep-19	<b>SUNDAY</b>
8	2-Sep-19	Intersection of Curve and its Asymptotes
	3-Sep-19	Intersection of Curve and its Asymptotes
	4-Sep-19	Polar Asymptotes
	5-Sep-19	Polar Asymptotes
	6-Sep-19	Polar Asymptotes
8	7-Sep-19	Problem Discussion
	8-Sep-19	<b>SUNDAY</b>
	9-Sep-19	Curvature
9	10-Sep-19	Articles related to Curvature
	11-Sep-19	Questions based on Curvature
	12-Sep-19	Questions based on Curvature
	13-Sep-19	Radius of Curvature in Polar Form
	14-Sep-19	Radius of Curvature in Polar Form
	15-Sep-19	<b>SUNDAY</b>
	16-Sep-19	Curvature at Origin
10	17-Sep-19	Centre of Curvature and Evolute of a Curve
	18-Sep-19	Centre of Curvature and Evolute of a Curve
	19-Sep-19	Centre of Curvature and Evolute of a Curve
	20-Sep-19	Curve Tracing
	21-Sep-19	Curve Tracing
	22-Sep-19	<b>SUNDAY</b>
	23-Sep-19	<b>SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY</b>
11	24-Sep-19	Parametric Equations
	25-Sep-19	Tracing of Polar Curves
	26-Sep-19	Tracing of Polar Curves
	27-Sep-19	Reduction Formulae
	28-Sep-19	Articles related to Reduction Formulae
	29-Sep-19	<b>SUNDAY (MAHARAJA AGRASEN JAYANTI)</b>
	30-Sep-19	Articles related to Reduction Formulae
12	1-Oct-19	Articles related to Reduction Formulae
	2-Oct-19	<b>MAHATMA GANDHI JAYANTI</b>
	3-Oct-19	Questions based on Reduction Formulae
	4-Oct-19	Questions based on Reduction Formulae
12	5-Oct-19	Questions based on Reduction Formulae
	6-Oct-19	<b>SUNDAY</b>
	7-Oct-19	Conditional Test
13	8-Oct-19	<b>DUSSEHRA</b>
	9-Oct-19	Rectification, Fundamental Theorem about Rectification
	10-Oct-19	Rectification, Fundamental Theorem about Rectification
	11-Oct-19	Length of Parametric Curves
	12-Oct-19	Length of Parametric Curves
	13-Oct-19	<b>SUNDAY (MAHARISHI VALMIKI JAYANTI)</b>
	14-Oct-19	Length of Polar Curves
14	15-Oct-19	Length of Polar Curves
	16-Oct-19	Intrinsic Equation of a Curve
	17-Oct-19	<b>KARVA CHAUGH</b>
	18-Oct-19	Quadrature
	19-Oct-19	Questions based on Quadrature



	20-Oct-19	<b>SUNDAY</b>
<b>15</b>	21-Oct-19	Area Between Two Curves
	22-Oct-19	Area Formula for Parametric Curves
	23-Oct-19	Area Formula for Polar Curves
	24-Oct-19	<b>VACATION -I (DIWALI)</b>
	25-Oct-19	<b>VACATION -I (DIWALI)</b>
	26-Oct-19	<b>VACATION -I (DIWALI)</b>
	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>
<b>16</b>	28-Oct-19	<b>VACATION -I (DIWALI)</b>
	29-Oct-19	<b>VACATION -I (DIWALI)</b>
	30-Oct-19	<b>VACATION -I (DIWALI)</b>
	31-Oct-19	Area Between Two Polar Curves
<b>16</b>	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	Volume of a Solid of Revolution
	3-Nov-19	<b>SUNDAY</b>
<b>17</b>	4-Nov-19	Axis of Revolution
	5-Nov-19	Volume formula for Polar Curves and Parametric Curves
	6-Nov-19	Area of a Surface of Revolution
	7-Nov-19	Area of a Surface of Revolution
	8-Nov-19	Limit of a Function
	9-Nov-19	Theorems and questions based on Limits of Functions
	10-Nov-19	<b>SUNDAY</b>
<b>18</b>	11-Nov-19	Theorems and questions based on Limits of Functions
	12-Nov-19	Continuous Functions
	13-Nov-19	Theorems and questions based on Continuous Functions
	14-Nov-19	Singular Points
	15-Nov-19	Articles and Questions based on Singular Points
	16-Nov-19	Articles and Questions based on Singular Points
	17-Nov-19	<b>SUNDAY</b>
<b>19</b>	18-Nov-19	Problem Discussion

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**LESSON PLAN (SESSION 2019-20)**

