

NAT II Biological Science Botany

Sr	Questions	Answers Choice
1	Fruits of <i>Emblica officinalis</i> are used for making	A. Oil B. Perfume C. Hair dye D. All of these
2	Protanopia is	A. Green blindness B. Red blindness C. Yellow blindness D. Blue blindness
3	Latex produced by <i>Cryptostegia grandiflora</i> is a source of	A. Fodder B. Rubber C. Fiber D. Stuffing material
4	In ecosystem an eagle may eat blue birds may eat insects, like caterpillar which feeds on green leaves this is a example of	A. Simple food chain B. Food web C. Succession D. Community relay
5	In ----- long flowering stalk develops	A. Parthenocarp B. Elongation C. Vernalizaion D. Bolting
6	The botanical name of date (khajoor) is	A. <i>Phoenix slyvestris</i> B. <i>Cucumcifer</i> C. <i>Cryotaurens</i> D. <i>Raphisruffia</i>
7	Adolph Engler classified the whole plant kingdom on the basis of	A. Natural B. Artificial C. Phylogenetic D. Modern
8	It is one of the two or more specimen cited by an author of the species when no holotype was designated	A. Isotype B. Lctotype C. Syntype D. Paratype
9	Aggregates of closely related species	A. Infra specific species B. Variety C. Subspecies D. Genus
10	Locus is	A. Segment of chromosome B. Position of a gene on the chromosome C. Genes present on one chromatid D. Collection of genes at specific part of chromosome
11	The botanical name of plum is	A. <i>Prunuspersica</i> B. <i>Pyruscommunis</i> C. <i>Prunusdomestica</i> D. <i>Rosa Alba</i>
12	----- are the reaction that takes place during the light phase of photosynthesis	A. Kelvin cycle B. Photo-reaction C. Hill's reaction D. All
13	Seed of family Ranunculaceae is	A. Endospermic B. Endosperm oily C. pericarp D. Both a and b
14	Study of relationship of animals to their environment is termed as	A. Ecology B. Eco C. System D. Biotic components
15	The water culture technique for growing plants with their roots in a recirculating water solution is	A. Hydroponics B. Sericulture C. Hygoculture

		D. Hydroculture
16	"In this stage the lichens are just like crumpled leaves attached at one point" about which stage we are talking	A. Crustose lichen stage B. Foliose lichen stage C. Moss stage D. Herbaceous stage
17	Plants of Euphorbiaceae contain the vitamin	A. A B. B C. C D. D
18	An ecosystem is forged from bare rock, sand or clear glacial pool where there is no trace of previous life it refers to	A. Secondary succession B. Hydrosere C. Xerosere D. primary succession
19	Vegetative parts of ----- are easier to observe than reproductive parts	A. Angiosperms B. Gymnosperms C. Bryophytes D. Pteridophytes
20	Stephen Endlicher classified plants into two major groups	A. Thalophytes and pteridophytes B. Thalophytes and carmophytes C. Bryophytes and pteridophytes D. Angiosperms and ghmnosperms
21	Fungi are used in food industry, which fungi is used in bakery for flavor, aroma, color to some cheese	A. Yeast B. Penicillium C. Aspergillus D. Neurospora
22	Fruits of leguminosae is	A. Legume B. Lomentum C. Drupe D. Both a & b
23	All fungi lack chlorophyll and on the basis of their mode of nutrition, they include all these groups except	A. Absorptive heterotrophs B. Saprotrophs C. Decomposers D. Autotrophs
24	In Zygomycota during sexual reproduction, zygote formed directly by the fusion of hyphae forms temporary, dormant, thick walled resistant structure called as	A. Ascospores B. Zygosporangia C. Asci D. Ascocarps
25	Parasitic fungi absorb nutrients directly from the living host cytoplasm with the help of hyphal tips called as	A. Rhizoids B. Constricting ring C. Haustoria D. Hyphae
26	Plants of asclepiadaceae are mostly	A. Herbs B. Shrubs C. Trees D. All the them
27	It includes the plants in which perianth is absent or reduced	A. Apocarpae B. Nudiflorae C. Heteromerae D. Glumaceae
28	The species with the same specific epithet cannot occur in the genus. If this happens, they are called	A. Homonym B. Synonym C. Legitimate D. Illegitimate
29	Bark of Quillajasaponaria is used in preparing	A. Fiber B. Dye C. Paper D. Shampoos
30	A succulent berry with hard rind is commonly known as	A. Drupe B. Pome C. Pepo D. None
31	Saccharomyces cerevisiae is the most commonly exploited yeast which feature highlights their economic importance	A. Asexual reproduction B. Unicellular C. They ferment carbohydrate to ethanol and carbon dioxide D. Sexual reproduction
32	Historical remnants of structures that had important function in ancestors but are no longer essential presently are called	A. Analogous organs B. Vestigial organs C. Fossils D. None of these

