

BOARD-PATTERN PRACTICE PAPER · CBSE CLASS 12

Human Reproduction

Biology · Chapter 2 · Matches current CBSE blueprint · Each question PYQ-sourced where indicated

DATE _____	TOTAL MARKS 30	DURATION 60 min	MARKING As per board	TARGET ≥ 24/30
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GENERAL INSTRUCTIONS

1. All questions are compulsory.
2. Section A carries 1-mark questions; Section B carries 2-mark questions; Section C carries 3-mark questions; Section D carries 5-mark questions.
3. Draw labelled diagrams wherever asked.
4. Use only blue/black ink. Diagrams may be drawn in pencil.

Section A (1-mark questions)

5 MARKS · 8 MIN

- Q1.** Name the site of fertilisation in the human female reproductive tract. [PYQ 2021 Delhi] **[1 mark]**
- Q2.** Which hormone surge directly triggers ovulation? [PYQ 2022 All India] **[1 mark]**
- Q3.** Name the cell of the testis stimulated by FSH. [PYQ 2020 Delhi] **[1 mark]**
- Q4.** What is colostrum, and why is it important? [PYQ 2024 Delhi] **[1 mark]**
- Q5.** Name the hormone detected by home pregnancy tests. [PYQ 2024 All India] **[1 mark]**

Section B (2-mark questions)

6 MARKS · 12 MIN

- Q6.** Differentiate between spermatogenesis and oogenesis with respect to (i) site and (ii) number of functional gametes produced. [PYQ 2023 Delhi] **[2 marks]**
- Q7.** List the four phases of the menstrual cycle with their day ranges in a 28-day cycle. [PYQ 2022 All India] **[2 marks]**
- Q8.** Name the three accessory glands of the male reproductive system and state ONE function of any one. [PYQ 2020 All India] **[2 marks]**

Section C (3-mark questions)

9 MARKS · 18 MIN

- Q9.** Draw a labelled diagram of T.S. of a seminiferous tubule. Label Sertoli cell, spermatogonia, and Leydig cell. [PYQ 2022 Delhi] **[3 marks]**
- Q10.** Explain the role of the placenta during pregnancy. [PYQ 2023 All India] **[3 marks]**
- Q11.** Describe parturition and the role of oxytocin. [PYQ 2020 Delhi] **[3 marks]**

Section D (5-mark questions)

10 MARKS · 22 MIN

- Q12.** Explain the menstrual cycle in a human female with respect to the changes in hormone levels (FSH, LH, estrogen, progesterone). Draw a labelled graph to support your answer. [PYQ 2024 Delhi] **[5 marks]**
- Q13.** Describe spermatogenesis in humans with a schematic representation. Mention the ploidy at each stage and the hormones involved. [PYQ 2024 All India] **[5 marks]**

Marking scheme & model answers — see companion Answer Key PDF · all PYQs traceable to actual CBSE papers · readyforboards.com · +91 70330 05444