**LESSON PLAN: 19 WEEKS (JULY – NOV)**

WEEK	DATE	CLASS: B.Sc. I Course: Cell Biology
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT <b>(SCIENCE)</b>
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT <b>(COMMERCE)</b>
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT <b>(ARTS)</b>
	21-Jul-19	<b>SUNDAY</b>
2	22-Jul-19	
	23-Jul-19	
	24-Jul-19	
	25-Jul-19	<b>Cell envelope</b>
	26-Jul-19	<b>Cell envelope</b>
	27-Jul-19	<b>Cell envelope</b>
	28-Jul-19	<b>SUNDAY</b>
3	29-Jul-19	
	30-Jul-19	
	31-Jul-19	<b>SHAHEED UDHAM SINGH MARTYRDOM DAY</b>
	1-Aug-19	<b>Cell envelope</b>
	2-Aug-19	<b>Cell envelope</b>
	3-Aug-19	<b>HARIYALI TEEJ</b>
	4-Aug-19	<b>SUNDAY</b>
4	5-Aug-19	
	6-Aug-19	
	7-Aug-19	
	8-Aug-19	<b>Function of nucleus</b>
4	9-Aug-19	<b>Function of nucleus</b>
	10-Aug-19	<b>Function of nucleus</b>
	11-Aug-19	<b>SUNDAY</b>
5	12-Aug-19	<b>ID-UL-ZUHA (BAKR-ID)</b>
	13-Aug-19	
	14-Aug-19	
	15-Aug-19	<b>INDEPENDENCE DAY / RAKSHA BANDHAN</b>
	16-Aug-19	<b>Function of nucleus</b>
	17-Aug-19	<b>Golgi apparatus</b>
	18-Aug-19	<b>SUNDAY</b>
6	19-Aug-19	
	20-Aug-19	
	21-Aug-19	
	22-Aug-19	<b>Golgi apparatus</b>
	23-Aug-19	<b>Golgi apparatus</b>
	24-Aug-19	<b>JANAMASHTMI</b>
	25-Aug-19	<b>SUNDAY</b>
7	26-Aug-19	
	27-Aug-19	
	28-Aug-19	
	29-Aug-19	<b>Endoplasmic Reticulum</b>
	30-Aug-19	<b>Endoplasmic Reticulum</b>

	31-Aug-19	Endoplasmic Reticulum
	1-Sep-19	SUNDAY
8	2-Sep-19	
	3-Sep-19	
	4-Sep-19	
	5-Sep-19	Chloroplast
	6-Sep-19	Chloroplast
8	7-Sep-19	Chloroplast
	8-Sep-19	SUNDAY
	9-Sep-19	
9	10-Sep-19	
	11-Sep-19	
	12-Sep-19	Mitochondria
	13-Sep-19	Mitochondria
	14-Sep-19	Mitochondria
	15-Sep-19	SUNDAY
	16-Sep-19	
10	17-Sep-19	
	18-Sep-19	
	19-Sep-19	Lysosome
	20-Sep-19	Lysosome
	21-Sep-19	Lysosome
	22-Sep-19	SUNDAY
	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY
11	24-Sep-19	
	25-Sep-19	
	26-Sep-19	Peroxisome
	27-Sep-19	Peroxisome
	28-Sep-19	Peroxisome
	29-Sep-19	SUNDAY (MAHARAJA AGRASEN JAYANTI)
	30-Sep-19	
12	1-Oct-19	
	2-Oct-19	MAHATMA GANDHI JAYANTI
	3-Oct-19	Vacuole
	4-Oct-19	Vacuole
12	5-Oct-19	Vacuole
	6-Oct-19	SUNDAY
	7-Oct-19	
13	8-Oct-19	DUSSEHRA
	9-Oct-19	
	10-Oct-19	Cell Division
	11-Oct-19	Cell Division
	12-Oct-19	Cell Division
	13-Oct-19	SUNDAY (MAHARISHI VALMIKI JAYANTI)
	14-Oct-19	
14	15-Oct-19	
	16-Oct-19	
	17-Oct-19	KARVA CHAUGH
	18-Oct-19	Chromosome
	19-Oct-19	Chromosome

	20-Oct-19	<b>SUNDAY</b>
<b>15</b>	21-Oct-19	
	22-Oct-19	
	23-Oct-19	
	24-Oct-19	<b>VACATION -I (DIWALI)</b>
	25-Oct-19	<b>VACATION -I (DIWALI)</b>
	26-Oct-19	<b>VACATION -I (DIWALI)</b>
	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>
<b>16</b>	28-Oct-19	<b>VACATION -I (DIWALI)</b>
	29-Oct-19	<b>VACATION -I (DIWALI)</b>
	30-Oct-19	<b>VACATION -I (DIWALI)</b>
	31-Oct-19	<b>Chromosome</b>
<b>16</b>	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	<b>Chromosomal alteration</b>
	3-Nov-19	<b>SUNDAY</b>
<b>17</b>	4-Nov-19	
	5-Nov-19	
	6-Nov-19	
	7-Nov-19	<b>Chromosomal alteration</b>
	8-Nov-19	<b>Chromosomal alteration</b>
	9-Nov-19	<b>Sex chromosome</b>
	10-Nov-19	<b>SUNDAY</b>
<b>18</b>	11-Nov-19	<b>Guru Nanak Birthday</b>
	12-Nov-19	
	13-Nov-19	
	14-Nov-19	<b>Sex chromosome</b>
	15-Nov-19	<b>Sex chromosome</b>
	16-Nov-19	<b>Revision</b>
	17-Nov-19	<b>SUNDAY</b>
<b>19</b>	18-Nov-19	

