

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES
2010/2011 FIRST SEMESTER EXAMINATION
BLY 112: ANIMAL DIVERSITY

INSTRUCTION: Answer ALL questions.

Time: 1hr 30 mins

SECTION A

Provide the etymology of the following words

1. Porifera _____
2. Cnidaria _____
3. Platyhelminthes _____
4. Ctenophora _____
5. Eucoelomata _____
6. Pseudocoelomata _____
7. Acoelomata _____
8. The concentration of nervous tissue towards the anterior end of an animal, form a head and brain in higher forms is tagged _____
9. _____ proposed the binomial nomenclature.

What is the zoological name of the following animals?

10. Lion _____
11. Sheep _____
12. Snail _____
13. Human intestinal roundworm _____
14. Domestic dog _____
15. Domestic cat _____
16. Common toad _____
17. Chameleon _____
18. Cnidaria and Ctenophora belong to the Grade _____ as _____, _____ and _____ are the Branches of Kingdom Animalia.
19. The body space in which most internal organs are suspended in higher animals is known as _____
20. The _____ is thin in Cnidaria but thick and _____ in Ctenophora.
21. The anus is _____ in Nematoda but _____ in earthworms.
22. Platyhelminthes are _____ while Nematodes are dioecious.

Answer True/False in the following questions. Tick appropriate option in the box.

- | | | |
|---|-------------------------------|--------------------------------|
| 23. Nematodes are segmented. | True <input type="checkbox"/> | False <input type="checkbox"/> |
| 24. The coelom is large in earthworms but much reduced in snails. | True <input type="checkbox"/> | False <input type="checkbox"/> |
| 25. Cnidarians are diploblastic. | True <input type="checkbox"/> | False <input type="checkbox"/> |
| 26. Flatworms belong to the Bilateria. | True <input type="checkbox"/> | False <input type="checkbox"/> |

27. Protista are Prokaryotic.

True False

SECTION B

28. What is tagmatization? _____

(2 Marks)

29. List the different tagma found in the following organisms.

- (i) Butterfly _____
- (ii) Prawn _____
- (iii) Scorpion _____
- (iv) Millipede _____
- (v) Cockroach _____

(5 Marks)

30. List with one example each the three subphyla in the Phylum Arthropoda.

- (i) Subphylum _____ e.g. _____
- (ii) Subphylum _____ e.g. _____
- (iii) Subphylum _____ e.g. _____

(6 Marks)

31. List with one example each the classes of the Phylum Echinodermata

- (i) Class _____ e.g. _____
- (ii) Class _____ e.g. _____
- (iii) Class _____ e.g. _____
- (iv) Class _____ e.g. _____
- (v) Class _____ e.g. _____

(10 Marks)

32. List and describe the location of the four basic Chordate features.

	Name	Location

(8 Marks)

33. List only the eight classes of the subphylum Vertebrata.

- (i) Class _____ (v) Class _____
- (ii) Class _____ (vi) Class _____
- (iii) Class _____ (vii) Class _____
- (iv) Class _____ (viii) Class _____

(4 Marks)