

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)
Department of Microbiology
Academic year 2019-20

B.Sc I

Notice

Date: 20/05/2020

All the students of B.Sc. III Microbiology are hereby informed that, the online unit test is scheduled on **29/05/2020 at 10.00 a.m.** Please make it convenient to be submit the test on time.

Link will be provided on the day of test.




HEAD
DEPARTMENT OF MICROBIOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)



B. Sc. I Microbiology online test

Questions

Responses

35

Settings Total points: 20

Section 1 of 2

B. Sc. I Microbiology online test



Cell cytology and morphology |

B

I

U



Enter your name *

Short-answer text

Enter your class *

Short-answer text



Tt



B. Sc. I Microbiology

*Required

1. Enter your name *

2. Enter your class *

3. Enter your roll number *

Multiple choice
questions

Select most correct alternative from given alternatives. 20
Marks

4. The outer membrane of Gram positive bacterial cell wall is anchored to the peptidoglycan layer by means of..... *

Mark only one oval.

- Braun's lipoprotein
- Phospholipids
- Proteins
- Lipopolysaccharides



5. organism have more than one chromosome. *

1 point

Mark only one oval.

- Begiatoa spp.
 Borrella bugdoferi
 P. aeruginosa
 V. cholerae

6. The cell membrane is also called 'Unit membrane', because..... *

1 point

Mark only one oval.

- It gives protection to the cell
 Cell can not serve without it
 It has same composition in all living cells
 It serves as selective permeable barrier

7. Ribosomes in Prokaryotic cells are..... *

1 point

Mark only one oval.

- 30s & 50s
 40s & 50s
 60s & 40s
 50s & 40s

8. The membranous infolding which is supposed to be the site of DNA replication is called..... *

1 point

Mark only one oval.

- Plasmid
 Cell Membrane
 Mesosome
 Nucleoid



9. In.....flagellar arrangement, several flagella are observed at one pole of the cell. * 1 point

Mark only one oval.

- Monotrichous
 Amphitrichous
 Lophotrichous
 Peritrichous

10. The cortex of spore is surrounded by phospholipid bilayer called..... * 1 point

Mark only one oval.

- Spore coat
 Outer membrane
 Exosporium
 Core wall

11. granules are also known as Babes-Ernst granules. * 1 point

Mark only one oval.

- Polyhydroxybutyrate
 Glycogen
 Sulphur
 Polyphosphate



12. The region in prokaryotic cell where its genome is found called:..... * 1 point

Mark only one oval.

- Nucleoplasm
 Nucleoid
 Nucleus
 Pronucleus

13. The extremely fine extracellular structures involved in cell to cell contact is..... *

Mark only one oval.

- Flagella
 Capsule
 Cilia
 Pili

14. is the site of energy production in prokaryotes. * 1 point

Mark only one oval.

- Cell wall
 Cell membrane
 Ribosome
 Cytoplasm

15. Bacterial chromosome is * 1 point

Mark only one oval.

- Single stranded and circular
 Double stranded and circular
 Single stranded and linear
 Double stranded and linear



16. granules are found only in prokaryotes. *

1 point

Mark only one oval.

- Glycogen
- Polyhydroxy butyrate
- Polyphosphate
- None of these

17. amino acid is not found in tetra peptide side chain of peptidoglycan of Gram positive bacterial cell wall. *

1 point

Mark only one oval.

- D-glutamic acid
- L-alanine
- L-lysine
- L-glutamic acid

18. In the structure of flagella helps to anchor the flagellum in cell wall and cell membrane. *

1 point

Mark only one oval.

- Basal body
- Hook
- Filament
- Flagellin



19. component of spore can occupy as much as half of spore volume. * 1 point

Mark only one oval.

- Spore coat
 Core wall
 Central core
 Cortex

20. in the outer wall layer of Gram negative bacterial cell wall acts as membrane channel. * 1 point

Mark only one oval.

- Protein
 Phospholipid
 Lipoprotein
 Lipopolysaccharide

21. The surface component of bacterial cell that plays important role in bacterial conjugation is..... * 1 point

Mark only one oval.

- Cell wall
 Pili
 Flagella
 Capsule



22. Chemically bacterial capsules are made up of..... *

1 point

Mark only one oval.

- Homopolysachharide only
- Heteropolysachharide only
- Homopolysachharide or heteropolysachharide
- Homopolysachharide and heteropolysachharide

23. bacteria lacks cell wall and is therefore resistant to penicillin. * 1 point

Mark only one oval.

