

**ONE TWO ACADEMY****STD 10 SCIENCE****Reproduction****Total:- 25 marks****Time:- 45 minutes****Answer the following questions:****4 x 1 = 4**

1. What is the enzyme present in the acrosome of sperm?
2. Planaria reproduces asexually by \_\_\_\_\_.
3. Name two organisms which reproduce through budding.
4. Mention the need for contraception.

**Answer any three of the following questions:-****3 x 2 = 6**

5. How does binary fission differ from multiple fission?
6. Why are family planning methods not adopted by all the people of our country?
7. Define triple fusion.
8. Fill in the blanks:
  - (i) Prolactin is a hormone produced by \_\_\_\_\_.
  - (ii) If the single egg is fertilised and then divides into two foetus \_\_\_\_\_ develop.

**Answer any two of the following questions:-****2 x 4 = 8**

9. With a neat labelled diagram describe the parts of a typical angiosperms ovule.
10. State the types of UTIs and explain them in detail.
11. Draw and label the parts of the following: (i) Ovule (ii) Pollen Grain
12. Explain the following terms (i) tubectomy (ii) vasectomy. (iii) zygote (iv) menopause

**Answer any one of the following questions:-****1 x 7 = 7**

12. a) What are the phases of the menstrual cycle? Indicate the changes in the ovary and uterus.  
b) Draw the structure of sperm and label its parts.
13. What is pollination? What are the types of pollination? Give the advantages and disadvantages of both types.