

Answer Key for Botany Paper 1 Sem IV Exam - code 32000

Q.1.A	Choose the correct option from the following	10 Marks
i.	Sac fungi	01
ii.	Dead man's finger	01
iii.	Fructicose	01
iv.	Powdery mildew	01
v.	Geotrophic	01
vi.	Petrification	01
vii.	Protostele	01
viii.	Coniferales	01
ix.	Cardiocarpus	01
x.	Siphonostele	01
Q.1.B	Answer the following in one or two sentences	10 Marks
i.	Perithecium It is flask shaped with opening known as ostiole through which ascospores escape.	02
ii.	Uses of Lichen & example i. Food (<i>Parmelia</i>) ii. Fodder (<i>Lobaria/ Ramalina</i>) iii. Medicine (<i>Parmelia/Cladonia</i>) iv. Perfumery (<i>Usnea/Evernia</i>) (any two type of the above)	02
iii.	Amber It is fossilized tree resin of certain fossil conifers, which flowed due to injuries caused by boring insects or decaying branches.	02
iv.	Two types of vegetative reproduction in <i>Selaginella</i> Fragmentation Stem tubers	02
v.	Two species of <i>Pinus</i>. i. <i>Pinus wallichiana</i> ii. <i>Pinus armandi</i> iii. <i>Pinus gerardiana</i> iv. <i>Pinus roxburghii</i> (any two of the above)	02
Q.2.	Answer any two of the following	20 Marks
i.	General characters of ascomycetes Any ten characters	10
ii.	Sexual reproduction of <i>Erysiphe</i> Description 07 Diagram 03	10
iii.	Sexual reproduction of <i>Xylaria</i> Description 07	

	Diagram 03	
iv.	Powdery mildew Causal organism 01 Symptoms 02 Disease cycle 05 Control measure 02	10
Q.3.	Answer any two from the following	20 Marks
i.	Psilophyta Description 06 Classification up to order 04	10
ii.	T.S. of <i>Selaginella</i> stem Description 07 Diagram 03	10
iii.	Process of fossilization Description 05 Pterification Description 05	10
iv.	External morphology of <i>Rhynia</i> plant Description 03 Diagram 02 Internal structure of stem Description 03 Diagram 02	10
Q.4.	Answer any two from the following	20 Marks
i.	Salient features of Coniferophyta Ornamental value, food, medicine. sources of oil, wood, tannins, resins, oleoresin, amber. (with examples)	10
ii.	Internal structure of old stem of <i>Pinus</i> Description 06 Diagram 04	10
iii.	L.S. of female cone of <i>Pinus</i> Description 03 Diagram 02 V.S. of ovule Description 03 Diagram 02	10
iv.	Internal structure of <i>Cordaites</i> stem Description 04 Diagram 03 Systematic position with reason 03	10
Q.5.	Write short Notes on any four	20 Marks (5 Marks Each)
i.	Systematic position of <i>Erysiphe</i>	05

	Systematic position with reason 05	
ii.	V.S. of homiomorous Lichen thallus Description 03 Diagram 02	05
iii.	T.S. of rhizophore of <i>Selaginella</i> Description 03 Diagram 02	05
iv.	Systematic position of <i>Rhynia</i> Description 03 Diagram 02	05
v.	T.S. of <i>Pinus</i> needle Description 03 Diagram 02	05
vi.	Female strobilus of <i>Cordaites</i> Description 03 Diagram 02	05