- Cyanobacteria
- Bdellovibrio
- Spirochetes
- Mycoplasma

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Google Forms



Vivekanand College (Autonomous), Kolhapur
Department of Microbiology
B.Sc.I Test

Timestamp	Score	Enter your name	Enter your class	Enter your roll number
29/05/2020 10:49:17	18 / 20	Phulabai prakash Powar	B.Sc.I	7380
29/05/2020 10:51:37	11 / 20	Veda Sunil Sakhalkar	B.Sc.-1	7384
29/05/2020 11:02:09	15 / 20	Pooja Bandopant Ranamale	B.Sc.-I	7382
29/05/2020 11:05:21	19 / 20	Pranav Shriram Datar.	B.Sc I	7360
29/05/2020 11:08:06	14 / 20	Yash Sandesh Barapatre	B.Sc 1	7359
29/05/2020 11:11:12	17 / 20	Prasad Ashok Bandivadekar	Bsc	7405
29/05/2020 11:43:37	15 / 20	Saniya Rajvardhan Sawant	F. Y	7386
29/05/2020 11:52:15	19 / 20	ASHWINI SHIVAJI KHOT	B.Sc I	7369
29/05/2020 11:52:37	20 / 20	Pranav Shriram Datar.	B.Sc. I	7360
29/05/2020 11:55:22	20 / 20	Pranav Shriram Datar	B.Sc I	7360
29/05/2020 12:03:22	20 / 20	Prasad Ashok Bandivadekar	Bsc	7405
29/05/2020 12:13:47	18 / 20	Yash Sandesh Barapatre	B.Sc 1	7359
29/05/2020 12:16:06	20 / 20	Prasad Ashok Bandivadekar	Bsc	7405
29/05/2020 12:27:35	20 / 20	ASHWINI SHIVAJI KHOT	B.Sc I	7369
29/05/2020 12:55:00	14 / 20	Aditi Ajay Jadhav	B.Sc 1	7412
29/05/2020 13:06:03	19 / 20	Pooja Bandopant Ranamale	B.Sc.-I	7382
29/05/2020 13:27:02	15 / 20	Shagufta Rizwan Moulavi Pathan	Bs.C FY	7375
29/05/2020 13:38:55	16 / 20	Saniya shaikh	Bsc-1	7387
29/05/2020 14:07:18	17 / 20	Pratiksha Prabhakar Pange	F.Y.Bsc	7377
29/05/2020 14:44:02	18 / 20	Siddhi dhananjay salwankar	F. Y B.sc	7385
29/05/2020 14:59:35	12 / 20	Sujata Ramashish Dixit	B.sc 1	7362
29/05/2020 15:01:26	17 / 20	Sana Chand Mullani	B.Sc1	7376
29/05/2020 15:01:59	18 / 20	Vaishnavi vinayak ghadage	B. Sc1	7363
29/05/2020 15:02:42	19 / 20	Shraddha Adinath Davang	B.Sc.I	7361
29/05/2020 15:06:17	18 / 20	Shraddha Adinath Davang	B.Sc 1	7361



29/05/2020 15:11:47	7 / 20	Vinaya Mohan jadhav	Bsc1	7389
29/05/2020 15:46:10	20 / 20	Siddhi dhananjay salwankar	F. Y B.sc	7385
29/05/2020 16:03:22	15 / 20	Shamita Shital Patil	B.sc1	7378
29/05/2020 18:10:07	20 / 20	Phulabai prakash powar	B.Sc.1	7380
29/05/2020 20:49:35	4 / 20	Divya Vitthal Wakrushe	B.Sc FY	7274
30/05/2020 15:01:21	12 / 20	Anagha avinash banage	B. Sc 1	7358
30/05/2020 19:52:02	16 / 20	Ruchita Prashant Mahadik	B.Sc1	7372
30/05/2020 20:09:00	20 / 20	Vinaya Mohan jadhav	Bsc 1	7389
03/08/2020 14:05:01	6 / 20	Rushi	BSc 2	590



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

Department of Microbiology

Academic year 2019-20

B.Sc II

Notice

Date: 12/05/2020



All the students of B.Sc.II Microbiology are hereby informed that, the online unit test of Immunology is scheduled on **22/05/2020 at 10.00 a.m.** Please make it convenient to be submit the test on time.

Link will be provided on the day of test.




V.V.Misal
HEAD
DEPARTMENT OF MICROBIOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

1:05

4G+  



docs.google.com/fori



19



Untitled form

Questions

Responses

36

Settings Total points: 20

Section 1 of 2

B. Sc. II Microbiology



Immunology and Medical Microbiology

B

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U



Enter your name *

Short-answer text

Enter your class *

Short-answer text



B. Sc. II Microbiology

*Required

1. Enter your name *

2. Enter your class *

3. Enter your roll number *

4. Date *

Example: 7 January 2019

Multiple choice questions

Select most correct alternative from given alternatives. 20
Marks

5. The ABO blood group antigens are..... * 1 point

Mark only one oval.

- Auto antigens
- Heterophile antigens
- Histocompatibility antigens
- Iso antigens



6. is a antiviral agent, which is a part of second line of defense and inhibits viral replication. * 1 point

Mark only one oval.

- Lysozyme
 Properdin
 Interferon
 Bacteriocin

7. The total resistance shown by all members of a species to a pathogen is known as.....immunity. * 1 point

Mark only one oval.

- Racial
 Individual
 Species
 Specific

8. A fever is defined as an increase in oral temperature of..... or rectal temperature about..... * 1 point

Mark only one oval.

- 98.6 C and 99.5 C
 99.4 C and 99.6 C
 98.5 C and 99.6 C
 98.8 C and 99.5 C



9. Human leukocyte antigen (HLA) is an example of..... antigen. * 1 point

Mark only one oval.

