

“Education for Knowledge, Science and Culture”

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur (Autonomous)**

**Department of Zoology**

**Academic Year: 2022-2023**

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**Continuous Internal Evaluation (CIE) - B.Sc. II**

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**Department of Zoology**

**Academic Year: 2022-2023**

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Date-18/11/2022

**NOTICE**

All the students of B.Sc. II are hereby informed that Department of Zoology, Vivekanand College, Kolhapur (Autonomous) has organized online test of Semester IV schedule on 25/11/2022. As per the part of continuous internal evaluation attendance is compulsory to all.

**Dr. G. K. Sontakke**

**HEAD**  
**DEPARTMENT OF ZOOLOGY**  
**VIVEKANAND COLLEGE, KOLHAPUR**  
**(AUTONOMOUS)**

# Vivekanand College, Kolhapur (Autonomous) Department of Zoology Internal Examination 2022-23. B. Sc. II Sem IV Paper IV

cell biology, genetics, evolution and ethology

\* Indicates required question

1. Email \*

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2. Name: \*

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3. Roll Number

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*Skip to question 4*

## Section I

Cell Biology, Genetics

4. 1. Which of the following NOT present in DNA? \*

1 point

*Mark only one oval.*

Guanine

Adenine

Uracil

Cytocine

5. 2. Anticodon is present in \*

1 point

*Mark only one oval.*

- rRNA
- tRNA
- mRNA
- snRNA

6. 3. Which of the following cell organelles is found in plant cells but not in animal cells?

\* 1 point

*Mark only one oval.*

- Endoplasmic reticulum
- Golgi complex
- Chloroplast
- Nucleus

7. 4. Which cell organelle refer as suicidal bag? \*

1 point

*Mark only one oval.*

- Lysosome
- Golgi bodies
- Endoplasmic reticulum
- Nucleus

8. 5. which cell organelle has its own DNA? \*

1 point

*Mark only one oval.*

- Golgi complex
- Endoplasmic reticulum
- Mitochondia
- lysosome

9. 6. Which cell organelle is called power house of cell? \*

1 point

*Mark only one oval.*

- ER
- nucleus
- Mitochondria
- plastid

10. 7. Which organelle is responsible for packaging of Protein? \*

1 point

*Mark only one oval.*

- Mitochondria
- Golgi apparatus
- Ribosome
- Lysosome

11. 8. ....is the cells outermost boundary. \*

1 point

*Mark only one oval.*

- Plasma membrane
- Cytoplasm
- Nuclear membrane
- None of Above

12. 9. Who coined term linkage? \*

1 point

*Mark only one oval.*

- Correns
- Morgan
- Mendel
- De varies

13. 10. The tendency of two or more than two genes to stay together during inheritance is called \_\_\_\_\_ \* 1 point

*Mark only one oval.*

- Genetics
- Gene interaction
- Crossing over
- Linkage

14. 11. Which of the following statement is NOT true regarding linkage group? \* 1 point

*Mark only one oval.*

- Group of physically linked genes
- Represent a haploid number of chromosomes
- Shown by linkage map
- Linkage groups are not correlated with each other

15. 12. What is the unit of linkage map? \* 1 point

*Mark only one oval.*

- Morgan
- Centi-morgan
- Centimeter
- Angstrom

16. 13. Name the phenomenon which can break the occurrence of linkage? \* 1 point

*Mark only one oval.*

- Crossing over
- Linkage
- Reconstruction
- Breakage

17. 14. The linked gene does not follow: \* 1 point

*Mark only one oval.*

- Cross over
- Segregation
- Linkage
- Assortment

18. 15. Crossing over takes place in the \* 1 point

*Mark only one oval.*

- Diakinesis stage
- Anaphase stage
- Pachytene stage
- Leptotene stage

Untitled Section

Section II Evolution, Ethology

19. 16. The peppered moth *Biston betularia* is a light coloured species with dark patches is a example of ..... \* 1 point

Mark only one oval.

- Industrial Melanism  
 Sexual reproduction  
 Artificial selection  
 Organic variation

20. 17. The selection process favours individuals that are best adapted to an new situation or to new ecological opportunities in one direction, such selection is called..... \* 1 point

Mark only one oval.

- Directional selection  
 Stabilizing selection  
 Disruptive selection  
 Sexual selection

21. 18. The remains or prints of animals and plants buried in the rocks or earth crust is termed as ..... \* 1 point

Mark only one oval.

