

“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

Continuous Internal Evaluation (CIE) - B.Sc. I

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Date-24/05/2023

NOTICE

All the students of B.Sc. I are hereby informed that Department of Zoology, Vivekanand College, Kolhapur (Autonomous) has organized online test of Semester II schedule on 30/05/2023. 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. B.Sc. I; Semester II Internal Examination-2022-23; Comparative Anatomy And Developmental Biology of Vertebrates.

Day and Date; Tuesday; 30/05/23

Time- 12:00 am to 12:30 pm

Total marks-30

Instructions*

1. All questions are compulsory.
2. Multiple attempts are not allowed.

* Indicates required question

1. Email *

2. Email *

3. Roll No. *

4. Name of Student *

Comparative Anatomy of Vertebrate

Section I

5. 1. In reptiles & birds gland secrete a sticky substances which harden into short spines that are used for holding the female during copulation. * 1 point

Mark only one oval.

- Femoral
 Sweat
 Cutaneous
 Sebaceous

6. 2. The connective tissue beneath the epidermis is known as * 1 point

Mark only one oval.

- epidermis
 dermis
 hypodermis
 cuticle

7. 3. The largest organ of the body that grows with the animal is * 1 point

Mark only one oval.

- brain
 heart
 skin
 cartilage

8. 4. Amylase helps in digestion of the *

1 point

Mark only one oval.

- lipids
- carbohydrates
- protein
- none of these

9. 5. serves as opening for the intestinal, reproductive and urinary tracts in Amphibians * 1 point

Mark only one oval.

- Cloaca
- Anus
- Rectum
- Scrotum

10. 6. is the longest segment of the digestive system of mammal. *

1 point

Mark only one oval.

- Pancreatic duct
- Small intestine
- Large intestine
- Esophagus

11. 7. gland is absent in digestive system of amphibian *

1 point

Mark only one oval.

- Liver
- Pancreas
- Salivary gland
- None of these

12. 8. Three chambered heart is found in classof vertebrata. * 1 point

Mark only one oval.

- amphibia
 mammalia
 aves
 pisces

13. 9. In mammalian heart, the opening of right atrium into right ventricle is guarded by valve * 1 point

Mark only one oval.

- mitral
 tricuspid
 bicuspid
 aortic semilunar

14. 10. The optic lobes of brain of are termed as corpora quadrigemina. * 1 point

Mark only one oval.

- mammals
 reptiles
 amphibians
 fishes

15. 11. In birds and mammals arborvitae is present inof the brain. * 1 point

Mark only one oval.

- cerebrum
 optic lobes
 cerebellum
 medulla oblongata

16. 12. The receptors for temperature are *

1 point

Mark only one oval.

- Mechanoreceptors
- Thermoreceptors
- Chemoreceptors
- Photoreceptors

17. 13. Photoreceptors are located in *

1 point

Mark only one oval.

- skin
- muscles
- taste buds
- retina of eye

18. 14. The taste bud in tongue are type of *

1 point

Mark only one oval.

- tangoreceptors
- gustato receptors
- olfacto receptors
- mechanoreceptors

19. 15. Location of Statoacoustic receptors is..... *

1 point

Mark only one oval.

- internal ear and cochlea
- retina of eye
- muscles, joints
- walls of carotid bodies

Developmental biology of Vertebrate

Section II

20. 16. Internal fertilization does not take place in * 1 point

Mark only one oval.

- aves
 mammals
 reptiles
 amphibians

21. 17. A single cell.....is formed after fusion of male gamete and female gamete * 1 point

Mark only one oval.

- zygote
 cleavage
 morula
 blastula

22. 18.is the process of pregnancy in which the embryo attach to the epithelium of the uterus. * 1 point

Mark only one oval.

- Gastrulation
 Implantation
 Fertilization
 Maturation

23. 19. Implantation of human fertilized ovum occur approximately in range * 1 point
between

Mark only one oval.

- 7-9 days
 12-18 days
 18-24 days
 1-2 days

24. 20. In there is the contact between chorionic epithelium * 1 point
with uterine epithelium.

Mark only one oval.

- epitheliochorial Placenta
 syndesmochorial Placenta
 endotheliochorial Placenta
 haemochorial Placenta

25. 21. is the process of production and accumulation of yolk * 1 point
in a developing oocyte.

Mark only one oval.

- Vitellogenesis
 Oogenesis
 Yolk accumulation
 Egg deposistion

26. 22. Gametes are..... in genetic constitution. *

1 point

Mark only one oval.

- polyploid
- diploid
- aneuploid
- haploid

27. 23. The process of oogenesis takes place in..... *

1 point

Mark only one oval.

- ovary
- testes
- pancreas
- liver

28. 24. The process of spermatogenesis takes place in..... *

1 point

Mark only one oval.

- ovary
- testes
- pancreas
- liver

29. 25. The endothelial wall of the maternal blood vessel disappears and the chorionic epithelium is bathed directly in the maternal blood is..... * 1 point

Mark only one oval.

- haemoendothelial Placenta
 epitheliochorial Placenta
 haemochorial Placenta
 endotheliochorial Placenta

30. 26. The primitive type of placenta in mammals is referred to..... * 1 point

Mark only one oval.

- Epithelio-chorial Placenta
 Syndesmo-chorial Placenta
 Endothelio-chorial Placenta
 Haemo-endothelial Placenta

31. 27. Haemochorial Placenta is found in * 1 point

Mark only one oval.

- Cat and Camel
 Man, and Monkey
 Giraffe and Horse
 Lion and Tiger

32. 28. Syndesmo-chorial Placenta Lacks..... * 1 point

Mark only one oval.

- Chorionic epithelium
- Uterine connective tissue
- Chorionic + allantoic mesoderm
- Uterine epithelium

33. 29. The structure which helps in the nutrition of the embryo when the embryo is within uterus in mammals is known as

* 1 point

Mark only one oval.

- Yolk sac
- Amniotic membrane
- Crypts
- Placenta

34. 30. Function of Placenta Lacks..... * 1 point

Mark only one oval.

- Exchange of substance between mother and foetus
- Ultrafilter
- Endocrine gland
- All of the above

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Result

Sr. No.	Name of Student	Marks
1	Aishwarya Ganesh Hajare	23.00 / 30
2	Dhanshri Kashid	14.00 / 30
3	Heena Shafik Bagwan	23.00 / 30
4	Yogi Hardikar	22.00 / 30
5	Sahil Shivaji Jadhav	18.00 / 30
6	Rifat Ustad	22.00 / 30
7	Sourabh Bhosale	15.00 / 30
8	Sanika	16.00 / 30
9	Shaikh Ahefaz	17.00 / 30
10	Divya Sanjay Gaikwad	18.00 / 30
11	Samruddhi Laxman Chougule	15.00 / 30
12	Vaishnavi Shivaji Chougale	24.00 / 30
13	Kaif Mulla	13.00 / 30
14	Bhakti Amar Gulabani	26.00 / 30
15	Yogesh Sujit Shewale	23.00 / 30
16	Vrushali Shivaji Ekshinge	24.00 / 30
17	Simran Anil Jevrani	25.00 / 30
18	Rutuja Sardar Patil	24.00 / 30
19	Sushant Kadappa Desai	25.00 / 30

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