

"Education for Knowledge , Science and Culture.

Shikshanmahareshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College Kolhapur.(Autonomous)

Department of Biotechnology (Optional)

Date: 20/02/2020

Notice

All students from B.Sc I Biotechnology (Optional) there will be a Internal Exam On 28/02/2020 and on at Room no. 42 Lab at 11:30a m. An attendance is compulsory for all as it is a part of Academics. So kindly be present on time.



Shrikant

Head of Department

Head

Department of Biotechnology (Optional)
Vivekanand College, Kolhapur (Autonomous)

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College (Autonomous), Kolhapur

THIRD YEAR BIOTECHNOLOGY {OPTIONAL}

Internal test

Roll no	Name of student	sign
8337	Akshay. Bansode	Bansode. A-J
8338	Janhavi. Varute	Varute
8339	Mayuri. Parit	
8340	Ajit. Khandekar	Akhadkar
8341	Sanket. Madhale	Madhale
8342	Shrutkirti. Shinde	Shinde
8343	Rutwik. Sonawane	Ros
8344	Rutuja. Londhe	Londhe
8345	Saloni. Lambu	Lambu
8346	Rahim. Shaikh	Shaikh
8347	Sudarshan. Redekar	Redekar
8348	Gourav. Magdum	Gorav
8349	Amruta. Bhalekar	Amruta. Bhalekar.
8350	Megha. Barge	Mabarge
8351	Kajal. Gaikwad	
8352	Rashi. Gaikwad	Rash
8353	Devyani. Ravan	Ravan
8354	Mrinal. Kirolkar	Present
8355	Ankita. Sanmukh	Sanmukh
8356	Varsharani. Chougle	Varsharani. Chougle.
8357	Ashutosh. Bhat	Ashutosh.

Vivekananda College, Kolhapur (Autonomous)

Department of Biotechnology (Opt)

Paper title- Gene technology and Bioinformatics

Marks -20

1. In DNA finger printing, Federal Bureau of Investigation uses set of ----- standard specific STR regions for CODIS.
a. 12 b. 13 c. 15 d. 16
2. ----- are VNTR loci developed by primer for flanking regions.
a. Microsatellite b. Microsatellite c. Multilocus d. Single locus
3. ----- developed the original probes to identify minisatellite .
a. Alec Jaffrey b. Gasket c. Watson d. Marks
4. DNA is extracted from sample by using ----- and dithiothritol.
a. DNase b. RNase c. Proteinase K d. Aldolase
5. Kinship analysis is an application of -----.
a. DNA fingerprinting b. Cromosal walking c. Antisense therapy
d. all
6. ----- is used in chromosomal jumping technique.
a. Rnase b. Restriction endonuclease c. λ DNA d. Dnase
7. In ----- technique stem cells are used.
a. Antisense therapy b. chromosomal walking
b. c. Chromosomal jumping d. gene targeting
8. In----- technique of gene transfer technique 10-30 ng of DNA can be transferred into nucleus of target cell.
a. Microinjection b. electroporation c. lliposome mediated
9. ----- is totipotent stem cell used in gene therapy.
a. Liver b. Bone marrow c. kidney d. Heart
10. In ----- lagging strand of DNA is used for gene therapy.
a. Antisense therapy b. chromosomal walking
c. Chromosomal jumping d. gene targeting
11. ----- is the data retrieval system of NCBI.
a) Entrez b) Google c) DBGet d) Search engine
- 12) Each record in a database is called an -----.
a) File b) Record c) Entry d) Accession number

14) ----- is the comprehensive database for the study of human genetics & molecular biology.

- a) PDB
- b) STAG
- c) OMIM
- d) PSD

15) Proteomics is the study of -----

- a) Set of proteins
- b) Set of proteins in specific region of cell
- c) entire set of expressed protein in a cell
- d) proteins associated with Lysosome

16) ----- is the member of International Nucleotide sequence database.

- a) DDBJ
- b) PDB
- c) SWISS PROT
- d) PIR

17) ----- is an example of homology and similarity tool.

- a) PROSPECT
- b) EMBOSS
- c) Rasmol
- d) BLAST

18) Human genome contain about -----.

- a) 2 billion base pair
- b) 3 billion base pair
- c) 4 billion base pair
- d) 5 billion base pair

19) ----- is used as computer annotated supplement to SWISS PROT.