- Foot prints  
 Fossils  
 Skeleton  
 Trace



22. 19. The most accepted and widely used biological species concept is given by .....

\* 1 point

*Mark only one oval.*

- Linnaeus  
 Ernst Mayr  
 Mendel  
 Darwin

23. 20. Grand Canyon squirrel is example of .....speciation \*

1 point

*Mark only one oval.*

- Propatric  
 Allopatric  
 sympatric  
 polypatric

24. 21. The evolutionary principle, use and disuse of organs are given by.....

\* 1 point

*Mark only one oval.*

- Hugo de vries  
 Lamarck  
 Darwin  
 Weismann

25. 22. Theory of continuity of germplasm was given by ..... \*

1 point

*Mark only one oval.*

- Darwin
- Lamarck
- Mendel
- Weismann

26. 23. Neo-Darwinism is also called.....theory of evolution. \*

1 point

*Mark only one oval.*

- Recent
- Modern
- Advanced
- Lamarck's

27. 24. A group of population in which genes are exchanged through interbreeding potentially is called

\* 1 point

*Mark only one oval.*

- Ecology
- Species
- Population
- Ecosystem

28. 25. Which one of the following is not importance of biological species concept? \* 1 point

Mark only one oval.

- Defines why individuals of same species alike
- Explains importance of reproduction
- Trends to ignore hybridization
- Has important role in taxonomy

29. 26. ....developed theory of evolution by observing the beak of finches. \* 1 point

Mark only one oval.

- Lamarck
- Linnaeus
- Charles Darwin
- Alfred Russel

30. 27. On.....islands Darwin observed finches \* 1 point

Mark only one oval.

- Gilligan
- Galapagos
- Australia
- Easter



31. 28. The competition between members of the same species is called ..... struggle. \* 1 point

Mark only one oval.

- Interspecific  
 Intraspecific  
 Environmental  
 Geographic

32. 29. Which one of the following is not proposition of Lamarckism? \* 1 point

Mark only one oval.

- Use and disuse  
 Inheritance of acquired characters  
 Natural selection  
 Internal vital force

33. 30 .....is the important postulate of Darwin theory. \* 1 point

Mark only one oval.

- Use and disuse  
 Struggle for existence  
 Internal force  
 Germplasm

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## Vivekanand College, Kolhapur (Autonomous)

Department of Zoology

Academic Year: 2022-2023

### Result

Sr. No.	Name of Student	Marks
1	Shruti Ravindra Shinde	17.00 / 30
2	Vedanshu Vinay Chopadar	26.00 / 30
3	Sharayu Pradeep Bhosale	28.00 / 30
4	Abhay Tatoba Shinde	27.00 / 30
5	Kedar Santosh Sutar	26.00 / 30
6	Damini Mohan Padaval	26.00 / 30
7	Preeti Deepak Koli	26.00 / 30
8	Shivani Vinayak Gurav	23.00 / 30
9	Namrata Anil Kandalkar	25.00 / 30
10	Asavari Anil Kalamkar	25.00 / 30
11	Sanika Prakash Thorbole	25.00 / 30
12	Arpita Sanjay Savairam.	27.00 / 30
13	Arpita Sachin Hawal	28.00 / 30
14	Indraja Vitthal Gore	25.00 / 30
15	Disha Kailas Mahadik	24.00 / 30
16	Jai Satish Koli	25.00 / 30
17	Omkar Vijay Patil	25.00 / 30
18	Shubhada Ganesh Patil	28.00 / 30
19	Supriy Milind Sarpe	27.00 / 30
20	Shraddha Dnyandev Patil	26.00 / 30
21	Adityaraj Sachin Shinde	26.00 / 30
22	Shruti Ramchandra Kumbhar	26.00 / 30
23	Sandhyarani Santosh Chendage	27.00 / 30
24	Rutuja Balaso Chougule	26.00 / 30
25	Priyanka Prakash Shinde	25.00 / 30
26	Shriya Prakash Lole	26.00 / 30
27	Prachi Uday Awate	26.00 / 30
28	Sanika Gajanan Patil	26.00 / 30
29	Pendhari Yusaira Zahir	26.00 / 30
30	Nilam Tamaichikar	25.00 / 30
31	Nikita Uttam Koli	26.00 / 30
32	Abhijeet Amar Jadhav	27.00 / 30
33	Smita Lakshman Patil	26.00 / 30
34	Snehal Babaso Kashid	26.00 / 30

