

"Education for Knowledge , Science and Culture.  
Shikshanmaharshi Dr. Bapuji Salunkhe  
Shri Swami Vivekanand Shikshan Sanstha's  
**Vivekanand College Kolhapur.( Autonomous)**  
Department of Biotechnology ( Optional)

Date: 01/07/2018

**Notice**

All students from B.Sc II Biotechnology (Optional ) there will be a Internal Exam On 07/07/2019 and on at Biochemistry Lab at 2: 30 pm. An attendance is compulsory for all as it is a part of Academics. So kindly be present on time.



A handwritten signature in blue ink, appearing to be "D. D. D. D."

**Head of Department**

**Head**

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

Date  
07/07/2018

Name

- 1) Saloni Vijay Lambu.
- 2) Megha Nandkumar Barge.
- 3) Hujal Vasant Gaikwad.
- 4) Mayuri Sanjay Parit
- 5) Rutuja Netaji Londhe
- 6) Varsharani Prakash Chougale
- 7) Bhat Ashitosh Govind
- 8) Sudarshan Narayan Redekar
- 9) SANKET SANJAY MADHALE
- 10) Rahimi Munvarali Shaikh
- 11) Tejwanti Dhanaji Suryavanshi
- 12) Amruta Sanjay Bhalekar
- 13) Ankita. B. Samruth

Sign

Lambu.

Barge.

Gaikwad

Parit

Londhe

Chougale.

Bhat

Redekar

Madhale

Shaikh

Suryavanshi.

Bhalekar.

Ankita

1. Synthesis of DNA from mRNA is known as \_\_\_\_\_.  
a) Replication b) Transcription c) Translation d) Reverse Transcription
2. \_\_\_\_\_ is an example of Prokaryotic organism.  
a) *Arabidopsis thaliana* b) *Sea urchins* c) *E. coli* d) *Mus musculus*
3. \_\_\_\_\_ is a linker histone.  
a) H2A b) H2B c) H1 d) H3
4. \_\_\_\_\_ is a property on Euchromatin.  
a) Takes Dark Stain b) Contains Repetitive Sequences c) Densely Packed d) lightly packed
5. The Stress on unwinded DNA molecule is released by \_\_\_\_\_.  
a) Helicase b) SSBP c) Topoisomerase d) DNA polymerase
6. Activity of \_\_\_\_\_ requires ATP.  
a) Helicase b) SSBP c) Topoisomerase d) DNA Ligase
7. *E. coli* contains 4.64Mbp i.e. \_\_\_\_\_ bp.  
a) 46400 b) 0000.464 c) 9.2800 d) 4640000
8. In dsDNA the percentage of A + G is \_\_\_\_\_.  
a) 20% b) 50% c) 80% d) 100%
9. A segment of dsDNA has 120 Adenine & 120 Cytosine bases. The total number of nucleotides present in segment is \_\_\_\_\_.  
a) 120 b) 80 c) 240 d) 480
10. Mitosis is the feature of \_\_\_\_\_ of Cell division.  
a) G1 phase b) S phase c) G2 phase d) M phase
11. In prokaryotes DnaB protein shows \_\_\_\_\_ activity.  
a) Ligase b) Polymerase c) Helicase d) Topoisomerase
12. Tus stands for \_\_\_\_\_.  
a) Terminal UAA Sequence b) Terminus Utilizing Sequence c) Termination UAA site d) Terminal UGA Site
13. In Deoxyribose \_\_\_\_\_ is absent.  
a) 1° b) 2° c) 3° d) 4°
14. B-DNA contains \_\_\_\_\_ nucleotides per turn.  
a) 10 b) 11 c) 12 d) 13
15. \_\_\_\_\_ is an immune acid

a) Tryptophan b) Proline c) Glutamine d) Arginine

16. Specific 3D structure of protein is acquired at \_\_\_\_\_ level.

a) Primary b) Secondary c) Tertiary d) Quaternary

17. RNA polymerase I is required in \_\_\_\_\_ synthesis.

a) rRNA b) mRNA c) tRNA d) hnRNA

18. \_\_\_\_\_ guides RNA polymerase II to the DNA for mRNA synthesis.

a) TF II A b) TF II B c) TF II F d) TF II D

19. After few abortive transcription Sigma factor leaves the RNA pol & DNA, this event is known as \_\_\_\_\_.

a) Open Binary Complex b) Closed Binary Complex c) Open Ternary Complex d) Promoter Clearance

20. The energy required for formation of Phospho-diester bond is due to release of \_\_\_\_\_.

a) Monophosphate b) Diphosphate c) Triphosphate d) Tetraphosphate

21. Translation occurs in the \_\_\_\_\_.

a) Nucleus b) Cytoplasm c) Nucleolus d) Lysosome

22. In prokaryotes, the ribosomal binding site on mRNA is called \_\_\_\_\_.

a) Enhancer sequence b) Kozak sequence c) Shine dalgarno sequence d) Pribnow box

23. The role of enzyme Peptidyl transferase in translation is \_\_\_\_\_.

a) Add phosphate group b) Amino acid activation c) Peptide bond formation d) Ribosome binding

