

Chapter:3 Plant Kingdom

True and False

Q.No	Question	Answer True/ False	Typology
Q.1	Protenema is second stage in the life cycle of mosses.	False	Understanding
Q.2	Fragmentation is a type of asexual reproduction in algae.	True	Knowledge
Q.3	In Pteridophytes sporophylls form strobili.	True	Understanding
Q.4	In monocots flowers are trimerous.	True	Knowledge
Q.5	Diplontic life cycle is found in <i>Spirogyra</i> .	False	Knowledge
Q.6	Egg cell and synergids form egg apparatus in <i>Angiosperms</i> .	True	Knowledge
Q.7	Microsporophylls form the female strobilus.	False	Understanding
Q.8	<i>Adiantum</i> is an example of Pteropsida.	True	Knowledge
Q.9	In Bryophytes female gametes are known as antherozoids.	False	knowledge
Q.10	The roots of cycas are associated with N ₂ fixing cyanobacteria.	True	Knowledge

Multiple Choice Questions

Q.No	Question	Answer	Typology
Q.1	Red color in red algae is due to presence of: A: r-phycoerythrin B: Phycoerythrin C: Fucoxanthin D: Both A and B	A: r- phycoerythrin	Knowledge

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Q.2	Zoospores are produced by: A: Fungi B: Algae C: Bryophytes D: None of these	B: Algae	Knowledge
Q.3	Pyrenoids of chloroplast contains: A: Protein B: Fat C: Starch D: Vitamins	A: Protein	knowledge
Q.4	Isogamous gametes are produced by: A: Spirogyra B: Ectocarpus C: Porphyra D: None of these.	A: Spirogyra	Knowledge
Q.5	Holdfast, stipe and frond constitute the plant body in A: Rhodophyceae B: Chlorophyceae C: Pheophyceae D: All of these	C: Pheophyceae	Knowledge
Q.6	Embryo-sac of an angiosperm is made up of: A: Eight cell B: Seven cells and eight nuclei C: Eight nuclei D: Seven cells and Seven nuclei	B: Seven cells and eight nuclei	Understanding
Q.7	The giant Redwood tree (<i>Sequoia sp.</i>) is a: A: Gymnosperm B: Free fern C: Angiosperm D: Pteridophytes	A: Gymnosperm	Knowledge
Q.8	Heterospory is found in: A: Riccia B: Selaginella C: Pteris D: Marchantia	B: Selaginella	Knowledge
Q.9	Pteridophytes differ from Bryophytes because of: A: Presence of Archegonia B: Presence of vascular tissue C: Alternation of generation D: Presence of motile antherozoids	B: Presence of vascular tissue	Understanding

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Q.10	The structure called as Protonema is found in: A: Mosses B: Liverworts C: Pteridophyta D: None of these	A: Mosses	Knowledge
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Fill in the Blanks

Q.No	Question	Answer	Typology
Q.1	There are three _____ cells in an embryo sac.	Antipodal	Understanding
Q.2	The leaf like photosynthetic organ of brown algae is called _____	Frond	Knowledge
Q.3	The class of algae that reproduce asexually by non-motile spores and sexually by non-motile gametes _____	Rhodophyceae	Knowledge
Q.4	Spore producing structure of fern is _____	Sporophyll	Knowledge
Q.5	The food storage structure of green algae is _____	Pyrenoids	Knowledge
Q.6	The tallest tree of gymnosperms is _____	Sequoia / redwood	Knowledge
Q.7	Only stage of algae that represent diploid condition is _____	Zygote.	Understanding
Q.8	Seed habit is observed in the _____ division of plant kingdom	Pteridophyte	Understanding
Q.9	Heart shaped photosynthetic thalloid gametophyte of pteridophyte is called _____.	Prothallus	Knowledge
Q.10	Pinnate leaves are found in _____.	Cycas	Knowledge

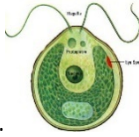
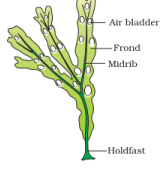
Match the Following

Q.No	Question		Answer		Typology
Q.1	Column A a.Chlamydomonas b.Cycas	Column B i)Pteridophytes ii)Algae. iii)Gymnosperms iv)Angiosperms	Column A a. b.	Column B ii) iii)	Knowledge

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Q.2	Column A a. Phycoerythrin b. Prothallus	Column B i) Fern ii) Laminaria iii) Red algae iv) brown algae	Column A a. b.	Column B iii) i)	Understanding
Q.3	Column A a. Bryophyte b. Pteridophyte	Column B i) Spirogyra ii) Equisetum iii) Funaria iv) Lycopodium	Column A a. b.	Column B iii) ii)	Knowledge
Q.4	Column A a. Volvox b. Capsule	Column B i) Pinus ii) Gamete producing structure iii) Colonial iv) Spore producing structure	Column A a. b.	Column B iii) iv)	Understanding
Q.5	Column A a. Algin b. Agar Agar	Column B i) Carageen ii) Gracilaria iii) Spirogyra iv) Lycopodium	Column A a. b.	Column B i) ii)	Understanding
Q.6	Column A a. Agar-Agar b. Gemma cells in Marchantia	Column B i) Liverworts ii) Gelidium sp. iii) moss iv) Laminaria	Column A a. b.	Column B ii) i)	Application
Q.7	Column A a. Heterothallic b. Antheridia	Column B i) Chara ii) Marchantia iii) Microsporangia iv) Cyanobacteria	Column A a. b.	Column B ii) iii)	Understanding
Q.8	Column A a. Fragmentation b. Microsporangia	Column B i) Polysiphonia ii) Chara iii) Chlamydomonas iv) Male strobili	Column A a. b.	Column B ii) iv)	Knowledge
Q.9	Column A a. Natural classification b. Five kingdom classification	Column B i) Carl Woes ii) Carl Linnaeus iii) Whittaker iv) George Bentham	Column A a. b.	Column B ii) iii)	Knowledge

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Q.10	<p>Column A</p> <p>a. </p> <p>b. </p>	<p>Column B</p> <p>i) Volvox ii) Chlamydomonas iii) Fucus iv) Polysiphonia</p>	<p>Column A</p> <p>a. b.</p>	<p>Column B</p> <p>ii) iii)</p>	Skill based
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