A. Change from simple to more

33	Which of the following describes the process of natural selection?	A. Change from simple to more complex organisms B. Differential reproductive success between genotypes C. Increase in size of population D. Occurrence of new mutations
34	Plants of family asclepiadaceae are used to treat	A. Gastric disorders B. Skin disorders C. Maternal disorders D. None of these
35	Fungi are classified in a number of groups which is one of the following groups that does not show sexual reproduction	A. Zygomycota B. Ascomycota C. Basidiomycota D. Deuteromycota
36	Botanical name of tomato	A. Solanumtuberosum B. Lycopersicumesculentum C. Petunia Alba D. Solanumnigrum
37	What are the major decomposers of the biosphere contributing to the recycling of the elements used by living things?	A. Saprobic fungi and bacteria B. Plants C. Animals D. Algae
38	Cryptostegiagrandiflorais a cultivated ----- growing in gardens.	A. Herb B. Shrub C. Grass D. Climber
39	Raphanussativusis the botanical name of	A. Radish B. Cabbage C. Wall fruit D. Wall cress
40	An ordered array composed of a series of inclusive levels	A. Taxon B. Systematics C. Hierarchy D. Monopoly
41	Niche is a brad term which refers to all these statements except which one	A. Role a species plays in a community B. Job of an organism C. Basic role of an organism in community D. An organism responds to variety of environmental factors
42	The genus name and the specific epithet together	A. Scientific name B. Nomenclature C. Binomial D. Specific name
43	Cucumissativusis the botanical name of	A. Bitter gourd B. Vegetable marrow C. Cucumber D. Watermelon
44	The majority of plants of this family provides edible fruits	A. Rosaceae B. Labiaceae C. Ranunculaceae D. Malvaceae
45	When there is a net movement of water molecules occurs towards an imbibant, the type of diffusion is	A. Potential diffusion B. Active diffusion C. Passive diffusion D. Imbibation
46	The disease in which leaves may appear twisted and finally die is	A. Bronzing B. Whiptail disease C. Whiplash disease D. None
47	Apple is a member of family	A. Rasaceae B. Ranunculaceae C. Labiaceae D. Malvaceae
48	What is the contrasting feature on the basis of which fungi are considered different from animals?	A. Lack cellulose in their cell wall B. Heterotrophs C. Contains chitin D. Non-motile
49	Genera with common characteristics are grouped into a more inclusive group	A. Species B. Family C. Genus D. Sub-species

50	Which statement is not true about the family Euphorbiaceae	A. They are found in arctic regions B. They are mainly herbs and shrubs C. They are a source of timber D. Their seed is endospermic
51	In fishes, gill pouches develop into	A. Gills B. Throat & Middle ear C. Eustachian tubes D. Both A and B
52	Fungi cause certain animal diseases. How Ringworm and athlete's foot are caused by fungi	A. Imperfect fungi B. Aspergillus fumigatus C. Purple ergot D. Soil contaminated with bird's feces
53	The principle stage of nitrogen cycle include all of the following except	A. Ammonification B. Nitrification C. Assimilation D. Nitrogen depletion
54	Which one of the following is a biotic component?	A. Atmosphere B. Water C. Fungi D. Soil
55	Seeds of family ----- bear a tuft of hairs	A. Compositae B. Labiateae C. Asclepiadaceae D. Ranunculaceae
56	Cytochrome 'c' found in all aerobic species is a respiratory	A. Carbohydrate B. Protein C. Co-enzyme D. Vitamin
57	Cohesion theory of ascent of sap is proposed by	A. Zimmermann B. John Jolly C. Dixon D. Both a & b
58	Which one of these is a predatory fungus?	A. Pleurotus ostreatus B. Mildews C. Armillaria D. Yeast
59	The body of fungus is called as	A. Mycelium B. Hyphae C. Septate hyphae D. Coenocytic
60	Certain hornlike projections are given out from the back of anthers	A. Translator B. Cuculli C. Gynoestigium D. Pollinium
61	Following statement is in accordance to Darwinism	A. Natural Selection B. Over Production C. Survival of fittest D. All of these
62	The oxidative change of water in photo-chemical excitation occurs in a process	A. Photo-reaction B. Phosphorylation C. Photo-oxidation D. None
63	Males suffering from Jacobs's syndrome have sex chromosomes	A. XXX B. XO C. XXY D. XYY
64	The largest genus of family Solanaceae is	A. Solanum B. Capsicum C. Lyceum D. Atropa
65	Disease in living organisms, which are caused by parasites called as	A. Predation B. Symbiosis C. Infestations D. Mutualism
66	----- lives for more than two growing seasons	A. Binnials B. Annuals C. Perennials D. Bicarpic
67	Calyx sometimes modified into a large number of hairs like structures	A. Pepo B. Pappus C. Ray floret

