

FACULTY OF SCIENCE
BSc I YEAR PRACTICAL EXAMINATION
SEMESTER –I PAPER –I
SUBJECT : ZOOLOGY

ANIMAL DIVERSITY – INVERTEBRATES

QUESTION BANK

Time : 3 Hrs

Maximum Marks :50

Q1). Identify and classify the given (a ,b,c,d,e,f,g, h and i)spots. Draw labelled diagram and write identification characters. (7 Museum specimens + 2 slides –one from every phylum) 9x3=27 Marks

- 1.Amoeba
- 2.paramoecium
- 3.Paramoecium binary fission
- 4.Paraoecium conjugation
- 5.Verticella
- 6.Entamoeba histilytica
- 7.Plasmodium vivax
8. Spongilla
- 9.Euspongia
- 10.Sycon-T.S.
- 11.Sycon L.S.
- 12.Sycon spicules
- 13.Gemules
- 14.Obelia colony
- 15.Obelia medusa
- 16.Aurelia
- 17.Physalia
- 18.Velella
- 19.Corallium
- 20.Gorgonia
- 21.Pennatula
- 22.Planaria
- 23.Fasiola hepatica
- 24.Fasiola hepatica larval forms-
A).Miracidium B).Redia C).Cercaria
- 25.Echinococcus granulosus
- 26.Taenia solium
- 27.Schistosoma haematobium
- 28.Ascaris (Male & Female)
- 29.Dracunculus
- 30.Ancylostoma
- 31.Wuchereria
- 32.Neries
- 33.Aphrodite
- 34.Chaetopterus
- 35.Hirudinaria

36. Trocophora larva
37. Cancer
38. Palaemon
39. Scorpion
40. Scolopendra
41. Sacculina
42. Limulus
43. Peripatus
44. Larvae A). Nauplius B). Mysis C). Zoea
45. Mouth parts of Anopheles (Male & Female)
46. Mouthparts of Male & Female Culex
47. Mouthparts of House fly
48. Mouthparts of Butterfly
49. Chiton
50. Pila
51. Unio
52. Pterido
53. Murex
54. Sepia
55. Loligo
56. Octopus
57. Nautilus
58. Glochidium larva
59. Asterias
60. Ophiothrix
61. Echinus
62. Clypeaster
63. Cucumaria
64. Antedon
65. Bipinnaria larva
66. Balanoglossus
67. Tornoria larva

Q II). Dissect and display the..... (Any one) and draw neat and labelled diagram 8 Marks
(Diagram-3, Dissection and display-5)

- A). Prawn Appendages
- B). Nervous system of prawn
- C). Digestive system of prawn .
- D). Mounting of Statocyst
- E). Mounting of Insect mouth parts

Q III). Field Visit & Note Book 04 Marks

Q IV). Project Work 03 Marks

Q V). Certified practical record 03 Marks

Q VI). Animal Album 03 Marks

Q VII). Viva voce 02 M

FACULTY OF SCIENCE
BSc I YEAR PRACTICAL EXAMINATION
SEMESTER –III PAPER –III
SUBJECT : ZOOLOGY

(ANIMAL DIVERSITY – VERTEBRATES and DEVELOPMENTAL BIOLOGY)

QUESTION BANK

Time : 3 Hrs

Maximum Marks :50

Q I).Identify and classify the given (a ,b,c,d,e,f,g and h) spots . Draw labelled diagram and write identification characters.

(6 Museum specimens –One from every phylum + 2 slides)

8x3= 24 Marks

- 1.Amphioxus
- 2.Amphioxus T.S. through pharynx
- 3.Petromyzon
- 4.Myxine
- 5.Ammocoetus larva
- 6.Sphyrna
- 7.Pristis
- 8.Torpedo
- 9.Channa
- 10.Pleuronectes
- 11.Hippocampus
- 12.Exocoetus
- 13.Echineis
- 14.Labeo
- 15.Catla
- 16.Clarius
- 17.Anguilla
- 18Protopterus
- 19.Scales of fishes
 - a).Placoid b).Cycloid c).Ctenoid
- 20.Ichthyophis
- 21.Amblystoma
- 22.Siren
- 23.Hyla
- 24.Rachophorus
- 25.Bufo
- 26.Rana
- 27.Axolotal larva
- 28.Draco
- 29.Chamaeleon
- 30.Gecko
- 31.Uromastix
- 32.Vipera russeli
- 33.Naja
- 34.Bungarus
- 35.Enhydrina

36. Typlops
37. Testudo
38. Trionix
39. Crocodilus
40. Ptyas
41. Archaeopteryx
42. Passer
43. Psittacula
44. Bubo
45. Alcedo
46. Columba
47. Corvus
48. Pavo
49. Collection and study of different types of feathers
 - a). Quill b). Contour c). Filoplume d). Down
50. Ornithorhynchus
51. Tachyglossus
52. Pteropus
53. Funambulus
54. Manis
55. Loris
56. Hedgehog
57. T.S. of liver
58. T.S. of Panceas
59. T.S. of Intestine
60. T.S. of lungs
61. T.S. of Artery
62. T.S. of vein
63. T.S. of bone
64. T.S. of Spinal cord

Q II). Identify the given (a and b) spots. Draw labelled diagram and write identification characters. (2 spots)

4 Marks.

1. Pectoral girdle of Varanus
2. Pectoral girdle of Pigeon
3. Pectoral girdle of Rabbit
4. Pelvic girdle of Varanus
5. Pelvic girdle of Pigeon
6. Pelvic girdle of Rabbit
7. Humerus of Varanus
8. Humerus of Pigeon
9. Humerus of Rabbit
10. Radius and Ulna of Varanus
11. Radius and Ulna of Pigeon
12. Radius and Ulna of Rabbit
13. Manus (Hand bones) of Varanus
14. Manus (Hand bones) of Pigeon
15. Manus (Hand bones) of rabbit
16. Femur of Varanus
17. Femur of Pigeon
18. Femur of Rabbit

19. Tibia-Fibula of Varanus
20. Tibia-Fibula of Pigeon
21. Tibia-Fibula of Rabbit
22. Bones of hind foot-Varanus
23. Bones of hind foot –Pigeon
24. Bones of hind foot-Rabbit

Q III). Dissect and display the(Any one) and draw neat and labelled diagram. 7 Marks
(Diagram-2, Dissection and display-5)

- A). Digestive system of Labeo/Tilapia
- B). Brain and Weberian ossicles of Labeo/Tilapia
- C). V, VII, IX and X cranial nerves of Labeo/Tilapia

Q IV). Identify the given (a and b) spots. Draw labelled diagram and write identification characters. (2 spots)

4 Marks.

1. T.S. of Testis of mammal
2. T.S. of Ovary of mammal
3. 2 cell stage (cleavage)
4. 4 cell stage (cleavage)
5. 8 cell stage (cleavage)
6. 16 cell stage (cleavage)
7. Morula
8. Blastula
10. Chick embryo of 18 hours
11. Chick embryo of 24 hours
12. Chick embryo of 33 hours
13. Chick embryo of 48 hours

Q V). Certified practical record ----

04 Marks

Q VI). Animal Album ----

05 Marks

Q VII). Viva voce ----

02 Marks