**I.B. (PG) COLLEGE, PANIPAT**

**LESSON PLAN (SESSION 2019-20)**

**LESSON PLAN: 19 WEEKS (JULY – NOV)**

WEEK	DATE	Class- B.Sc. I	Course: Diversity of Microbes
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20	
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION	
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT <b>(SCIENCE)</b>	
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT <b>(COMMERCE)</b>	
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT <b>(ARTS)</b>	
	21-Jul-19	<b>SUNDAY</b>	
2	22-Jul-19	Introduction about the subject with their application	
	23-Jul-19	Bacteria Structure	
	24-Jul-19	Nutrition & Reproduction - Introduction and different types of nutrition	
	25-Jul-19		
	26-Jul-19		
	27-Jul-19		
28-Jul-19	<b>SUNDAY</b>		
3	29-Jul-19	Nutrition & Reproduction - Introduction and different types of nutrition - Revision	
	30-Jul-19	Methods of Genetic recombination of Bacteria with their economic importance	
	31-Jul-19	<b>SHAHEED UDHAM SINGH MARTYRDOM DAY</b>	
	1-Aug-19		
	2-Aug-19		
	3-Aug-19	<b>HARIYALI TEEJ</b>	
4-Aug-19	<b>SUNDAY</b>		
4	5-Aug-19	Introduction - Cyanobacteria	
	6-Aug-19	Economic Importance of Cyanobacteria	
	7-Aug-19	Nostoc - Structure & Reproduction	
	8-Aug-19		
	9-Aug-19		
	10-Aug-19		
11-Aug-19	<b>SUNDAY</b>		
5	12-Aug-19	<b>ID-UL-ZUHA (BAKR-ID)</b>	
	13-Aug-19	Introduction and discussion on Algae	
	14-Aug-19	General Characters of Algae	
	15-Aug-19	<b>INDEPENDENCE DAY / RAKSHA BANDHAN</b>	
	16-Aug-19		
	17-Aug-19		
18-Aug-19	<b>SUNDAY</b>		
6	19-Aug-19	General Characters of Algae	
	20-Aug-19	General Characters of Algae & Classification	
	21-Aug-19	Economic Importance of Algae	
	22-Aug-19		
	23-Aug-19		
	24-Aug-19	<b>JANMASHTMI</b>	
25-Aug-19	<b>SUNDAY</b>		
7	26-Aug-19	Study of Volvox in Detail	
	27-Aug-19	Important features and life-history of Volvox	
	28-Aug-19	life-history of Volvox	
	29-Aug-19		
	30-Aug-19		
	31-Aug-19		
1-Sep-19	<b>SUNDAY</b>		
	2-Sep-19	Oedogonium- Structure and reproduction	
	3-Sep-19	Oedogonium- Structure and reproduction	

8	4-Sep-19	Oedogonium- Structure and reproduction
	5-Sep-19	
	6-Sep-19	
	7-Sep-19	
	8-Sep-19	<b>SUNDAY</b>
9	9-Sep-19	Vaucheria- Introduction
	10-Sep-19	Vaucheria - Structure and Reproduction
	11-Sep-19	Ectocarpus - Structure and reproduction
	12-Sep-19	
	13-Sep-19	
	14-Sep-19	
	15-Sep-19	<b>SUNDAY</b>
10	16-Sep-19	Ectocarpus - Structure and reproduction
	17-Sep-19	Polysiphonia- Structure and reproduction
	18-Sep-19	Polysiphonia- Structure and reproduction
	19-Sep-19	
	20-Sep-19	
	21-Sep-19	
	22-Sep-19	<b>SUNDAY</b>
11	23-Sep-19	<b>SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY</b>
	24-Sep-19	Discussion on characters of Viruses
	25-Sep-19	Structure of TMV and Bacteriophages.
	26-Sep-19	Class Test
	27-Sep-19	
	28-Sep-19	
	29-Sep-19	<b>SUNDAY (MAHARAJA AGRASEN JAYANTI)</b>
12	30-Sep-19	Fungi: General characters
	1-Oct-19	<b>Classification and economic importance</b>
	2-Oct-19	<b>MAHATMA GANDHI JAYANTI</b>
	3-Oct-19	
	4-Oct-19	
	5-Oct-19	
	6-Oct-19	<b>SUNDAY</b>
13	7-Oct-19	Classification and economic importance
	8-Oct-19	<b>DUSSEHRA</b>
	9-Oct-19	
	10-Oct-19	
	11-Oct-19	
	12-Oct-19	
	13-Oct-19	<b>SUNDAY (MAHARISHI VALMIKI JAYANTI)</b>
14	14-Oct-19	important features and life-history of Phytophthora
	15-Oct-19	important features and life-history of Phytophthora
	16-Oct-19	
	17-Oct-19	<b>KARVA CHAATH</b>
	18-Oct-19	
	19-Oct-19	
	20-Oct-19	<b>SUNDAY</b>
15	21-Oct-19	Mucor - Life History and features
	22-Oct-19	Penicillium - Structure with features
	23-Oct-19	Penicillium - Life History
	24-Oct-19	<b>VACATION -I (DIWALI)</b>
	25-Oct-19	<b>VACATION -I (DIWALI)</b>
	26-Oct-19	<b>VACATION -I (DIWALI)</b>
	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>

16	28-Oct-19	VACATION -I (DIWALI)
	29-Oct-19	VACATION -I (DIWALI)
	30-Oct-19	VACATION -I (DIWALI)
	31-Oct-19	
	1-Nov-19	HARYANA DAY
	2-Nov-19	
	3-Nov-19	SUNDAY
17	4-Nov-19	Puccinia- Life History and features
	5-Nov-19	Puccinia- Life History and features
	6-Nov-19	Puccinia- Life History and features
	7-Nov-19	
	8-Nov-19	
	9-Nov-19	
	10-Nov-19	SUNDAY
18	11-Nov-19	GURU NANAK BIRTHDAY
	12-Nov-19	Features and Life History of Agaricus
	13-Nov-19	Features and Life History of Colletotrichum
	14-Nov-19	
	15-Nov-19	
	16-Nov-19	
	17-Nov-19	SUNDAY
19	18-Nov-19	General account of Lichens.