- Heterophile
 Histocompatibility
 Auto
 Iso

10. Antibodies are chemically..... * 1 point

Mark only one oval.

- Proteins
 lipoproteins
 Carbohydrates
 Glycoproteins

11. During inflammation, activation of mast cells requires..... * 1 point

Mark only one oval.

- Decreased pH
 Binding of Bradikinin to mast cells
 Binding of Bradikinin to capillary receptors
 Increased permeability of mast cells

12. The macrophages those are found in brain are called..... * 1 point

Mark only one oval.

- Giant cells
 Kupffer cells
 Alveolar macrophages
 Microglia



13. The transfer of immunity from donor to an recipient by transferring antibodies is known as..... * 1 point

Mark only one oval.

- Artificial active immunity
 Natural active immunity
 Artificial passive immunity
 Natural passive immunity

14. The pooled sera refers to..... * 1 point

Mark only one oval.

- Serum prepared by injecting animal with toxoids
 Serum from healthy adults
 Serum from person recovering after infectious disease
 Serum prepared by injecting human with antigens

15. antibodies are also known as "reagin antibodies". * 1 point

Mark only one oval.

- Ig E
 Ig G
 Ig M
 Ig D

16. of the following is not a commensal of skin. * 1 point

Mark only one oval.

- Staph. aureus
 Propionibacterium acne
 Candida albicans
 Staph. epidermidis

17. The number of antigenic determinants per molecule of antigen is referred to as..... * 1 point

Mark only one oval.

- Total valency
 Absolute valency
 Functional valency
 None of these

18. of the following is not a pyrogen. * 1 point

Mark only one oval.

- IL-1
 IL-6
 Tissue necrotic factor
 Complement system

19. The antigen which exists on the surface of cells of unrelated plants, animals and bacteria but are identical and can cross react with others is..... * 1 point

Mark only one oval.

- Iso antigen
 Heterophile antigen
 Auto antigen
 Histocompatibility antigen



20. According to theory, antibodies are formed during embryonic life. * 1 point

Mark only one oval.

- Natural selection
 Side chain
 Clonal selection
 Direct template

21. In the structure of antibodies, carbohydrate moieties are associated with..... * 1 point

Mark only one oval.

- Constant region of Heavy chain
 Variable region of heavy chain
 Constant region of light chain
 Variable region of light chain

22. is not a phagocytic cell. * 1 point

Mark only one oval.

- Monocyte
 Macrophage
 Polymorpho nuclear leukocyte
 B cell



23. Eye lens protein is an example of.....antigen. *

1 point

Mark only one oval.

- Auto
- Iso
- Heterophile
- Histocompatibility

24. is the earliest antibody synthesized by the fetus. *

1 point

Mark only one oval.

- Ig G
- Ig M
- Ig D
- Ig A

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Vivekanand College (Autonomous), Kolhapur

Department of Microbiology

B.Sc.II Test

Timestamp	Score	Enter your name	Enter your class	Enter your roll number
22/05/2020 10:54:54	13 / 20	Manasi Anil Havale	2	7662
22/05/2020 10:58:05	20 / 20	Manasi Anil Havale	2	7662
22/05/2020 11:09:53	19 / 20	Krutika rajendra koli	S.Y.B.Sc.	7668
22/05/2020 11:26:18	9 / 20	Priyanka Humbe	2	7664
22/05/2020 11:28:59	13 / 20	Vaishnavi vyankatesh patil	Bsc 2	7681
22/05/2020 11:34:40	16 / 20	Prajakta Gurav	Bsc 2nd	7661
22/05/2020 11:43:36	19 / 20	Arundhati Avinash Kamble	Bsc 2	7666
22/05/2020 11:57:36	12 / 20	Shital Krushnat Malap	2	7671
22/05/2020 12:00:08	18 / 20	Sayali shankar chavan	Bsc 2	7659
22/05/2020 12:00:08	18 / 20	Anushka Dhanaji Patil	Bsc 2	7678
22/05/2020 12:02:59	19 / 20	Ravina kiran powar	Bsc2	7683
22/05/2020 12:03:09	20 / 20	Nilam Ananda Varute	Bsc.-SY	7689
22/05/2020 12:04:19	19 / 20	Nita Powar	Bsc 2	7682
22/05/2020 12:08:01	9 / 20	Vaishnavi milind patil	Bsc 2nd year	7680
22/05/2020 12:30:24	11 / 20	Shreya sunil Sutar	Bsc 2nd	7685
22/05/2020 12:47:01	19 / 20	Monica Sutar	2	7604
22/05/2020 13:27:14	18 / 20	Akshata Patil	B.Sc2	7677
22/05/2020 13:35:38	13 / 20	Pratiksha	Bsc 2	7670
22/05/2020 13:45:00	18 / 20	Shraddha prakash more	Bsc-2	7673
22/05/2020 15:21:22	18 / 20	Shweta Vishnu Thanekar	2	7687
22/05/2020 15:27:59	20 / 20	Supriya Ananda Lad	BSc2	7669
22/05/2020 15:29:27	14 / 20	Rajashri Prakash Patil	B.sc 2	7679
22/05/2020 15:34:57	19 / 20	Rajashri Prakash Patil	B.sc. 2	7679
22/05/2020 17:57:50	20 / 20	Tejaswini Subhash Shinde	B.sc2	7684
22/05/2020 18:51:35	19 / 20	Fiza aftar Naikwadi	2	7675



