MS JUNIOR COLLEGE
Hyderabad
GUESS PAPER - 2
INTERMEDIATE 1ST YEAR

Time: 3hours   **ZOOLOGY - I**   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.   Invasion of an Alien Species leads to extinction of native species. Justify this with two examples.
2.   Mention any two substanses secreted by mast cells and their functions.
3.   Distinguish between brown fat and white fat.
4.   Which arthopod, you have studied, is called a living fossil ? Name its respiratory organs?
5.   Name two poisonous and non poisonous snakes found in south India.
6.   Distinguish between synchronous and metachronous movements.
7.   Why are cannabinoids and anabolic steroids banned in sports and games?
8.   What is a hyper - parasite? Mention the name of one hyper - parasite.
9.   What is paurometabolous development?
10. Distinguish between photoperiod and critical photoperiod.

II.   Short Type Questions: Answer any SIX.   **[6 x 4 = 24]**

11. What is the 'evil quartet' ?
12. Describe the structure of a cardiac muscle.
13. What are the chief characters of the crustaceans ?
14. Describe the male reproductive system of frog with the help of a labelled diagram
15. Write a short note on multiple fission.
16. Draw a neat labelled diagram of the mouthparts of cockroach?
17. 'Prevention is better than cure' Justify with regard to TDA abuse.
18. Describe "Green House Effect" ?

III.   Essay Type Questions. Answer any Two: **[2 x 8 = 16]**

19. Describe the structure and life cycle of Ascaris lumbricoides with the help of a neat and labelled daigrams.
20. Describe the digestive system of cockroach with the help of a neat labelled daigram?
21. Describe lake as an ecosystem giving examples for the various zones and the biotic componenets in it.

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