

"Education for Knowledge, Science and Culture"

-Shikshanmaharashi Dr. Bapuji Salunkhe

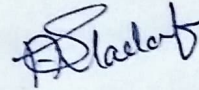
**Shri Swami Vivekanand Shikshan Sanstha's**  
**Vivekanand College, Kolhapur (An Empowered Autonomous Institute)**  
**Department of Biotechnology Optional**

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10/02/2025

**NOTICE**

Hereby it is informed to all students of B.Sc.II ,your unit test of r-DNA technology will be arranged , at 1.30 pm , Saturday 15/02/2025. It is compulsory all to attain it.



**Head of Department**



## Unit test – B.Sc. II Biotechnology Optional

Sub	Roll Call	Student name	Sign
1	7869	Beg Uzma Salim	<u>Beg</u>
2	7870	Biradar vaishnavi Madhukar	<u>Ab</u>
3	7871	Biradar Aryan raju	<u>AB Biradar</u>
4	7872	Chavan Swara Shjivaji	<u>Chav.</u>
5	7873	Desai Shaheen Shabbir	<u>Shaheen</u>
6	7874	Disle Prerana Shivaji	<u>Ab</u>
7	7875	Ghorapade Tanishka Manoj	<u>Ab</u>
8	7876	Hirave Riya Sanjay	<u>Hirave</u>
9	7877	Jadhav Prajwal Mohan	<u>Ab</u>
10	7878	Jadhav Shreepad Baban	<u>Shreepad</u>
11	7879	Kambale Aditya Vishwas	<u>Ab</u>
12	7880	Kamble Amrapali Yashwant	<u>Ab</u>
13	7881	Kamble Kran Suresh	<u>Kamble</u>
14	7882	Kolhapure Hafsa Rizwan	<u>Ab</u>
15	7883	Magdum Harshwardhan Annaso	<u>Harshwardhan</u>
16	7884	More Abhishekh Arun	<u>More</u>
17	7885	Nalang Tanvi Kiran	<u>Nalang</u>
18	7886	Patil Bhinandan babaso	<u>Patil</u>
19	7887	Patil Sakshi Prakash	<u>Sakshi</u>
20	7888	Patil Sanika Yuvraj	<u>SS. Patil</u>
21	7889	Patil Snehal Ananda	<u>Ab</u>
22	7890	Pendhari Ziya Mohammad Shafik	<u>Pendhari</u>
23	7891	Rawool amruta Subhash	<u>Rawool</u>
24	7892	Sakate Ritesh Kiran	<u>R.K. Sakate</u>
25	7893	Sangrute Atharv Ramesh	<u>Atharv Sangrute</u>
26	7894	Sawant Ankit Dipak	<u>Ab</u>
27	7895	Shaikh Mo'in Riyaj	<u>Shaikh</u>
28	7896	Shinde Bhakti Bhagavat	<u>Shinde</u>
29	7897	Shinde Kunal Vishal	<u>Shinde</u>



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4	7872	Chavan Swara Shjivaji	10
5	7873	Desai Shaheen Shabbir	13
6	7874	Disle Prerana Shivaji	12
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9	7877	Jadhav Prajwal Mohan	14
10	7878	Jadhav Shreepad Baban	15
11	7879	Kambale Aditya Vishwas	10
12	7880	Kamble Amrapali Yashwant	9
13	7881	Kamble Kran Suresh	13
14	7882	Kolhapure Hafsa Rizwan	8
15	7883	Magdum Harshwardhan Annaso	13
16	7884	More Abhishekh Arun	14
17	7885	Nalang Tanvi Kiran	11
18	7886	Patil Bhinandan babaso	5
19	7887	Patil Sakshi Prakash	10
20	7888	Patil Sanika Yuvraj	10
21	7889	Patil Snehal Ananda	10
22	7890	Pendhari Ziya Mohammad Shafik	13
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25	7893	Sangrulk Atharv Ramesh	6
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**Unit test – B.Sc. II Biotechnology Optional**

Mark -

11  
15

**Subject- r-DNA technology**

**Name of Student :- Arjun Birajdar**

1. Which of the following is an application of rDNA technology in medicine?

- ☒ Gene therapy
- ☐ Food preservation
- ☐ Renewable energy production
- ☐ Water purification

2. Which ethical concern is associated with R-DNA technology?

- ☒ Genetic manipulation and human cloning
- ☐ Environmental pollution
- ☐ Intellectual property rights
- ☐ Technological unemployment