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN (SESSION 2019-20)

LESSON PLAN: 19 WEEKS (JULY – NOV)

WEEK	DATE	CLASS: B.Sc. I Subject: Introduction to Biotechnology
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)
	21-Jul-19	SUNDAY
2	22-Jul-19	
	23-Jul-19	Definition and scope of Biotechnology
	24-Jul-19	Definition and scope of Biotechnology
	25-Jul-19	Definition and scope of Biotechnology
	26-Jul-19	
	27-Jul-19	
	28-Jul-19	SUNDAY
3	29-Jul-19	
	30-Jul-19	Definition and scope of Biotechnology
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY
	1-Aug-19	Introduction of Genetic Engineering
	2-Aug-19	
	3-Aug-19	HARIYALI TEEJ
	4-Aug-19	SUNDAY
4	5-Aug-19	
	6-Aug-19	Introduction of Genetic Engineering
	7-Aug-19	Plant tissue Culture
	8-Aug-19	Plant tissue Culture
4	9-Aug-19	
	10-Aug-19	
	11-Aug-19	SUNDAY
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	Animal tissue Culture
	14-Aug-19	Animal tissue Culture
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
	16-Aug-19	
	17-Aug-19	
	18-Aug-19	SUNDAY
6	19-Aug-19	
	20-Aug-19	Animal tissue Culture
	21-Aug-19	Fermentation Technology
	22-Aug-19	Fermentation Technology
	23-Aug-19	
	24-Aug-19	JANAMASHTMI
	25-Aug-19	SUNDAY
7	26-Aug-19	
	27-Aug-19	Fermentation Technology
	28-Aug-19	Fermentation Technology
	29-Aug-19	Immobilized enzymes
	30-Aug-19	
	31-Aug-19	
	1-Sep-19	SUNDAY
8	2-Sep-19	
	3-Sep-19	Immobilized enzymes
	4-Sep-19	Monoclonal antibodies
	5-Sep-19	Embryo transfer technology
8	6-Sep-19	
	7-Sep-19	
	8-Sep-19	SUNDAY
9	9-Sep-19	
	10-Sep-19	Introduction to gene& genomes
	11-Sep-19	Introduction to gene& genomes
	12-Sep-19	Proteins and proteome
	13-Sep-19	
	14-Sep-19	
	15-Sep-19	SUNDAY
10	16-Sep-19	
	17-Sep-19	Proteins and proteome
	18-Sep-19	Proteins and proteome
	19-Sep-19	Genetic manipulations
	20-Sep-19	
	21-Sep-19	
	22-Sep-19	SUNDAY
	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY



11	24-Sep-19	Genetic manipulations
	25-Sep-19	Genetic manipulations
	26-Sep-19	Genetic manipulations
	27-Sep-19	
	28-Sep-19	
	29-Sep-19	<b>SUNDAY (MAHARAJA AGRASEN JAYANTI)</b>
12	30-Sep-19	
	1-Oct-19	DNA Fingerprinting and Forensic Analysis
	2-Oct-19	<b>MAHATMA GANDHI JAYANTI</b>
12	3-Oct-19	Assignments
	4-Oct-19	
	5-Oct-19	
13	6-Oct-19	<b>SUNDAY</b>
	7-Oct-19	
	8-Oct-19	<b>DUSSEHRA</b>
	9-Oct-19	Application of biotechnology
	10-Oct-19	Application of biotechnology
	11-Oct-19	
	12-Oct-19	
14	13-Oct-19	<b>SUNDAY (MAHARISHI VALMIKI JAYANTI)</b>
	14-Oct-19	
	15-Oct-19	Bioremediation
	16-Oct-19	Bioremediation
	17-Oct-19	<b>KARVA CHAATH</b>
	18-Oct-19	
	19-Oct-19	
15	20-Oct-19	<b>SUNDAY</b>
	21-Oct-19	
	22-Oct-19	Bioremediation
	23-Oct-19	Bioremediation
	24-Oct-19	VACATION -I (DIWALI)
	25-Oct-19	VACATION -I (DIWALI)
	26-Oct-19	VACATION -I (DIWALI)
16	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>
	28-Oct-19	VACATION -I (DIWALI)
	29-Oct-19	VACATION -I (DIWALI)
	30-Oct-19	VACATION -I (DIWALI)
	31-Oct-19	
16	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	
	3-Nov-19	<b>SUNDAY</b>
17	4-Nov-19	
	5-Nov-19	Biotechnology research in India
	6-Nov-19	Biotechnology in context of Developing world
	7-Nov-19	Safety guidelines
	8-Nov-19	
	9-Nov-19	
	10-Nov-19	<b>SUNDAY</b>
18	11-Nov-19	
	12-Nov-19	Ethics in Biotechnology
	13-Nov-19	Intellectual Property rights
	14-Nov-19	Intellectual Property rights
	15-Nov-19	
	16-Nov-19	
19	17-Nov-19	<b>SUNDAY</b>
	18-Nov-19	

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN(SESSION 2019-20)

LESSON PLAN: 19 WEEK (JULY – NOV)

WEEK	DATE	CLASS: B.Sc-1st Sem Section: A Subject: Physics
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)
	21-Jul-19	SUNDAY
2	22-Jul-19	AC analysis basics
	23-Jul-19	A.C. circuit analysis using complex variable with (a) Capacitance and Resistance (CR)
	24-Jul-19	Resistance and Inductance (LR) analysis
	25-Jul-19	
	26-Jul-19	
	27-Jul-19	
	28-Jul-19	SUNDAY
3	29-Jul-19	Capacitance and Inductance (LC) analysis
	30-Jul-19	Capacitance, Inductance and Resistance (LCR) analysis
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY
	1-Aug-19	
	2-Aug-19	
	3-Aug-19	HARIYALI TEEJ
	4-Aug-19	SUNDAY
4	5-Aug-19	Series resonant circuit
	6-Aug-19	Parallel resonant circuit
	7-Aug-19	sharpness and quality factor
	8-Aug-19	
4	9-Aug-19	
	10-Aug-19	
	11-Aug-19	SUNDAY
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	Magnetic induction, Magnetic flux, Solenoidal nature of vector field of induction
	14-Aug-19	Electronic theory of dia -magnetism
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
	16-Aug-19	
	17-Aug-19	
	18-Aug-19	SUNDAY
6	19-Aug-19	theory of paramagnetism
	20-Aug-19	ferromagnetism theory
	21-Aug-19	Hysterisis
	22-Aug-19	
	23-Aug-19	
	24-Aug-19	JANAMASHTMI
	25-Aug-19	SUNDAY
	26-Aug-19	Gradient of a scalar and its physical significance

