



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2019 - 2020
Class: XII

Subject : **Bio Technology (045)**

Subject Coordinator

Name: Manish Tiwari

Sign:

Head of Department

Name: Manish Tiwari

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2019 - 2020

Subject : Bio Technology (045) **Class** : XII **No. of periods** : 97

Month	Assessed in	Lesson/s to be covered	Period Count
March	N/A	No Schedule	NIL
Arpil	May	rDNA Technology	11
May	July	rDNA Technology, Plant Cell Culture	12
July	July	Plant Cell Culture, Genomics & Bio Informatics	14
Aug	Sept	Animal Cell Culture, Microbial Culture, Protein Engineering	19
Sept	Sept	Protein Engineering, Half Yearly Examination	07
Oct	Nov	Half Yearly Examination, Practical Demonstrations, Back Questions, Modal Questions & Overall Revision	09
Nov	Dec	Practical Demonstrations, Back Questions, Modal Questions & Overall Revision, 1 st Pre Board Examination	09
Dec	Dec-Jan	Practical Demonstrations, Back Questions, Modal Questions & Overall Revision, CBSE Previous Years Papers, 2 nd Pre Board Examinations	16
Jan	March	2 nd Pre Board Examination, Farewell	NIL

Subject coordinator: Manish Tiwari



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2019 - 2020

Subject: Bio Technology (045)

Class : XII

No. of periods : 41

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
March	11/3/19	16/3/19	No Schedule	NIL
	19/3/19	23/3/19	No Schedule	NIL
	25/3/19	30/3/19	No Schedule	NIL
April	01/04/19	06/04/19	No Schedule	NIL
	08/04/19	13/04/19	rDNA Technology	03
	15/04/19	20/04/19	rDNA Technology	03
	22/4/19	27/4/19	rDNA Technology	05
May	29/4/19	04/5/19	rDNA Technology	04
	06/5/19	11/5/19	rDNA Technology	04
	13/5/19	19/5/19	Unit Test 1	NIL
	20/5/19	25/5/19	Unit Test 1, Plant Cell Culture	04
	27/5/19	31/5/19	PTM & SUMMER BREAK BEGINS	NIL
JULY	01/7/19	6/7/19	Plant Cell Culture	05
	8/7/19	13/7/19	Plant Cell Culture, Genomics & Bio Informatics	04
	15/7/19	20/7/19	Genomics & Bio Informatics	05
	22/7/19	27/7/19	Unit Test 2	NIL
AUG	29/7/19	3/8/19	Animal Cell Culture	04

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Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2019 - 2020

Subject: Bio Technology (045)

Class : XII

No. of periods : 40

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
	5/8/19	10/8/19	Animal Cell Culture, Microbial Culture	04
	12/8/19	17/8/19	Microbial Culture	02
	19/8/19	24/8/19	Microbial Culture, Protein Engineering	04
	26/8/19	31/9/19	Protein Engineering	05
SEPT	2/9/19	7/9/19	Protein Engineering	04
	9/9/19	14/9/19	Protein Engineering, Revision for Half Yearly	03
	16/9/19	21/9/19	Half Yearly Examination	NIL
	23/9/19	28/9/19	Half Yearly Examination	NIL
OCT	30/9/19	5/10/19	Half Yearly Examination, Practical Demonstration, Back Questions, Modal Questions and Overall Revision	02
	7/10/19	12/10/19	Practical Demonstration, Back Questions, Modal Questions and Overall Revision	01
	14/10/19	19/10/19	Practical Demonstration, Back Questions, Modal Questions and Overall Revision	03
	21/10/19	26/10/19	Practical Demonstration, Back Questions, Modal Questions and Overall Revision	03
NOV	28/10/19	2/11/19	Overall Revision of Entire Syllabus, Practice Exercises, Back Questions & Modal/Surprise Test	02
	4/11/19	9/11/19	Overall Revision of Entire Syllabus, Practice Exercises, Back Questions & Modal/Surprise Test	04
	11/11/19	16/11/19	Overall Revision of Entire Syllabus, Practice Exercises, Back Questions & Modal/Surprise Test	03
	18/11/19	23/11/19	1 st Pre Board Examination	NIL
	25/11/19	30/11/19	1 st Pre Board Examination	NIL

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Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2019 - 2020

Subject: Bio Technology (045)

