

BOARD-PATTERN PRACTICE PAPER · CBSE CLASS 11

Plant Kingdom

Biology · Chapter 3 · 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 2-mark, Section C 3-mark, Section D 5-mark.
3. Draw labelled diagrams wherever asked — they carry independent marks.
4. Write answers in legible English; for terms with locked Hindi equivalents you may add the Hindi term in brackets.

Section A — 1-mark questions

4 MARKS · 8 MIN

- Q1.** Name the pigment responsible for the brown colour of Phaeophyceae. [PYQ 2019 Delhi] **[1 mark]**
- Q2.** Why are bryophytes called 'amphibians of the plant kingdom'? Answer in one line. [PYQ 2024 Delhi] **[1 mark]**
- Q3.** What is meant by a 'naked seed' in gymnosperms? [PYQ 2023 Delhi] **[1 mark]**
- Q4.** From which group of algae is agar obtained? [PYQ 2020 All India] **[1 mark]**

Section B — 2-mark questions

6 MARKS · 12 MIN

- Q5.** Distinguish monocotyledons from dicotyledons on the basis of cotyledon number, venation, root type and floral symmetry. [PYQ 2022 Delhi] **[2 marks]**
- Q6.** Why is the leafy moss plant called the gametophyte? State its relationship with the sporophyte. [PYQ 2019 All India] **[2 marks]**
- Q7.** State two economic uses of algae with the algal source for each. [PYQ 2021 Delhi] **[2 marks]**

Section C — 3-mark questions

9 MARKS · 18 MIN

- Q8.** Define alternation of generations and distinguish haplontic, diplontic and haplo-diplontic life cycles with one example each. [PYQ 2023 Delhi] **[3 marks]**
- Q9.** Differentiate gymnosperms and angiosperms on the basis of (i) seed, (ii) flowers/fruit, and (iii) fertilisation, with one example of each. [PYQ 2023 All India] **[3 marks]**
- Q10.** Describe the life cycle of a pteridophyte (fern), naming the dominant generation, the spore-bearing structures and the gametophyte. [PYQ 2020 Delhi] **[3 marks]**

Section D — 5-mark question

11 MARKS · 22 MIN

- Q11.** Compare the THREE classes of algae — Chlorophyceae, Phaeophyceae and Rhodophyceae — on the basis of common name, major pigments, stored food, cell wall, and one example each. Present your answer as a table. [PYQ 2024 Delhi] **[5 marks]**
- Q12.** Explain alternation of generations in plants. With the help of labelled flow, describe the bryophyte life cycle and state why the gametophyte is dominant. [PYQ 2022 All India] **[6 marks]**

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