7	27-Aug-19	Line, Surface and Volume integrals of vector Flux of a vector field
	28-Aug-19	Divergence and physical significance
	29-Aug-19	
	30-Aug-19	
	31-Aug-19	
	1-Sep-19	<b>SUNDAY</b>
8	2-Sep-19	curl and physical significance
	3-Sep-19	Gauss divergence theoram
	4-Sep-19	Stokes theoram
	5-Sep-19	
8	6-Sep-19	
	7-Sep-19	
	8-Sep-19	<b>SUNDAY</b>
9	9-Sep-19	Derivation of E from potential as gradient, Laplace and Poisson equations
	10-Sep-19	Electric flux, Gauss's Law
	11-Sep-19	mechanical force on charged surface
	12-Sep-19	
	13-Sep-19	
	14-Sep-19	
	15-Sep-19	<b>SUNDAY</b>
10	16-Sep-19	Maxwell equations and their derivations
	17-Sep-19	Displacement current, Vector and Scalar potentials
	18-Sep-19	Boundary conditions at interface between two different media
	19-Sep-19	
	20-Sep-19	
	21-Sep-19	
	22-Sep-19	<b>SUNDAY</b>
11	23-Sep-19	<b>SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY</b>
	24-Sep-19	Boundary conditions at interface between two different media
	25-Sep-19	Boundary conditions at interface between two different media
	26-Sep-19	
	27-Sep-19	
	28-Sep-19	
	29-Sep-19	<b>SUNDAY (MAHARAJA AGRASEN JAYANTI)</b>
12	30-Sep-19	Poyenting theoram and poyenting vector
	1-Oct-19	numericals
	2-Oct-19	<b>MAHATMA GANDHI JAYANTI</b>
	3-Oct-19	
12	4-Oct-19	
	5-Oct-19	
	6-Oct-19	<b>SUNDAY</b>
	7-Oct-19	Numericals of Unit AC analysis
	8-Oct-19	<b>DUSSEHRA</b>
	9-Oct-19	Numericals of unit AC analysis

13	10-Oct-19	
	11-Oct-19	
	12-Oct-19	
	13-Oct-19	<b>SUNDAY (MAHARISHI VALMIKI JAYANTI)</b>
14	14-Oct-19	Numericals of Unit magnetism
	15-Oct-19	Numericals of Unit magnetism
	16-Oct-19	numericals of Unit vector calculus
	17-Oct-19	<b>KARVA CHAUGH</b>
	18-Oct-19	
	19-Oct-19	
	20-Oct-19	<b>SUNDAY</b>
15	21-Oct-19	test of unit AC Analysis
	22-Oct-19	test of unit Magnetism
	23-Oct-19	Test of unit EM theory
	24-Oct-19	<b>VACATION -I (DIWALI)</b>
	25-Oct-19	<b>VACATION -I (DIWALI)</b>
	26-Oct-19	<b>VACATION -I (DIWALI)</b>
	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>
16	28-Oct-19	<b>VACATION -I (DIWALI)</b>
	29-Oct-19	<b>VACATION -I (DIWALI)</b>
	30-Oct-19	<b>VACATION -I (DIWALI)</b>
	31-Oct-19	
16	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	
	3-Nov-19	<b>SUNDAY</b>
17	4-Nov-19	test of Unit AC analysis
	5-Nov-19	revision
	6-Nov-19	Test of whole syllabus for internal assesment
	7-Nov-19	
	8-Nov-19	
	9-Nov-19	
	10-Nov-19	<b>SUNDAY</b>
18	11-Nov-19	remedial classes
	12-Nov-19	remedial classes
	13-Nov-19	remedial classes
	14-Nov-19	
	15-Nov-19	
	16-Nov-19	
	17-Nov-19	<b>SUNDAY</b>
19	18-Nov-19	remedial classes

**I.B. (PG) COLLEGE, PANIPAT**

**LESSON PLAN (SESSION 2019-20)**

**LESSON PLAN: 19 WEEKS (JULY – NOV)**

WEEK	DATE	CLASS- B.Sc. I	Subject- Zoology
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20	
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION	
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>SCIENCE</b> )	
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>COMMERCE</b> )	
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>ARTS</b> )	
	21-Jul-19	<b>SUNDAY</b>	
2	22-Jul-19	Introduction – invertebrates	
	23-Jul-19	Introduction – invertebrates	
	24-Jul-19	Introduction – invertebrates	
	25-Jul-19		
	26-Jul-19		
	27-Jul-19		
	28-Jul-19	<b>SUNDAY</b>	
3	29-Jul-19	Introduction – invertebrates	
	30-Jul-19	Introduction – invertebrates	
	31-Jul-19	<b>SHAHEED UDHAM SINGH MARTYRDOM DAY</b>	
	1-Aug-19		
	2-Aug-19		
	3-Aug-19	<b>HARIYALI TEEJ</b>	
	4-Aug-19	<b>SUNDAY</b>	
4	5-Aug-19	Porifera: General Characters	
	6-Aug-19	Porifera: Classification	
	7-Aug-19	Porifera: Type Study-Sycon	
	8-Aug-19		
4	9-Aug-19		
	10-Aug-19		
	11-Aug-19	<b>SUNDAY</b>	
5	12-Aug-19	<b>ID-UL-ZUHA (BAKR-ID)</b>	
	13-Aug-19	Porifera: Type Study-Sycon	
	14-Aug-19	Porifera: Type Study-Sycon	
	15-Aug-19	<b>INDEPENDENCE DAY / RAKSHA BANDHAN</b>	
	16-Aug-19		
	17-Aug-19		
	18-Aug-19	<b>SUNDAY</b>	
6	19-Aug-19	Porifera: Type Study-Sycon	
	20-Aug-19	Porifera: Canal System in Sponges	
	21-Aug-19	Porifera: Spicules in Sponges	
	22-Aug-19		
	23-Aug-19		
	24-Aug-19	<b>JANAMASHTMI</b>	
	25-Aug-19	<b>SUNDAY</b>	
7	26-Aug-19	Porifera: Biodiversity	
	27-Aug-19	Porifera: Economic Importance	
	28-Aug-19	Cell Biology: Plasma Membrane	
	29-Aug-19		