22/05/2020 18:54:58	17 / 20	Srushti Pandurang Angre	Bsc- 2	7657
22/05/2020 18:57:03	19 / 20	Nikita Dilip More	Bsc 2	7672
22/05/2020 18:57:26	14 / 20	Abhay Bajirao Patil	BSc 2	7676
22/05/2020 19:01:15	19 / 20	Abhay Bajirao Patil	Bsc 2	7676
22/05/2020 19:22:14	20 / 20	Sayali tukaram torase	BSc2	7688
22/05/2020 20:04:36	20 / 20	Rohan Jadhav	Bsc 2	7665
22/05/2020 20:39:49	3 / 20	Ruchitha khairmode	Bsc2	7667
22/05/2020 20:46:31	17 / 20	Ruchitha khairmode	Bsc2	7667
25/05/2020 20:29:50	15 / 20	Omkar Shashikant Chougale	B. Sc-2	7660
25/05/2020 20:29:51	16 / 20	Rameshwar munde	Bsc 2	7674
26/05/2020 13:19:08	16 / 20	Shruti Umesh ayare	Bsc 2	7658



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

**Department of Microbiology
Academic year 2019-20**

B.Sc III

Notice

Date: 25/05/2020

All the students of B.Sc. III Microbiology are hereby informed that, the online unit test of Microbial Genetics is scheduled on 04/06/2020 at 10.00 a.m. Please make it convenient to be submit the test on time.

Link will be provided on the day of test.




V.V. Misal
HEAD
DEPARTMENT OF MICROBIOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)



Untitled form

Questions

Responses

102

Settings Total points: 20

Section 1 of 2

B.Sc.III Microbiology online test



Form description

Enter your name *

Short-answer text

Enter your class *

Short-answer text



B.Sc. III Microbiology

*Required

1. Enter name *

2. Enter class *

3. Enter roll number *

Multiple choice questions

Select most correct alternative from given alternatives.
20 Marks

4. A transposon..... *

1 point

Mark only one oval.

- is referred to as a jumping gene
- is DNA that can remove itself from the chromosome and insert elsewhere
- can cause insertional inactivation of genes
- All of above

One:



20) Refriegerator

5. A collection of DNA made from all mRNA's of an organisms constitutes..... * 1 point

Mark only one oval.

- mRNA repository
 DNA library
 cDNA library
 Genomic library

6. In PCR technique, temperature required by Taq polymerase for polymerization is.....degree celcius. * 1 point

Mark only one oval.

- 72
 54
 94
 37

7. The short stretches of DNA used to identify complementary sequence in sample is called..... * 1 point

Mark only one oval.

- Probes
 Primer
 Markers
 VNTR



8. In pBR 322 plasmid, the Tetracycline resistant gene is obtained from..... natural plasmid. *

1 point

Mark only one oval.

- pSC 101
 RSF 2124
 pMB1
 pUC 19

9. DNA finger printing technique depends upon..... *

1 point

Mark only one oval.

- Difference in pattern of genes
 Difference in pattern of tandem repeats
 Difference in sequence of DNA
 Difference in order of genes

10. In Sanger's DNA sequencing method, the dNTP's and ddNTP's are used in the ratio of..... *

1 point

Mark only one oval.

- 10:1
 1:10
 1:1
 1:100



11. The *Agrobacterium* mediated transfer method is used for transfer of rDNA in..... * 1 point

Mark only one oval.

- Fungus
 Animals
 Plants
 Animal tissue culture

12. The term 'cistron' was coined by..... * 1 point

Mark only one oval.

- Seymour Benzer
 Edward Lewis
 Barbara MacClintock
 Werner Arber

13. The DNA sequences that contain antibiotic resistant or toxin producing gene flanked by IS elements are called..... * 1 point

Mark only one oval.

- Simple transposons
 Composite transposons
 IS elements
 Bacteriophage elements



14. is the double stranded DNA fragment with cohesive ends, used for ligating desired gene to plasmid. * 1 point

Mark only one oval.

- Linkers
 Adaptors
 Homopolymer tail
 None of these

15. In blue-white screening technique, blue color of colony is due to deposition of * 1 point

Mark only one oval.

- X-gal
 5-bromo, 4-chloro, 3-indolyl Beta-D-galactopyranoside
 5-bromo, 4-chloro, 3-inigo
 IPTG

16. The porosity of cell for injection of rDNA can be increased by using..... technique. * 1 point

Mark only one oval.

- Electroporation
 Microinjection
 PEG mediated endocytosis
 Electroporation



17. The process of binding of primer to the denatured DNA strand is called.....

1 point

Mark only one correct.

- Denaturation
 Annealing
 Renaturation
 Elongation

18. During formation of rDNA enzyme is used to remove 5-phosphate group from DNA, RNA to prevent its recircularization. *

1 point

Mark only one correct.

- S1 nuclease
 Alkaline phosphatase
 Terminal deoxynucleotidyl transferase
 Polynucleotide kinase

19. The toxic activity of *Paramecium aurelia* is due to cytoplasmic inheritance of *

1 point

Mark only one correct.