		D. Neuter
68	Many fungi are the sources of drugs, which drug is used to lower the blood cholesterol level	A. Griseofulvin B. Cyclosporine C. Lovastatin D. Ergotin
69	Pyruscommunis is the botanical name	A. Apple B. Almond C. Apricot D. Lokat
70	Major types of ecosystems, those that occupy board geographical regions are called	A. Climax community B. Biome C. Planetary ecosystem D. Community
71	Bentham and Hooker divided plants in 202 orders	A. Seeded B. non-seeded C. Floral D. non-floral
72	An organism that is caught and eaten is called	A. Predator B. Prey C. Ectoparasites D. Endoparasites
73	Which statement is not true about the family Euphorbiaceae?	A. Self and cross B. Insect and cross C. Self and insect D. Self and wind
74	Translocation into developing organs, i.e. Roots, tubers and reproductive organs is called;	A. Deport B. Export C. Both a & b D. None
75	The botanical name of Ajwain is	A. Ocimum sanctum B. Ocimumbasilicum C. Methe sylvestris D. Coleus aromaticus
76	The botanical name of Kala Zira is	A. Nigella sativa B. Clematyustriloba C. Ranunculus aquatalis D. Delphinium ajasis
77	Mushroom belongs to group of club fungi and has septate, length dikaryotic phase, which is the main phylum to which it belongs	A. Zygomycota B. Basidiomycota C. Deuteromycota D. Ascomycots
78	A symbiotic association between certain fungi and certain photoautotrophes either green algae or a cyanobacterium or sometimes both is termed as	A. Mycorrhizae B. Lichens C. Endomycorrhizae D. Ectomycorrhizae
79	Members of malvaceae are	A. Tropical B. Sub-tropical C. Temperate D. Cosmopolitan
80	----- is the process of ATP production in chloroplast is	A. Photophosphorylation B. Dark reaction C. Calvin cycle D. All
81	A sex limited trait is limited to only one sex due to	A. Taxonomic differences B. Ecological differences C. Physiological D. Anatomical difference
82	Seed of rosaceae is	A. Edosperm B. Endosperm oily C. Non endosperm D. None
83	Why molds can grow on oranges and jelly kept in refrigerator where generally bacteria cannot reach	A. They are well adapted to live on land B. Hyphae are modified C. They can tolerate temperature extremes minus 5 degree centigrade below freezing and 50 degree centigrade or more D. They have rhizoids
84	Wilhelm Fichler divided plants into two groups	A. Bryophytes and pteriidophytes B. Gymnosperms and angiosperms

84	Viridism Greenet divided plants into two groups	C. Thalophytes and carmophytes D. Cryptogamy and Phanerogamy
85	The transference of pollen grains on the stigmatic surface is brought by a special structure	A. Polonium B. Gynoestigium C. Corpusculum D. Translator
86	In an ecosystem Green photosynthetic plants, which capture and bring light energy into ecosystem are termed as	A. Consumers B. Decomposers C. Producers D. Parasites
87	While studying a community er come across three levels of organizations which include all of these except	A. Individual B. Population C. Community D. Species
88	In ----- stems & roots of plants increase in diameter	A. Primary growth B. Secondary growth C. Permanent growth D. Apical growth
89	He distinguished gymnosperms as naked seeded are enclosed in vessels	A. Rebert Brown B. Linneous C. Armen Takhtajan D. Arthur
90	When a single gene effects two or more traits the phenomenon is called	A. Epistasis B. Bombay phenotype C. Gene linkage D. Pleiotropic
91	Rusts belong to the group of club fungi they are called so because	A. Orange-yellow colored disease spots on their host surface B. Dusty spore masses that resemble soot C. Rust have fruiting bodies D. Puccinia species
92	Vegetative parts of ----- are easier to observe than reproductive parts	A. Angiosperms B. Gymnosperms C. Bryophytes D. Pteridophytes
93	Brassica compestris is the member of the family	A. Cucurbitaceae B. Crucifereae C. Compositeae D. Ranunculaceae
94	Gene pool is the total aggregate of gene a ----- at any one time.	A. Individual B. Population C. DNA D. Chromosome
95	Parasexuality is a special type of genetic recombination which is showed by which group of fungi	A. Penicillium B. Imperfect fungi C. Powdery mildews D. Spitting fungus
96	Those individuals whose inherited characteristic fit them best to their environment are likely to leave more offspring, it is referred as	A. Artificial selection B. Natural Selection C. Survival of the fittest D. Both B and C
97	Which of the following can be used as evidence of evolutions?	A. Comparative embryology B. Comparative anatomy C. Genetic Code D. All of these
98	Euphorbia Milli is a	A. Tree B. Herb C. Ornamental shrub D. Ornamental herb
99	Green color blindness is called	A. Parotanopia B. Denteranopia C. Tritanopia D. Non of these
100	Nullo gamete is	A. With one sex chromosome B. With one sex chromosome present C. With no sex chromosome D. Without any chromosome
101	If two substances move in different directions, through the membrane, the contrtransport is called;	A. Antiplast B. Heteroplast C. Apoplast D. None