	30-Aug-19	
	31-Aug-19	
	1-Sep-19	<b>SUNDAY</b>
8	2-Sep-19	Cell Biology: Plasma Membrane
	3-Sep-19	Cell Biology: Plasma Membrane
	4-Sep-19	Cell Biology: Ribosomes
	5-Sep-19	
8	6-Sep-19	
	7-Sep-19	
	8-Sep-19	<b>SUNDAY</b>
9	9-Sep-19	Cell Biology: Lysosomes
	10-Sep-19	Cell Biology: Endoplasmic Reticulum
	11-Sep-19	Cell Biology: Golgi Complex
	12-Sep-19	
	13-Sep-19	
	14-Sep-19	
	15-Sep-19	<b>SUNDAY</b>
10	16-Sep-19	Cell Biology: Mitochondria
	17-Sep-19	Cell Biology: Mitochondria
	18-Sep-19	Cell Biology: Cytoskeleton
	19-Sep-19	
	20-Sep-19	
	21-Sep-19	
	22-Sep-19	<b>SUNDAY</b>
11	23-Sep-19	<b>SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY</b>
	24-Sep-19	Cell Biology: Cytoskeleton
	25-Sep-19	Cell Biology: Cytoskeleton
	26-Sep-19	
	27-Sep-19	
	28-Sep-19	
	29-Sep-19	<b>SUNDAY (MAHARAJA AGRASEN JAYANTI)</b>
12	30-Sep-19	Cell Biology: Cytoskeleton
	1-Oct-19	Protozoa: General Character
	2-Oct-19	<b>MAHATMA GANDHI JAYANTI</b>
	3-Oct-19	
12	4-Oct-19	
	5-Oct-19	
	6-Oct-19	<b>SUNDAY</b>
13	7-Oct-19	Protozoa: Classification
	8-Oct-19	<b>DUSSEHRA</b>
	9-Oct-19	Protozoa: Biodiversity
	10-Oct-19	
	11-Oct-19	
	12-Oct-19	
	13-Oct-19	<b>SUNDAY (MAHARISHI VALMIKI JAYANTI)</b>
14	14-Oct-19	<b>CLASS TEST</b>
	15-Oct-19	Protozoa: Economic Importance
	16-Oct-19	Protozoa: Plasmodium
	17-Oct-19	<b>KARVA CHAUGH</b>
	18-Oct-19	

	19-Oct-19	
	20-Oct-19	<b>SUNDAY</b>
15	21-Oct-19	Protozoa: Plasmodium
	22-Oct-19	Protozoa: Entamoeba
	23-Oct-19	Protozoa: Entamoeba
	24-Oct-19	<b>VACATION -I (DIWALI)</b>
	25-Oct-19	<b>VACATION -I (DIWALI)</b>
	26-Oct-19	<b>VACATION -I (DIWALI)</b>
	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>
16	28-Oct-19	<b>VACATION -I (DIWALI)</b>
	29-Oct-19	<b>VACATION -I (DIWALI)</b>
	30-Oct-19	<b>VACATION -I (DIWALI)</b>
	31-Oct-19	
16	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	
	3-Nov-19	<b>SUNDAY</b>
17	4-Nov-19	Protozoa: Trypanosoma
	5-Nov-19	Protozoa: Trypanosoma
	6-Nov-19	Protozoa: Giardia
	7-Nov-19	
	8-Nov-19	
	9-Nov-19	
	10-Nov-19	<b>SUNDAY</b>
18	11-Nov-19	Revision
	12-Nov-19	Revision
	13-Nov-19	Class Test
	14-Nov-19	
	15-Nov-19	
	16-Nov-19	
	17-Nov-19	<b>SUNDAY</b>
19	18-Nov-19	

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN (SESSION 2019-20)

LESSON PLAN: 19 WEEKS (JULY – NOV)

WEEK	DATE	CLASS B.Sc. I	Course: Life & Diversity from Coelentrata...
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20	
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION	
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)	
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)	
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)	
	21-Jul-19	SUNDAY	
2	22-Jul-19		
	23-Jul-19		
	24-Jul-19		
	25-Jul-19	Phylum coelenterate: Obelia	
	26-Jul-19	Phylum coelenterate: Obelia	
	27-Jul-19	Phylum coelenterate: Obelia	
28-Jul-19	SUNDAY		
3	29-Jul-19		
	30-Jul-19		
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY	
	1-Aug-19	Phylum coelenterate: Obelia	
	2-Aug-19	Phylum coelenterate: Obelia	
	3-Aug-19	HARIYALI TEEJ	
4-Aug-19	SUNDAY		
4	5-Aug-19		
	6-Aug-19		
	7-Aug-19		
	8-Aug-19	Phylum coelenterate: Obelia	
4	9-Aug-19	Phylum coelenterate: Obelia	
	10-Aug-19	Phylum coelenterate: Obelia	
	11-Aug-19	SUNDAY	
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)	
	13-Aug-19		
	14-Aug-19		
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN	
	16-Aug-19	Phylum coelenterate: Obelia	
	17-Aug-19	Phylum coelenterate: Obelia	
18-Aug-19	SUNDAY		
6	19-Aug-19		
	20-Aug-19		
	21-Aug-19		
	22-Aug-19	Nucleus	
	23-Aug-19	Nucleus	
	24-Aug-19	JANAMASHTMI	
25-Aug-19	SUNDAY		
7	26-Aug-19		
	27-Aug-19		
	28-Aug-19		
	29-Aug-19	Nucleus	
	30-Aug-19	Chromosomes	