- Caedmon conjugatus*
 Caedmon minutus
 Caedmon veniospiralis
 Caedmon spissus



20. DNA fingerprinting technique was developed by..... *

1 point

Mark only one answer

- Kary Mullis
- F. Sanger
- Alec Jeffreys
- J. Watson

21. vector contains Lambda cos site, other genes of Lambda lytic cycle and phage tail

1 point

Mark only one answer

- Cosmid
- Lambda phage partial vector
- Phage lambda
- Lambda replacement vector

22. All of the following are thermostable polymerases except..... *

1 point

Mark only one answer

- Taq polymerase
- Vent polymerase
- pfu polymerase
- DNase polymerase III



Vivekanand College (Autonomous), Kolhapur
Department of Microbiology
B.Sc.III Test

Timestamp	Score	Enter name	Enter class	Enter roll number
04/06/2020 11:00:36	15 / 20	Mitake Pradnya Shamrao	Bsc III	8336
04/06/2020 11:06:59	5 / 20	Pooja	Bsc3	8304
04/06/2020 11:14:11	13 / 20	Patil Pratibha Pushkaraj	B.Sc III	8321
04/06/2020 11:14:14	5 / 20	Pooja jadhav	Bsc3	8311
04/06/2020 11:22:51	5 / 20	Aishwarya	Bsc3	8311
04/06/2020 11:46:46	17 / 20	Pooja Ananda Kothalikar	Bsc 3	8317
04/06/2020 11:48:05	15 / 20	aarti pandurang patil	bsc ty	8316
04/06/2020 11:52:58	17 / 20	Snehal patil	Bsc 3	8331
04/06/2020 12:02:01	17 / 20	Prerna Garande	T.Y.B.Sc.	8328
04/06/2020 12:07:31	18 / 20	Neha Nandkishor Anuse.	B.sc-3	8323
04/06/2020 13:04:09	12 / 20	Harshada sambhaji shinde	Bsc 3	8335
04/06/2020 13:37:00	20 / 20	Bhagyashree suresh giri	Bsc microbiology ty	8309
04/06/2020 13:37:13	20 / 20	preeti jadhav	Bsc3	8327
04/06/2020 13:37:17	20 / 20	Shradha Sudhakar Kataware	BSc 3 Microbiology	8332
04/06/2020 17:34:47	13 / 20	Mansi Yashwant Band	TY bsc microbiology	8324
04/06/2020 18:04:35	9 / 20	Amruta Ashok Jangam	Bsc 3	8314
04/06/2020 18:06:29	17 / 20	Aishwarya jadhav	Bsc 3	8318
04/06/2020 18:36:46	16 / 20	Yogita Balkrishna Mudalkar.	Bsc.3	8326
04/06/2020 18:49:41	16 / 20	Prathamesh Bhagwat	B.Sc. 3	8322
04/06/2020 18:50:39	16 / 20	ANIKET AKARAM PATIL	Bsc 3	8325
04/06/2020 18:50:48	18 / 20	Ayan Dastagir Mujawar	BSC 3rd	8320
04/06/2020 18:50:49	16 / 20	Shrinivas vasantrao kendre	Bsc3	8306
04/06/2020 18:51:17	17 / 20	Aashutosh Jaywant Shinge	Bsc.3rd Micro	8314
04/06/2020 18:57:43	16 / 20	Aashutosh Jaywant Shinge	Bsc.3rd Micro	8314
04/06/2020 19:04:07	16 / 20	Aashutosh Jaywant Shinge	Bsc.3rd Micro	8314



04/06/2020 20:14:24	20 / 20	Rutuja choudhari	Bsc 3	8312
04/06/2020 20:24:02	19 / 20	Prajakta Prakash Patil	Bsc III my microbiology	8315
04/06/2020 21:11:58	8 / 20	Vaibhavi Girish Vibhute	Bsc 3 microbiology	8333
04/06/2020 21:16:37	16 / 20	Rohini Suresh Bandgar	Bsc3	8334
04/06/2020 22:11:13	7 / 20	prajakta prabhakar ghosalkar	b.sc.3 microbiology	8311
03/09/2020 14:56:25	19 / 20	q	bsc 3	19
20/09/2020 17:28:14	18 / 20	Patil Pratibha Pushkaraj	Bsc III	8321
27/09/2020 14:39:34	8 / 20	Prerana Raju Chougule	Bsc	8330
01/10/2020 23:45:13	6 / 20	Prajakta ghosalkar	B sc	8311
05/10/2020 11:58:53	8 / 20	Amruta Ashok jangam	Bsc 3	8313
12/10/2020 15:10:24	18 / 20	Pratibha patil	8321	8321
16/10/2020 13:48:10	9 / 20	Shree	Bsc	12
16/10/2020 15:05:33	8 / 20	preeti	bsc	3456
17/10/2020 11:48:03	6 / 20	ABC	Bsc3	789
17/10/2020 12:23:54	5 / 20	Vaibhavi Girish Vibhute	Bsc 3	8333
19/10/2020 12:39:39	5 / 20	Shradha	3rd	312
19/10/2020 20:26:33	19 / 20	Shreee	Bsc	11
19/10/2020 22:24:37	8 / 20	Pooja Nikalje	Bsc III	8307
20/10/2020 08:45:38	18 / 20	Hsimsog	Tgsk	5820
20/10/2020 11:17:52	19 / 20	Prerna	Ty B.Sc Microbiology	8328
20/10/2020 13:00:53	20 / 20	Bhagyashree	Bsc	6666
20/10/2020 17:16:48	9 / 20	Yogita Balkrishna Mudalkar.	Bsc3	8326
28/10/2020 19:13:09	19 / 20	Prerna	Ty B.Sc Microbiology	8328
28/10/2020 19:35:27	15 / 20	Yogita Balkrishna Mudalkar.	Bsc3	8326
29/10/2020 07:38:58	20 / 20	Hduvk	Urgi	2739