3. Which organism is commonly used as a host for the production of recombinant proteins?

- ☒ Bacteria
- ☐ Plants
- ☐ Animals
- ☐ Fungi

4. What does R-DNA stand for in R-DNA Technology?

- ☐ Ribonucleic Acid-DNA
- ☒ Recombinant DNA
- ☐ Replication DNA
- ☐ Retroviral DNA

5. Which organism is often used as a host for recombinant DNA technology?

- ☐ Saccharomyces cerevisiae
- ☒ Drosophila melanogaster
- ☐ Arabidopsis thaliana
- ☐ Escherichia coli

6. What is the function of DNA ligase in R-DNA technology?

- ☐ Cutting DNA at specific sites
- ☐ Amplifying DNA
- ☒ Joining DNA fragments
- ☐ Transcribing RNA

7. What is the role of a vector in rDNA technology?

- ☒ To carry the recombinant DNA into host cells
- ☐ To amplify the DNA in a laboratory setting
- ☐ To cut the DNA into smaller fragments
- ☐ To analyze the DNA sequence

8. Which technique is used to amplify DNA sequences in the laboratory?

- ☒ Polymerase Chain Reaction (PCR)



**Unit test – B.Sc. II Biotechnology Optional**

**Subject- r-DNA technology**

Name of Student

Mark :-

13  
15

Riya sanjay Hirave

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$\frac{9}{15}$

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Name of Student

*Bhakti Bhagavat shinde.*

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Name of Student

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Sakshi Prakash Pati

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**Subject- r-DNA technology**

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Mark

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Sahika Yuvraj Patil.

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Unit test – B.Sc. II Biotechnology Optional

Mark -

10  
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Subject- r-DNA technology

Name of Student Swara Chavan

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  - ☐ Water purification
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  - ✓ ☒ To carry the recombinant DNA into host cells
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- ✓ 8. Which technique is used to amplify DNA sequences in the laboratory?
  - ✓ ☒ Polymerase Chain Reaction (PCR)



**Unit test – B.Sc. II Biotechnology Optional**

Mark -

5  
15

**Subject- r-DNA technology**

Name of Student **Patil Abinandan babaso**

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**Unit test – B.Sc. II Biotechnology Optional**

Mark -  $\frac{6}{15}$

**Subject- r-DNA technology**

Name of Student Atharv R. Sangurale

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Unit test - B.Sc. II Biotechnology Optional

Subject- r-DNA technology

Mark - 15

Name of Student

Moin Riyaj Sheikh

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**Unit test – B.Sc. II Biotechnology Optional**

Mark

13

15

**Subject- r-DNA technology**

Name of Student **Ziya M. Shafiq Pendham**

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## Unit test - B.Sc. II Biotechnology Optional

Mark -

1213

Subject- r-DNA technology

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Mark -

14  
15

**Subject- r-DNA technology**

**Name of Student** :- ABHISHEK ARON MORE

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**Subject- r-DNA technology**

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13  
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Name of Student - Karan. S. Kamble

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6. What is the function of DNA ligase in R-DNA technology?

☐ Cutting DNA at specific sites

☐ Amplifying DNA

☒ Joining DNA fragments

☐ Transcribing RNA

7. What is the role of a vector in rDNA technology?

☒ To carry the recombinant DNA into host cells

☐ To amplify the DNA in a laboratory setting

☐ To cut the DNA into smaller fragments

☐ To analyze the DNA sequence

8. Which technique is used to amplify DNA sequences in the laboratory?

☒ Polymerase Chain Reaction (PCR)



**Unit test – B.Sc. II Biotechnology Optional**

Mark -

15  
15

**Subject- r-DNA technology**

**Name of Student** *Shreepal Baban Jadhav*

1. Which of the following is an application of rDNA technology in medicine?

- ☒ Gene therapy
- ☐ Food preservation
- ☐ Renewable energy production
- ☐ Water purification

2. Which ethical concern is associated with R-DNA technology?

- ☒ Genetic manipulation and human cloning
- ☐ Environmental pollution
- ☐ Intellectual property rights
- ☐ Technological unemployment

3. Which organism is commonly used as a host for the production of recombinant proteins?

- ☒ Bacteria
- ☐ Plants
- ☐ Animals
- ☐ Fungi

4. What does R-DNA stand for in R-DNA Technology?

- ☐ Ribonucleic Acid-DNA
- ☒ Recombinant DNA
- ☐ Replication DNA
- ☐ Retroviral DNA

5. Which organism is often used as a host for recombinant DNA technology?

- ☐ Saccharomyces cerevisiae
- ☐ Drosophila melanogaster
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Mark -

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