	31-Aug-19	Chromosomes
	1-Sep-19	SUNDAY
8	2-Sep-19	
	3-Sep-19	
	4-Sep-19	
	5-Sep-19	Chromosomes
8	6-Sep-19	Chromosomes
	7-Sep-19	Phylum: Platyhelminthes
	8-Sep-19	SUNDAY
9	9-Sep-19	
	10-Sep-19	
	11-Sep-19	
	12-Sep-19	Phylum: Platyhelminthes
	13-Sep-19	Phylum: Platyhelminthes
	14-Sep-19	Phylum: Platyhelminthes
	15-Sep-19	SUNDAY
10	16-Sep-19	
	17-Sep-19	
	18-Sep-19	
	19-Sep-19	Phylum: Platyhelminthes
	20-Sep-19	Phylum: Platyhelminthes
	21-Sep-19	Phylum: Aschelminthes
	22-Sep-19	SUNDAY
11	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY
	24-Sep-19	
	25-Sep-19	
	26-Sep-19	Phylum: Aschelminthes
	27-Sep-19	Phylum: Aschelminthes
	28-Sep-19	Phylum: Aschelminthes
	29-Sep-19	SUNDAY (MAHARAJA AGRASEN JAYANTI)
12	30-Sep-19	
	1-Oct-19	
	2-Oct-19	MAHATMA GANDHI JAYANTI
	3-Oct-19	Phylum: Aschelminthes
12	4-Oct-19	Cell Reproduction
	5-Oct-19	Cell Reproduction
	6-Oct-19	SUNDAY
	7-Oct-19	
13	8-Oct-19	DUSSEHRA
	9-Oct-19	
	10-Oct-19	Cell Reproduction
	11-Oct-19	Cell Reproduction
	12-Oct-19	Assignments
	13-Oct-19	SUNDAY (MAHARISHI VALMIKI JAYANTI)
	14-Oct-19	
14	15-Oct-19	
	16-Oct-19	
	17-Oct-19	KARVA CHAUGH
	18-Oct-19	Cancer biology
	19-Oct-19	Cancer biology

	20-Oct-19	<b>SUNDAY</b>
<b>15</b>	21-Oct-19	
	22-Oct-19	
	23-Oct-19	
	24-Oct-19	<b>VACATION -I (DIWALI)</b>
	25-Oct-19	<b>VACATION -I (DIWALI)</b>
	26-Oct-19	<b>VACATION -I (DIWALI)</b>
	27-Oct-19	<b>SUNDAY (VACATION - I (DIWALI))</b>
<b>16</b>	28-Oct-19	<b>VACATION -I (DIWALI)</b>
	29-Oct-19	<b>VACATION -I (DIWALI)</b>
	30-Oct-19	<b>VACATION -I (DIWALI)</b>
	31-Oct-19	<b>Cancer biology</b>
<b>16</b>	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	<b>Test</b>
	3-Nov-19	<b>SUNDAY</b>
<b>17</b>	4-Nov-19	
	5-Nov-19	
	6-Nov-19	
	7-Nov-19	<b>Cellular immunity</b>
	8-Nov-19	<b>Cellular immunity</b>
	9-Nov-19	<b>Cellular immunity</b>
	10-Nov-19	<b>SUNDAY</b>
<b>18</b>	11-Nov-19	<b>Guru Nanak Birthday</b>
	12-Nov-19	
	13-Nov-19	
	14-Nov-19	<b>Class test</b>
	15-Nov-19	<b>Cellular immunity</b>
	16-Nov-19	<b>Cellular immunity</b>
	17-Nov-19	<b>SUNDAY</b>
<b>19</b>	18-Nov-19	