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

Department of Microbiology

Academic year 2019-20

B.Sc III

Notice

Date: 05/08/2020

All the students of B.Sc. III Microbiology are hereby informed that, the online unit test of Microbial Genetics is scheduled on **15/08/2020 at 11.30 a.m.** Please make it convenient to be submit the test on time.

Link will be provided on the day of test.




V.V.Misal
HEAD
DEPARTMENT OF MICROBIOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)



Untitled form

Questions

Responses

49

Settings Total points: 15

Section 1 of 2

B. Sc. III



Microbiology

Microbial Genetics

Enter your name *

Short-answer text

Enter class *

Short-answer text



B. Sc. III Microbiology

Microbial Genetics

*Required

1. Enter your name *

2. Enter class *

3. Enter roll no. *

Multiple choice
questions

Select most correct alternative from given alternatives.
15 marks

4. The annealing temperature used in PCR reaction is..... degree celcius. 1 point *

Mark only one oval.

94

54

72

37



5. enzyme is used to prevent recircularization of linear plasmid vector without gene of interest, by removing 5-phosphate group. * 1 point

Mark only one oval.

- Terminal transferase
 Alkaline phosphatase
 DNA ligase
 DNA polymerase

6. The replica plate technique was first developed by..... * 1 point

Mark only one oval.

- Daniel Nathans
 Kary Mullis
 Esther Lederberg
 Robert Koch

7. The DNA finger printing technique is based upon..... * 1 point

Mark only one oval.

- Entire DNA sequence
 Direct repeats
 RFLP
 VNTR



8. During screening of rDNA by using X-Gal, blue coloured colonies will be produced by organisms. * 1 point

Mark only one oval.

- Transformed
- Recombinant
- Non-recombinant
- All of above

9. EcoRI is an example of..... * 1 point

Mark only one oval.

- Natural plasmid
- Restriction endonuclease
- Transposons
- Artificial plasmid

10. of the following organism is recognized as Kappa particle. * 1 point

Mark only one oval.

- Caedobacter conjugatus
- Paramoecium aurelia
- Caedobacter fulsus
- Caedobacter taeniospiralis



11. The DNA sequence that contain antibiotic resistant or toxin producing genes flanked by IS elements is known as..... * 1 point

Mark only one oval.

- Composite transposons
 Simple transposons
 Retroposons
 Bacteriophage elements

12. In method of gene introduction, ultrasound waves are used. * 1 point

Mark only one oval.

- Electroporation
 Microinjection
 Sonication
 Transformation

13. Restriction endonucleases requires as a cofactor. * 1 point

Mark only one oval.

- Mg⁺⁺
 Ca⁺⁺
 Mn⁺⁺
 Tpp



14. of the following organism has been extensively used in generation of transgenic plants. *

1 point

Mark only one oval.

- Bacillus thuringiensis
 Tobacco mosaic virus
 E.coli
 Agrobacterium tumefaciens

15. vector can carry largest piece of DNA. *

1 point

Mark only one oval.

- Bacteriophage
 Yeast artificial chromosome
 Cosmid
 pBR 322

16. The enzyme used to hydrolyse RNA from DNA-RNA hybrid is..... * 1 point

Mark only one oval.

- RNase H
 S1 nuclease
 Endonuclease
 Alkaline phosphatase



17. The most common restriction endonuclease used in rDNA technology is..... * 1 point

Mark only one oval.

- Class I
- Class II
- Class III
- Class IV

18. The small radiolabelled fragment of DNA used to identify unknown sequence is called..... * 1 point

Mark only one oval.

