

# NEET Predicted Question Paper 2024 for Biology (2)

**1. Which of the following is not a method of ex situ conservation?**

- (1) Cryopreservation
- (2) In vitro fertilization
- (3) National Parks
- (4) Micropropagation

**2. Which one of the following statements cannot be connected to Predation?**

- (1) It is necessitated by nature to maintain the ecological balance
- (2) It helps in maintaining species diversity in a community
- (3) It might lead to extinction of a species
- (4) Both the interacting species are negatively impacted

**3. XO type of sex determination can be found in:**

- (1) Monkeys
- (2) Drosophila
- (3) Birds
- (4) Grasshoppers

**4. What amount of energy is released from glucose during lactic acid fermentation?**

- (1) Less than 7%
- (2) Approximately 15%
- (3) More than 18%
- (4) About 10%

**5. Identify the incorrect statement related to Pollination:**

- (1) Moths and butterflies are the most dominant pollinating agents among insects
- (2) Pollination by water is quite rare in flowering plants
- (3) Pollination by wind is more common amongst abiotic pollination
- (4) Flowers produce foul odours to attract flies and beetles to get pollinated

**6. Regarding Meiosis, which of the statements is incorrect?**

- (1) Four haploid cells are formed at the end of Meiosis-II
- (2) There are two stages in Meiosis, Meiosis-I and II
- (3) DNA replication occurs in S phase of Meiosis-II
- (4) Pairing of homologous chromosomes and recombination occurs in Meiosis-I

**7. Which of the following is not a connective tissue?**

- (1) Neuroglia
- (2) Blood
- (3) Adipose tissue
- (4) Cartilage

**8. In an E. Coli strain i gene gets mutated and its product can not bind the inducer molecule. If growth medium is provided with lactose, what will be the outcome?**

- (1) RNA polymerase will bind the promoter region
- (2) Only z gene will get transcribed
- (3) z, y, a genes will be transcribed
- (4) z, y, a genes will not be translated

**9. Which of the following statements are true for spermatogenesis but do not hold true for Oogenesis?**

- (a) It results in the formation of haploid gametes*
- (b) Differentiation of gamete occurs after the completion of meiosis*
- (c) Meiosis occurs continuously in a mitotically dividing stem cell population*
- (d) It is controlled by the Luteinising hormone (LH) and Follicle Stimulating Hormone (FSH) secreted by the anterior pituitary*
- (e) It is initiated at puberty*

**Choose the most appropriate answer from the options given below:**

- (1) (b), (c) and (e) only
- (2) (c) and (e) only
- (3) (b) and (c) only
- (4) (b), (d) and (e) only

**10. At which stage of life the oogenesis process is initiated?**

- (1) Adult
- (2) Puberty
- (3) Embryonic development stage
- (4) Birth