

MS JUNIOR COLLEGE
Hyderabad

GUESS PAPER - 1
INTERMEDIATE 1ST YEAR
ZOOLOGY - I

Time: 3hours

Max.Marks:60

INSTRUCTIONS:

1. Q.Nos: 1 - 10 are Very Short Answer Type. Answer them in about 30 words each. Each question carries 2 marks.
2. Q. Nos: 11 - 18 are Short Answer Type. Answer them in 75 - 100 words each. Each question carries 4 marks.
3. Q.Nos: 19 - 21 are Long Answer Type. Answer them in about 300 words each. Each question carries 8 marks.

I. Very Short Type Questions: Answer ALL.

[10 x 2 = 20]

1. Nematode is a protostomian but not a eucoelomate. Justify the statement.
2. Mention the animals that exhibited a 'tube-within-a-tube' organisation for the first time? Name their body cavity.
3. What are Volkmann's canals? what is their role?
4. Distinguish between amphids and phasmids.
5. What are claspers? which group of fishes possesses them?
6. What are dynien arms? what is their significance?
7. 'Entamoeba histolytica is an obligatory anaerobe'. Justify.
8. Draw a labelled diagram of T.S of flagellum.
9. What is 'Storage excretion'?
10. What is biological magnification?

II. Short Type Questions: Answer any SIX.

[6 x 4 = 24]

11. What are the reasons for greater biodiversity in the tropics?
12. Explain Haversian system .
13. Cephalopods show several unique or advanced features when compared to the other molluscs. Discuss briefly.
14. What are the features peculiar to ratite birds? Give two examples of ratite birds.
15. Give an account of pseudopodia.
16. Distinguish between addiction and dependence.
17. Draw a neat labelled diagram of the salivary apparatus of cockroach?
18. Discuss the causes and effects of global warming. What measures need to be taken to control ' Global Warming'?

III. Essay Type Questions. Answer any Two:

[2 x 8 = 16]

19. Describe the life cycle of Plasmodium vivax in man.
20. Describe the blood circulatory system of periplaneta in detail and draw a neat and labelled daigram of it?
21. Write an essay on temperature as an ecological factor.

*** *All the Best* **