- Primer
- Adapter
- Probe
- Linker

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Google Forms



Vivekanand College (Autonomous), Kolhapur
Department of Microbiology
B.Sc.III Test

Timestamp	Score	Enter your name	Enter class	Enter roll no.
15/08/2020 12:19:14	9 / 15	Snehal Sudhakar patil	Bsc 3	8331
15/08/2020 12:23:03	15 / 15	Patil s	Bsc 3	8331
15/08/2020 19:09:20	11 / 15	Harshada sambhaji shinde	Bsc 3	8335
16/08/2020 13:19:51	13 / 15	Rohini	Bsc 3	8334
26/09/2020 20:28:00	3 / 15	Prajakta ghosalkar	B.sc	8311
09/10/2020 13:22:53	10 / 15	Shrinivas kendre	Bsc 3	8306
16/10/2020 13:52:37	3 / 15	Shree	Bsc	1223
16/10/2020 14:58:43	4 / 15	preeti	BSC	8344
17/10/2020 11:58:24	6 / 15	Ktduk	Fynk	4689
17/10/2020 20:51:56	4 / 15	Vaibhavi	Bsc 3	8333
20/10/2020 12:51:46	14 / 15	Shreeee	Bsc	2323
20/10/2020 12:53:24	15 / 15	Shreeee	Bsc	5637
20/10/2020 13:55:07	4 / 15	Shrafha	3rd	0312
28/10/2020 22:21:23	11 / 15	p		3 7777
28/10/2020 22:23:43	15 / 15	p		3 6666



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

Department of Microbiology

Academic year 2019-20

B.Sc III

Notice

Date: 19/06/2020

All the students of B.Sc. III Microbiology are hereby informed that, the online unit test of Microbial Genetics is scheduled on 29/06/2020 at 11.30 a.m. Please make it convenient to be submit the test on time.

Link will be provided on the day of test.




V.V. Misal

HEAD

DEPARTMENT OF MICROBIOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)





Untitled form

Questions

Responses

49

Settings Total points: 15

Section 1 of 2

B. Sc. III Microbiology



Microbial Genetics

Enter your name *

Short-answer text

Enter class *

Short-answer text



B.Sc. III Microbiology

Microbial genetics: online test

*Required

1. Enter name *

2. Enter class *

3. Enter roll number *

Multiple choice
questions

Select most correct alternative from given alternatives.

20 marks

(Each question carries 1 marks except 'match the following questions'
which carries 2 marks each.)

4. In pBR 322 plasmid, Ori site is obtained from.....plasmid *

1 point

Mark only one oval.

pSC 101

RSF 2124

pMB 1

pUC 19



5. The double stranded DNA with blunt end used for ligating desired gene to vector is..... * 1 point

Mark only one oval.

- Linkers
 Adaptors
 Homopolymer tailing
 All of above

6. In tryptophan operon, regulatory protein binds toregion. * 1 point

Mark only one oval.

- Operator
 Promoter
 Leader
 Regulatory

7. Match the following (Given below) * 2 points

Mark only one oval.

- a-i, b-iv, c-iii, d-ii
 a-ii, b-iv, c-i, d-iii
 a-i, b-iii, c-ii, d-iv
 a-ii, b-iii, c-i, d-iv



a. Beadle and Tatum	i. Pribnow box
b. Barbara McClintok	ii. One cistron one
c. Jacob and Monod	polypeptide hypothesis
d. D. Pettijohn	iii. Folded Fibre model
	iv. Transposons

8. For introducing eukaryotic gene in prokaryotes.....method is used. * 1 point

Mark only one oval.

- Shotgun
- chemical synthesis
- cDNA
- Oligonucleotide synthesis

9.contains both coding & non-coding genes. * 1 point

Mark only one oval.

- Genomic library
- cDNA library
- mRNA repository
- mRNA library



10. The genetic disorder "Alkaptonuria" is caused due to deficiency of.....enzyme. *

1 point

Mark only one oval.

- Homoqentisic acid reductase
 Alcapton reductase
 Homoqentisic acid oxidase
 Homogentisic acid dehydrogenase

11. Match the following (Given below) *

2 points

Mark only one oval.

- a-iv, b-iii, c-ii, d-i
 a-iii, b-ii, c-i, d-iv
 a-iv, b-ii, c-iii, d-i
 a-iv, b-ii, c-i, d-iii

a. Pribnow box	i. Terminator loop
b. Domain II and III	ii. -31 sequence
c. Transcription recognition site	iii. Antiterminator loop
d. Domain III and IV	iv. -10 sequence



12. enzyme is used to add homopolymer tail to blunt DNA. * 1 point

Mark only one oval.

- Alkaline phosphatase
 S1 exonuclease
 Polynucleotide kinase
 Terminal transferase

13. Radiolabelled probes are used in stage. * 1 point

Mark only one oval.

- Construction of rDNA
 Introduction of rDNA in host
 Screening of recombinant cell
 None of these

14. The 'Golden rice; is used as the rich source of..... * 1 point

Mark only one oval.

- Vit- B
 Beta carotene
 Vit- D
 Proteins

15. The uptake of plasmid DNA in bacterial cell is facilitated in the presence of..... * 1 point

Mark only one oval.

- Calcium chloride
 magnesium chloride
 Pottasium chloride
 Ammonium sulfate



16. Introduction of rDNA into bacterial cell by using current is called..... *

Mark only one oval.

- Transformation
 Electroporation
 Sonication
 Transduction

17. Telomeric sequences are found in..... *

1 point

Mark only one oval.

- HAC
 BAC
 YAC
 PAC

18. Match the following (Given below) *

2 points

Mark only one oval.

- a-iii, b-i, c-ii, d-iv
 a-ii, b-i, c-iii, d-iv
 a-iii, b-iv, c-ii, d-i
 a-ii, b-iii, c-i, d-iv

a. Radiolabelled probe	i. Restriction endonuclease
b. Reporter gene	ii. X-Gal
c. Blue-white screening	iii. Colony hybridization
d. Star activity	iv. Screening of rDNA.