Class : XII

No. of periods : 16

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
DEC	2/12/19	7/12/19	Overall Revision of Entire Syllabus, Practice Exercises, Back Questions & Modal/Surprise Test	05
	9/12/19	14/12/19	Overall Revision of Entire Syllabus, Practice Exercises, Back Questions & Modal/Surprise Test	04
	16/12/19	21/12/19	Overall Revision of Entire Syllabus, Practice Exercises, Back Questions & Modal/Surprise Test	05
	23/12/20	28/12/19	CBSE Previous Years Papers	02
JAN	30/12/19	4/1/20	2 nd Pre Board Examination	NIL
	6/1/20	11/1/20	2 nd Pre Board Examination	NIL
	13/1/20	18/1/20	2 nd Pre Board Examination, PTM	NIL
	20/1/20	25/1/20	Farewell	NIL

Subject coordinator:

Manish Tiwari



Sir Padampat Singhanian Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: <u>11/03/2019</u> to <u>16/03/2019</u>		Period Count: NIL	
	No Schedule	-	
		-	
WEEK 2: <u>18/03/2019</u> to <u>23/03/2019</u>		Period Count: NIL	
	No Schedule	-	
		-	
		-	

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Principal/V. Principal



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Weekly planning overview

Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 3: <u>25/03/2019</u> to <u>30/03/2019</u>		Period Count: NIL	
	No Schedule	-	
		-	
		-	
WEEK 4: <u>01/04/2019</u> to <u>06/04/2020</u>		Period Count: NIL	
	No Schedule	-	

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Session: 2019 - 2020

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Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 5: <u>08/04/2019</u> to <u>13/04/2019</u>		Period Count: 03	
PD1	rDNA Technology	-	
PD2	rDNA Technology	-	
PD3	rDNA Technology	-	
WEEK 6: <u>15/04/2019</u> to <u>20/04/2019</u>		Period Count: 03	
PD1	rDNA Technology	-	
PD2	rDNA Technology	-	
PD3	rDNA Technology	-	

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Kamla Nagar, Kanpur

Weekly planning overview

Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 7: <u>22/04/2019</u> to <u>27/04/2019</u>		Period Count: 05	
PD1	rDNA Technology	-	
PD2	rDNA Technology	-	
PD3	rDNA Technology	-	
PD4	rDNA Technology	-	
PD5	rDNA Technology	-	
WEEK 8: <u>29/04/2019</u> to <u>04/05/2019</u>		Period Count: 04	
PD1	rDNA Technology	-	
PD2	rDNA Technology	-	
PD3	rDNA Technology	-	
PD4	rDNA Technology	-	

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Kamla Nagar, Kanpur

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Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 9: <u>06/05/2019</u> to <u>11/05/2019</u>		Period Count: 04	
PD1	rDNA Technology	-	
PD2	rDNA Technology	-	
PD3	rDNA Technology	-	
PD4	rDNA Technology	-	
WEEK 10: <u>13/05/2019</u> to <u>19/05/2019</u>		Period Count: NIL	
13/05/2019 to 19/05/2019 – I Unit Test			

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Kamla Nagar, Kanpur

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Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 11: <u>20/05/2019</u> to <u>25/05/2019</u>		Period Count: 04	
PD1	Unit Test 1	-	
PD2	Plant Cell Culture	-	
PD3	Plant Cell Culture	-	
PD4	Plant Cell Culture	-	
WEEK 12: <u>27/05/2019</u> to <u>31/05/2019</u>		Period Count: NIL	
PTM Summer Vacation begins			

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Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 13: <u>01/07/2019</u> to <u>06/07/2019</u>		Period Count: 05	
PD1	Plant Cell Culture	-	
PD2	Plant Cell Culture	-	
PD3	Plant Cell Culture	-	
PD4	Plant Cell Culture	-	
PD5	Plant Cell Culture	-	
WEEK 14: <u>08/07/2019</u> to <u>13/07/2019</u>		Period Count: 04	
PD1	Plant Cell Culture	-	
PD2	Plant Cell Culture	-	
PD3	Genomics & Bio Informatics	-	
PD4	Genomics & Bio Informatics	-	

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Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 15: <u>15/07/2019</u> to <u>20/07/2019</u>		Period Count: 05	
PD1	Genomics & Bio Informatics	-	
PD2	Genomics & Bio Informatics	-	
PD3	Genomics & Bio Informatics	-	
PD4	Genomics & Bio Informatics	-	
PD5	Genomics & Bio Informatics	-	
WEEK 16: <u>22/07/2019</u> to <u>27/07/2019</u>		Period Count: NIL	
	Unit Test 2		