24. In Lac operon, repressor protein bind to the \_\_\_\_\_ of operon.

a) Promoter b) Operator c) Lac Z gene d) Lac Y gene

25. In the N-linked glycoprotein, the carbohydrate are attached to \_\_\_\_\_ amino acid.

a) Valine b) Serine c) Threonine d) Asparagine

Date 09.07.2018

- 1.) Minal. Maruti. Kirokhar
2. Janhavi Dnyandev varute
3. Shrutkirti Shahaji Shinde
4. Saloni Vijay Lambu.
5. Varsharani Prakash Chougale
- 6) Rahim Munvarali shaikh
- 7) Sudarshan - Narayan - Redekar
- 8) Mayuri Sanjay Parit
- 9) Kejal Vasant Gaikwad.
- 10) Amruta. sanjay. Bhalekar
- 11) Megha Nandkumar Barge.
- 12) Ankita - B. Sammukh.
- 13) Ashitosh G. Bhot

Minal

Janhavi

Shrutkirti

Lambu.

Chougale.

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89506

Janhavi D. varute - 1422

Class - Bsc-II Biotech (opt)

Date - 11-7-18

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Date: 11/7

Name

Sign.

- 1) SANKET SANJAY MAHALE S. Mahale
- 2) Rahim . M. Shaikh R. Shaikh
- 3) Ashitosh Govind Bhat A. Bhat
- 4) Ajit vishwas khondekar A. Khondekar
- 5) Atshay J. Gansode A. Gansode
- 6) Sudarshan . N. Redekar S. Redekar
- 7) Gourav . Babasa Magdum G. Magdum
- 8) Sourabh G. Madake S. Madake
- 9) Aretwik G. Sonawane A. Sonawane
- 10) Tejwanti D. Suryavanshi T. D. Suryavanshi
- 11) Amruta . S. Bhalekar A. S. Bhalekar
- 12) Mayuri S. Parit M. Parit
- 13) Saloni Vijay Lambu. S. Lambu
- 14) Megha Nandkumar Barge M. Barge
- 15) Shrutkoti Shahaji Shinde S. Shinde
16. Janhavi Dnyandevar Varute J. Varute
- 17) Minal . M. Kulkarni M. Kulkarni
- 18) Ankita . B. Sanmukh A. Sanmukh

Class - B.Sc. III (Biotech Opt)

Date - 13-07-18

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Date: 11

	Name	sgn
1)	Rahim - M. Shaileh	Sharkh
2)	Ashitosh G. Bhoirade	Bhoirade
3)	Akshay J. Bansode	Bansode
4)	SANKET S. MADHALE	Sonawane
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6)	Magadum Gaurav Babasaheb.	Magadum
7)	Rutwik Ganapati Sonawane	Raf
8)	Ajit Vishwas Khendekar	Akhendekar
9)	Varsharani Prakash Chougale	Chougale
10)	Rutuja Netaji Londhe	Londhe
11)	Amruta Sanjay Bhalekar	Bhalekar
12)	Tejwanti Dhanaji Suryavanshi	Suryavanshi
13)	Mhinal. Mahesh. Kulkarni	Mhinal
14)	Janhavi Dnyandev Warute	Warute
15)	Saloni Vijay Lambu.	Lambu
16)	Megha Nandkumar Barge	Barge

- Q1) The pure culture of a selected strain of yeast is called as -----
- a) Initiating microorganism      b) Leavens      c) mutant strain inoculants  
 d) Auxotrophic inoculants
- Q12) Xanthan gum is a -----
- a) Protein    b) Polysaccharide    c) Lipid    d) Disaccharide
- Q13) Lactic acid is a -----
- a) Aerobic fermentation    b) Anaerobic fermentation    c) Partially aerobic fermentation  
 d) Partially anaerobic fermentation
- Q14) ----- unusual nucleotide is present on Vitamin B12.
- a) 5, 6 Diethyl benzimidazole ribonucleotide    b) 5, 6 Dimethyl benzimidazole ribonucleotide  
 c) 3, 4 Diethyl benzimidazole ribonucleotide    d) 2, 3 Diethyl benzimidazole ribonucleotide
- Q15) Gibberellin was named after a fungus called -----.
- a) *Gibberella africana*    b) *Gibberella gaditijri*    c) *Gibberella fujikuroi*    d) *Gibberella acuminata*
- Q16) Asparaginase enzyme act on -----
- a) Aspartic acid    b) Asparagine    c) Aspartame    d) Ascorbic acid
- Q17) Spirulina is a -----
- a) Edible fungus    b) biofertilizer    c) biopesticide    d) single cell protein
- Q18) Vinegar production consist of -----
- a) aerobic fermentation    b) anaerobic fermentation    c) aerobic fermentation followed by anaerobic fermentation  
 d) anaerobic fermentation followed by aerobic fermentation
- Q19) ----- is the most common method for citric acid fermentation.
- a) Solid state fermentation    b) submerged fermentation    c) surface fermentation    d) surface adhesion fermentation
- Q20) ----- act as a contaminant for penicillin production.
- a) *B. subtilis*    b) *E. coli*    c) *S. aureus*    d) *B. megaterium*