- a) EMBL
- b) Tr- EMBL
- c) PDB
- d) CATH

20) Genbank is maintained by -----

- a) NCBI
- b) DDBJ
- c) EMBL
- d) EBI

B.Sc. III Biotechnology (Optional)

Internal Examination

Presently 2019-20

Date-25/02/2020

Sr.No.	Name of Students	Sign
1	Bansode Akshay	Bansode A.J
2	Barge Megha	M.Barge
3	Bhalekar Amruta	A.J.Bhalekar
4	Bhat Ashutosh	Ashutosh
5	Chougale Varsharani	Varsharani
6	Gaikwad Rashi	Rashi
7	Gaikwad Kajal	
8	Khandekar Ajit	Ajit
9	Kirolkar Mrinal	Mrinal
10	Lambu Saloni	Saloni
11	Londhe Rutuja	Rutuja
12	Madhale Sanket	Sanket
13	Magdum Gourav	Gourav
14	Parit Mayuri	
15	Ravan Devyani	Ravan
16	Redekar Sudarshan	Redekar
17	Sanmukh Ankita	Ankita
18	Shaikh Rahim	Rahim
19	Shinde Shruti	Shruti
20	Sonawane Rutwik	Rutwik
21	Varute Janavi	Janavi

Prachice Test

PAGE NO.:
DATE:

1
2

sodium alginate - 4%

Calcium Chloride - 2%

- 1) Suchita Dattatray Patil Patil
- 2) Bhagyashri Balasaheb Patil B.B. Patil
- 3) Bhagyashri Bhimrao Patil Patil
- 4) Aniket Ashok Katkar Katkar
- 5) Sakshi Santosh Pawar Pawar
- 6) Samudhi Vijaykumar Gaikwad Gaikwad
- 7) Snehal Ramchandra Redekar Redekar
- 8) Suraj Balwant Ramane Ramane
- 9) Tejas Bajirao Ombapse Ombapse
- 10) Prathmesh Krishnrat Madake Madake
- 11) Vivek & Dilip Koli Koli
- 12) Dipak Pandurang Tate Tate
- 13) Saniya Abdulgani Mujawarani Mujawarani
- 14) Snehal Satapa Hajare Hajare
- 15) Sandhyaani Natnder Patil Patil
- 16) Shradha Vikas Khinagare Khinagare
- 17) Veushali Pandweang Nangare Nangare
- 18) Pradnya Ramesh Desai Desai
- 19) Shriya Santosh Aralekar Aralekar
- 20] Veushali Khumbhar Khumbhar
- 21] Tejaswini Chougule Chougule

Vivekanand College, Kolhapur

SY Biotechnology (Optional)

Subject- Molecular Biology

Weekly Test - 2

Date: 08/07/2019

Time: 2.45-3.30pm

Marks: 10

Q.1) Multiple Choice Questions

- 1) _____ is used to synthesize primer.
a) DNA pol I b) DNA pol II
c) DNA pol III d) Primase

- 2) Exonucleases acts on
a) Phospho-diester Bond b) Hydrogen Bond
c) Van der Waals forces d) Ionic Interaction

- 3) DNA Polymerase III has _____ activities.
a) 3' to 5' pol & 3' to 5' Exo b) 3' to 5' pol & 5' to 3' Exo
c) 5' to 3' pol & 5' to 3' Exo d) 5' to 3' pol & 3' to 5' Exo

- 4) E.coli ori C is _____ bp sequence.
a) 240 b) 245
c) 250 d) 260

- 5) The synthesis of DNA fragment after removal of primer is work of _____.
a) DNA Ligase b) DNA pol II
c) DNA pol I d) DNA pol III

- 6) Following strands represents Leading & Lagging strand respectively ;
a) 5' to 3' & 3' to 5' b) 5' to 3' & 5' to 3'
c) 3' to 5' & 3' to 5' d) 3' to 5' & 5' to 3'

- 7) DNA pol can add nucleotides at
a) 3' Phosphate b) 3' OH
c) 5' Phosphate d) 5' OH
- 8) activity of DNA pol III helps in Proof Reading.
a) 3' to 5' polymerase b) 3' to 5' Exonuclease
c) 5' to 3' polymerase d) 5' to 3' Exonuclease
- 9) Rolling circle mode of replication is
a) Conservative b) Non Conservative
c) Semi conservative d) Dispersed
- 10) Ori C consist of cluster of
a) 3 copies of 9 mer X 4copies of 13 mer b) 3 copies of 13 mer X 4 copies of 9 mer
c) 9 copies of 3 mer X 13copies of 4 mer d) 9 copies of 13 mer X 4copies of 13 mer

OMR

1.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
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3.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
4.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
5.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
6.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
7.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
8.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
9.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
10.	<input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D