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Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 17: <u>29/07/2019</u> to <u>03/08/2019</u>		Period Count: 04	
PD1	Animal Cell Culture	-	
PD2	Animal Cell Culture	-	
PD3	Animal Cell Culture	-	
PD4	Animal Cell Culture	-	
WEEK 18: <u>05/08/2019</u> to <u>10/08/2019</u>		Period Count: 04	
PD1	Animal Cell Culture	-	
PD2	Animal Cell Culture	-	
PD3	Microbial Culture	-	
PD4	Microbial Culture	-	

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Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 19: <u>12/08/2019</u> to <u>17/08/2019</u>		Period Count: 02	
PD1	Microbial Culture	-	
PD2	Microbial Culture	-	
WEEK 20: <u>19/08/2019</u> to <u>24/08/2019</u>		Period Count: 04	
PD1	Microbial Culture	-	
PD2	Microbial Culture	-	
PD3	Protein Engineering	-	
PD4	Protein Engineering	-	

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Session: 2019 - 2020

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Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 21: <u>26/08/2019</u> to <u>31/08/2019</u>		Period Count: 05	
PD1	Protein Engineering	-	
PD2	Protein Engineering	-	
PD3	Protein Engineering	-	
PD4	Protein Engineering	-	
PD5	Protein Engineering	-	
WEEK 22: <u>02/09/2019</u> to <u>07/09/2019</u>		Period Count: 04	
PD1	Protein Engineering	-	
PD2	Protein Engineering	-	
PD3	Protein Engineering	-	
PD4	Protein Engineering	-	

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Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 23: <u>09/09/2019</u> to <u>14/09/2019</u>		Period Count: 03	
PD1	Protein Engineering	-	
PD2	Protein Engineering	-	
PD3	Revision for Half Yearly Examination	-	
WEEK 24: <u>16/09/2019</u> to <u>21/09/2019</u>		Period Count: NIL	
Half Yearly Examination			

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Kamla Nagar, Kanpur

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Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 25: <u>23/09/2019</u> to <u>28/09/2019</u>			Period Count: NIL
Half Yearly Examination			
WEEK 26: <u>30/09/2019</u> to <u>05/10/2019</u>			Period Count: 02
PD1	Question Paper Discussion	-	
PD2	Question Paper Discussion	-	
Half Yearly Examination, Gandhi Jayanti			

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Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

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Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 27: <u>07/10/2019</u> to <u>12/10/2019</u>		Period Count: 01	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
WEEK 28: <u>14/10/2019</u> to <u>19/10/2019</u>		Period Count: 03	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD2	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD3	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	

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Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 29: <u>21/10/2019</u> to <u>26/10/2019</u>		Period Count: 03	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD2	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD3	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
WEEK 30: <u>28/10/2019</u> to <u>02/11/2019</u>		Period Count: 02	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD2	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	

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Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 31: <u>04/11/2019</u> to <u>09/11/2019</u>		Period Count: 04	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD2	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD3	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD4	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
WEEK 32: <u>11/11/2019</u> to <u>16/11/2019</u>		Period Count: 03	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD2	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD3	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
1st Pre Board Examination Begins			

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Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 33: <u>18/11/2019</u> to <u>16/11/2019</u>			Period Count: NIL
1st Pre Board Examination			
WEEK 34: <u>25/11/2019</u> to <u>30/11/2019</u>			Period Count: NIL
1st Pre Board Examination			

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Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 35: <u>02/12/2019</u> to <u>07/12/2019</u>		Period Count: 05	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD2	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD3	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD4	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD5	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
WEEK 36: <u>09/12/2019</u> to <u>14/12/2019</u>		Period Count: 04	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD2	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD3	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD4	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
17/12/2020 – Pre Board 1 Examination			

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Kamla Nagar, Kanpur

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Session: 2019 - 2020

Subject : Bio Technology

Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 37: <u>16/12/2019</u> to <u>21/12/2019</u>		Period Count: 05	
PD1	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD2	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD3	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD4	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
PD5	Practical Demonstrations, Back Questions, Modal Questions and Overall Revision	-	
WEEK 38: <u>23/12/2019</u> to <u>28/12/2019</u>		Period Count: 02	
PD1	CBSE Previous Year Papers	-	
PD2	CBSE Previous Year Papers	-	
2nd Pre Board Examination			

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Class : XII

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 39: <u>30/12/2019</u> to <u>04/01/2020</u>			Period Count: NIL
2nd Pre Board Examination			
WEEK 40: <u>06/01/2020</u> to <u>11/01/2020</u>			Period Count: NIL
2nd Pre Board Examination			

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Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 41: <u>13/01/2020</u> to <u>18/01/2020</u>			Period Count: NIL
	2 nd Pre Board Examination & PTM	-	
WEEK 42: 20/01/2020 : Farewell of class 12th			

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