

# Haryana Board Class 12 Biology Question Paper (Memory Based)

Time Allowed :3 Hour	Maximum Marks :60	Total Questions :24
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## General Instructions

Read the following instructions very carefully and strictly follow them:

- Answers to this Paper must be written on the paper provided separately.
- You will not be allowed to write during the first 15 minutes
- This time is to be spent in reading the question paper.
- The time given at the head of this Paper is the time allowed for writing the answers,
- The paper has four Sections.
- Section A is compulsory - All questions in Section A must be answered.
- You must attempt one question from each of the Sections B, C and D and one other question from any Section of your choice.

1. Explain the various phases of the menstrual cycle.

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2. Define Double Fertilization and explain its significance in flowering plants.

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3. What is Megasporogenesis? Describe the development of a female gametophyte.

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4. Discuss different contraceptive methods and their roles in population control.

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5. State and explain Mendel's Law of Independent Assortment using a dihybrid cross.

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6. Explain the Semi-conservative mode of DNA replication with the Meselson and Stahl experiment.

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7. Define Adaptive Radiation and give examples like Darwin's Finches.

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8. What is Innate Immunity? Differentiate between active and passive immunity.

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9. Define AIDS, its causative agent, and methods of prevention.

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