35	Ankita Chotelal Sahani	25.00 / 30
36	Mohini Shivaji Mulik	27.00 / 30
37	Sanika Sanjay Patil	26.00 / 30
38	Dhanashri Raju Balekundri	26.00 / 30
39	Swarupa Prasad Khairmode	26.00 / 30
40	Aishwarya Maruti Angaj	27.00 / 30
41	Aman Pralhad Mane	23.00 / 30
42	Siddhi Anil Parkar	27.00 / 30
43	Koustubh Kishor Yedurkar	26.00 / 30
44	Shefali Satish Potdar	25.00 / 30
45	Shreeshail Mallappa Surgali	26.00 / 30
46	Sanika Shital Patil	27.00 / 30
47	Patil Snehal Yalgonda	25.00 / 30
48	Sourabh Rajaram Sankpal	22.00 / 30
49	Rushita Dinkar Powar	26.00 / 30
50	Sanovar Salim Mulla	26.00 / 30
51	Ashlesha Shivaling Madhale	25.00 / 30
52	Malavi Rahul Gautam	26.00 / 30
53	Alisha Tanaji Kothavale	24.00 / 30
54	Swara Sachin Bhurke	26.00 / 30
55	Kamble Tejaswini Maruti	24.00 / 30
56	Janhavi Jagdish Patil	26.00 / 30
57	Shukrani Chandrakant Kandalkar	27.00 / 30
58	Pallavi Ravindra Hande	27.00 / 30
59	Pranav Raju Sandugade	28.00 / 30
60	Tejas Dilip Sutar	26.00 / 30
61	Sakshi Nandkumar Chothe	27.00 / 30
62	Prasad Subhash Vadgaonkar	24.00 / 30
63	Aman Sanjay Kamble	26.00 / 30
64	Pravarta Dabholkar	26.00 / 30
65	Harshada Pradip Khot	27.00 / 30
66	Sanika Sagar Chavan	28.00 / 30
67	Vaishnavi Vivek Chandala	27.00 / 30
68	Shrutika Manik Pardeshi	24.00 / 30
69	Naeem Shaikh	25.00 / 30
70	Jyoti Hanumant Jadhav	26.00 / 30
71	Ganesh Bhimrao Pathrut	16.00 / 30
72	Abhishek Lenin Kodnaik	26.00 / 30
73	Pratiksha Pandit Halunde	25.00 / 30
74	Shweta Dattatray Mane	28.00 / 30
75	Ganesh Shivaji Mane	28.00 / 30
76	Pooja Amar Patil	26.00 / 30
77	Pallavi Raju Koli	18.00 / 30
78	Aishwarya Shashikant Patil	22.00 / 30
79	Mahima Vikas Sarvagode	26.00 / 30

80	Saniya Yunus Nadaf	24.00 / 30
81	Koli Mayur Lahu	25.00 / 30
82	Prachi Chandrakant Kesarkar	26.00 / 30
83	Arpita Shivaji Patil	23.00 / 30
84	Pranali Shivaji Vharamble	27.00 / 30
85	Manoj Arunkumar Miraje	26.00 / 30
86	Raviraj Nemaji Bhise	27.00 / 30
87	Avadhoot Vijayanand Mohite	27.00 / 30
88	Rohan Bhagavan Kamble	27.00 / 30
89	Janhavi Vikrant Salokhe	26.00 / 30
90	Vaishnavi Ramesh Pisal	26.00 / 30
91	Sakshi Deepak Koli	25.00 / 30
92	Atharva Ramdas Gurav	25.00 / 30
93	Kedar Kharade	27.00 / 30
94	Babu Mahadev Lahade	27.00 / 30
95	Tasnim Yunus Desai	26.00 / 30
96	Anushka Amar Kamble	19.00 / 30
97	Tabsum Zakhirhusen Mullani	25.00 / 30
98	Rishikesh Vijay Wadar	17.00 / 30
99	Ankita Rajendra Thombare	25.00 / 30
100	Manasi Amit Magar	24.00 / 30
101	Namira Mansur Mulla	20.00 / 30
102	Prathmesh Suresh Kapurkar	23.00 / 30
103	Pradeep Bhimrao Ganap	27.00 / 30
104	Rohan. R. Sawant	26.00 / 30
105	Sapana Shivram Gawari	23.00 / 30
106	Galaxy Sunil Pawar	24.00 / 30
107	Milisha Jadhav	28.00 / 30
108	Samruddhi Sudhir Patil	27.00 / 30
109	Gayatri Chandrakant Tope	17.00 / 30



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