**I.B. (PG) COLLEGE, PANIPAT**

**LESSON PLAN (SESSION 2019-20)**

**LESSON PLAN: 19 WEEK (JULY – NOV)**

WEEK	DATE	CLASS :- B.A (1ST)      Subject:- Solid Geometry
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>SCIENCE</b> )
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>COMMERCE</b> )
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT ( <b>ARTS</b> )
	21-Jul-19	<b>SUNDAY</b>
2	22-Jul-19	Definition of conic section, general result of conic section
	23-Jul-19	General equation of second degree, equation of conic with its center at origin (with example)
	24-Jul-19	Asymptotes of Hyperbola (with example)
	25-Jul-19	To find the lengths and equation of the axes of a conic (with example)
	26-Jul-19	To find the eccentricity, foci and directrices of central conic (with example)
	27-Jul-19	To find the latus rectum, equation of axes and tangent, vertex of parabola (with example)
	28-Jul-19	<b>SUNDAY</b>
3	29-Jul-19	Trace of ellipse
	30-Jul-19	Trace of hyperbola
	31-Jul-19	<b>SHAHEED UDHAM SINGH MARTYRDOM DAY</b>
	1-Aug-19	Trace of parabola
	2-Aug-19	Problem discussion
	3-Aug-19	<b>HARIYALI TEEJ</b>
	4-Aug-19	<b>SUNDAY</b>
4	5-Aug-19	Test
	6-Aug-19	Tangent and normal of conic (with example)
	7-Aug-19	Problem discussion
	8-Aug-19	equation of a sphere in standard form, general form and diameter form of a sphere
	9-Aug-19	Sphere through four points
	10-Aug-19	Plane section of sphere
	11-Aug-19	<b>SUNDAY</b>
5	12-Aug-19	<b>ID-UL-ZUHA (BAKR-ID)</b>
	13-Aug-19	Intersection of two sphere (with example)
	14-Aug-19	Diameter of a polar plane
	15-Aug-19	<b>INDEPENDENCE DAY / RAKSHA BANDHAN</b>
	16-Aug-19	Problem discussion
	17-Aug-19	Test
	18-Aug-19	<b>SUNDAY</b>
6	19-Aug-19	equation of a cone with vertex at origin (with example)
	20-Aug-19	equation of the right circular cone (with example)
	21-Aug-19	equation of enveloping cone (with example)
	22-Aug-19	Represented by the general equation of second degree (with example)
	23-Aug-19	Problem discussion
	24-Aug-19	<b>JANAMASHTMI</b>
	25-Aug-19	<b>SUNDAY</b>
7	26-Aug-19	Test
	27-Aug-19	Intersection of a straight and a cone, condition of tendency
	28-Aug-19	Examples
	29-Aug-19	Definition of conicoids, central conicoids, equation of a plane
	30-Aug-19	Examples
	31-Aug-19	The equation of director sphere (with example)
	1-Sep-19	<b>SUNDAY</b>
8	2-Sep-19	Polar plane of a point and related theorems
	3-Sep-19	Examples
	4-Sep-19	To find the equation of enveloping cone from the point to the conicoid
	5-Sep-19	Examples
8	6-Sep-19	Plane section with a given centre (with example)
	7-Sep-19	Problem discussion
	8-Sep-19	<b>SUNDAY</b>
9	9-Sep-19	Test
	10-Sep-19	Definition of paraboloid, intersection of a line and paraboloid (with example)
	11-Sep-19	Normals and elliptic paraboloid, number of normals
	12-Sep-19	Central plane sections of a central conicoid and theorems
	13-Sep-19	Non-central plane sections of a central conicoid

	14-Sep-19	Problem discussion
	15-Sep-19	<b>SUNDAY</b>
<b>10</b>	16-Sep-19	Test
	17-Sep-19	Circular section (with example)
	18-Sep-19	Plane section of paraboloids and theorems
	19-Sep-19	Example
	20-Sep-19	Generating lines of a hyperboloid of one sheet and their properties
	21-Sep-19	Examples
	22-Sep-19	<b>SUNDAY</b>
<b>11</b>	23-Sep-19	<b>SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY</b>
	24-Sep-19	Problem discussion
	25-Sep-19	Test
	26-Sep-19	Reduction of second degree equation and their theorems
	27-Sep-19	(1)When all three roots of the disc. Are non zero
	28-Sep-19	(2)When one root of the disc.is zero
	29-Sep-19	<b>SUNDAY (MAHARAJA AGRASEN JAYANTI)</b>
<b>12</b>	30-Sep-19	<b>(3)when two roots of the disc.are equal</b>
	1-Oct-19	Problem discussion
	2-Oct-19	<b>MAHATMA GANDHI JAYANTI</b>
	3-Oct-19	Test
<b>12</b>	4-Oct-19	Definition of confocal conicoids and their theorems
	5-Oct-19	Continue
	6-Oct-19	<b>SUNDAY</b>
<b>13</b>	7-Oct-19	equation of enveloping cone (with example)
	8-Oct-19	<b>DUSSHERA</b>
	9-Oct-19	Test
	10-Oct-19	Definition of cylinder, their theorme
	11-Oct-19	Right circular cylinder, equation of right circular in standard form and general form
	12-Oct-19	Problem discussion
	13-Oct-19	<b>SUNDAY (MAHARISHI VALMIKI JAYANTI)</b>
<b>14</b>	14-Oct-19	Equation of enveloping cylinder (with example)
	15-Oct-19	Definition of polar co-ordinates and related theorems
	16-Oct-19	Conic section of polar form and examples
	17-Oct-19	<b>KARVA CHAUGH</b>
	18-Oct-19	Examples
	19-Oct-19	Problem discussion
	20-Oct-19	<b>SUNDAY</b>
	<b>15</b>	21-Oct-19
22-Oct-19		Confocals conics, related theorems
23-Oct-19		Examples
24-Oct-19		<b>VACATION -I (DIWALI)</b>
25-Oct-19		<b>VACATION -I (DIWALI)</b>
26-Oct-19		<b>VACATION -I (DIWALI)</b>
27-Oct-19		<b>SUNDAY (VACATION - I (DIWALI)</b>
<b>16</b>	28-Oct-19	<b>VACATION -I (DIWALI)</b>
	29-Oct-19	<b>VACATION -I (DIWALI)</b>
	30-Oct-19	<b>VACATION -I (DIWALI)</b>
	31-Oct-19	Test
<b>16</b>	1-Nov-19	<b>HARYANA DAY</b>
	2-Nov-19	System of conics, their theorems
	3-Nov-19	<b>SUNDAY</b>
<b>17</b>	4-Nov-19	Examples
	5-Nov-19	Examples
	6-Nov-19	problem discussion
	7-Nov-19	Test
	8-Nov-19	Confocal conicoids
	9-Nov-19	Confocal conicoids
	10-Nov-19	<b>SUNDAY</b>
<b>18</b>	11-Nov-19	Confocal conicoids
	12-Nov-19	Related examples
	13-Nov-19	Test
	14-Nov-19	Parameter of two confocal
	15-Nov-19	Parameter of two confocal
	16-Nov-19	Problem discussion
	17-Nov-19	<b>SUNDAY</b>

19	18-Nov-19	Test
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