

MS JUNIOR COLLEGE
Hyderabad

GUESS PAPER - 1
INTERMEDIATE 2nd YEAR
ZOOLOGY - II

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. What is auto catalysis? Give two examples.
2. Sino-atrial node is called the pacemaker of our heart. why?
3. Name two cranial sutures and their locations.
4. Name the structural and functional units of kidney. What are the two main types of structural units in it.
5. What is all-or-none principle?
6. What is 'insulin shock'?
7. It is true that 'MTP' is not meant for population control'. Then why did the Government of India legalize MTP?
8. What does prolonged P - R interval indicate ?
9. Define prebiotic soup. who coined this term?
10. Explain the term hypophysation.

II. Short Type Questions: Answer any SIX.

[6 x 4 = 24]

11. What are the functions of liver?
12. How is respiratory movements regulated in man?
13. Describe the steps involved in DNA fingerprinting technology?
14. Draw a labelled diagram of the T.S of the spinal cord of man.
15. Write a note on Addison's disease and Cushing's syndrome.
16. Explain the mechanism by which HIV multiplies and leads to AIDS ?
17. What is meant by genetic drift. Explain genetic drift citing the example of founder effect
18. Discuss briefly the process of indirect ELISA.

III. Essay Type Questions. Answer any Two:

[2 x 8 = 16]

19. Describe the female reproductive system of a woman?
20. What is crisscross inheritance? Explain the inheritance of one sex linked recessive character in human beings?
21. Explain the physiology of urine formation.