19. of the following is not a restriction endonuclease. *

1 point

Mark only one oval.

- Eco RI
- Hind III
- TN 3
- Bam HI

20. Tryptophan operon is an example of..... operon. *

1 point

Mark only one oval.

- Catabolic and positive
- Anabolic and negative
- Catabolic and negative
- Anabolic and positive

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Vivekanand College (Autonomous), Kolhapur
Department of Microbiology
B.Sc.III Test

Timestamp	Score	Enter name	Enter class	Enter roll number
29/06/2020 12:17:25	13 / 20	Mitake Pradnya Shamrao	Bsc III	8336
29/06/2020 12:21:01	10 / 20	Patil Pratibha Pushkaraj	B.Sc III	8321
29/06/2020 12:47:12	17 / 20	Prerna Garande	T.Y.B.Sc.	8328
29/06/2020 13:25:10	18 / 20	Snehal sudhakar patil	Bsc 3	8331
29/06/2020 13:55:40	12 / 20	Amruta Ashok Jangam	Bsc 3	8313
29/06/2020 14:06:43	17 / 20	Pooja Ananda Kothalikar	Bsc 3	8317
29/06/2020 14:30:16	1 / 20	Shree	III	1
29/06/2020 15:37:06	9 / 20	Chaitanya rajadnya	Bsc 3	8354
29/06/2020 16:21:21	4 / 20	Vaibhavi Girish Vibhute	Ty Bsc microbiology	8333
29/06/2020 16:44:26	14 / 20	Pratiksha kamble	Bsc 3	8311
29/06/2020 18:01:43	15 / 20	Harshada shinde	Bsc 3	8335
29/06/2020 19:46:14	18 / 20	ANIKET AKARAM PATIL	Bsc 3	8325
29/06/2020 19:46:16	17 / 20	Prathamesh Bhagwantsinh Bhagwat	B.Sc 3	8322
29/06/2020 19:48:20	18 / 20	Aashutosh Jaywant Shinge	Bsc.Micro	8314
29/06/2020 20:37:53	19 / 20	Ayan Mujawar	Bsc 3rd	8320
29/06/2020 20:41:28	15 / 20	Shrinivas vasantrao kendre	Bsc3	8306
29/06/2020 21:36:09	14 / 20	Aarti patil	Bsc3	8316
29/06/2020 21:47:53	19 / 20	Aishwarya jadhav	Bsc 3	8318
29/06/2020 22:11:28	17 / 20	Bhagyashree Suresh Giri	Bsc 3 microbiology	8309
29/06/2020 22:11:36	15 / 20	preeti jadhav	BSC3	8327
30/06/2020 08:02:09	14 / 20	Neha Nandkishor Anuse.	B.Sc -3	8323
30/06/2020 08:55:40	12 / 20	Mansi Yashwant band	Bsc 3 rd	8324
05/07/2020 22:40:13	12 / 20	Yogita Balkrishna Mudalkar.	Bsc 3	8326
03/09/2020 15:08:51	6 / 20	a	r	5
14/10/2020 09:00:48	15 / 20	Pratibha patil	Bsc III	8321



16/10/2020 13:50:44	7 / 20	Shree	Bsc	12
16/10/2020 15:01:41	5 / 20	preeti	bsc	8888
17/10/2020 11:53:11	4 / 20	Tyhvt	Tydh	345
17/10/2020 12:59:26	4 / 20	Vaibhavi vibhute	Bsc 3	8333
18/10/2020 18:17:16	18 / 20	Pratibha patil	Bsc III	8321
18/10/2020 18:20:48	19 / 20	Pratibha patil	Bsc III	8321
19/10/2020 12:32:51	6 / 20	Shradha	3rd	312
19/10/2020 18:11:00	16 / 20	Prerna	Ty B.sc Microbiology	8328
19/10/2020 20:59:56	4 / 20	Pooja Nikalje	Bsc III	8307
20/10/2020 09:16:02	8 / 20	Jducwowysph	Jsfsmox	25304
20/10/2020 11:13:36	18 / 20	Prerna	Ty B.Sc Microbiology	8328
20/10/2020 12:44:25	14 / 20	Shree	Bsv	11111
20/10/2020 12:47:29	19 / 20	Shree	Bsc	11111
20/10/2020 12:49:21	19 / 20	Shree	Bsc	2333
20/10/2020 17:00:28	10 / 20	Yogita Balkrishna Mudalkar.	Bsc3	8326
28/10/2020 19:19:25	16 / 20	Prerna	Ty B.Sc Microbiology	8328
28/10/2020 20:39:35	15 / 20	Bhagyashree	Bsc	6666
28/10/2020 22:29:06	13 / 20	p		3 6666
28/10/2020 22:33:09	14 / 20	Aa	A	78
28/10/2020 22:33:37	14 / 20	Aa	A	78
28/10/2020 22:33:42	18 / 20	p		3 5555
28/10/2020 23:31:21	16 / 20	A	A	12
29/10/2020 08:06:40	12 / 20	Jrxkl	Bsc3	8354