D. None

102	If an author cited two or more specimens as types, the remaining cited species are	A. Lectotype B. Syntype C. Paratype D. Neotype
103	The process in which energy migration takes place within a group of neighbouring pigments is called	A. Reductive resonance B. Deductive resonance C. Inductive resonance D. None
104	Fruit of labiateae consists of four ----- nutlets.	A. One seeded B. Two seeded C. Three seeded D. Four seeded
105	In fungi asexual reproduction occurs by all these method except which one	A. Spores B. Conidia C. Binary fission D. Budding
106	Fruit of Ranunculaceae is	A. Etaerio of achenes B. Capsule C. Etaerio of follicles D. All of these
107	----- is produced when phosphoenolpyruvic acid combines with CO ₂	A. Oxalic acid B. Citric Acid C. Abcissic acid D. Oxalomalic acid
108	Two species with the same specific epithet cannot occur in the genus. If this happens, the earlier valid name will retain and the latter will become it	A. Homonym B. Synonym C. Legitimate D. Illegitimate
109	The species which is at the threat of danger of extinction is called	A. Endangered species B. Extinct species C. Threatened species D. All of these
110	In plants the process of respiration is also termed as;	A. Tissue respiration B. Eqidermal respiration C. Both a & b D. Cutaneous Respiration
111	What are the important features that fungi have which help them in their survival on land?	A. Tolerate wide range of pH B. Tolerate temperature C. Tolerate high osmotic pressure D. All of the above
112	When the leaves fails to produce normal amounts of chlorophyll, the disease is	A. Apoptosis B. Chlorosis C. Chlorination D. Necrosis
113	Match with Lamarckism	A. Inheritance of acquired characteristics B. Long neck of giraffe is evolved gradually as cumulative product of many generations C. Body parts used extensively become stronger and larger D. All A, B and C
114	A women red green color blind marries a red green color blind man, what is the probability of the first born child red green color blind?	A. 100% B. 50% C. 75% D. 25%
115	The non-protein part covalently bonded to enzyme is	A. APO-enzyme B. Coenzymes C. Co-factor D. None
116	Members of family ----- are a source of camphor	A. Cucurbitaceae B. Labiaceae C. Compositeae D. Malvaceae
117	It is a specimen chosen by later worked from original material studied by the author of the species	A. Holotype B. Syntype C. Isotype D. Lecto type
118	In Aerobic respiration, the waste product in plants is produced in the form of	A. Uric acid B. CO ₂ C. Walter

		D. Ammonia E. Both b & c
119	The specimen designated by the author as type specimen is	A. Holotype B. Isotype C. Lectotype D. Syntype
120	A special protein that generates voltage across a membrane is called;	A. Electrochemical protein B. Electromagnetic Protein C. Electrogenic protein D. Proteogenic protein
121	Phanerogamy includes	A. Bryophytes and pteridophytes B. Thalophytes and carmophytes C. Angiosperms and gymnosperms D. Thalophytes and pteridophytes
122	Members of compositeae are	A. Topical B. Sub-tropical C. Temperate D. Cosmopolitan
123	The appendages of anthers form a corona	A. Tanslator B. Cuculli C. Staminal D. Pollinium
124	Seeds of members of family pharmacies are	A. Endospermic B. Exalbuminous C. Both a and b D. None of these
125	Family ----- includes 100 genera and 850 species	A. Compositeae B. Cruciferae C. Labiateae D. Cucurbitaceae
126	The criteria of the classification are the ----- on which the classification is based.	A. Groups B. Divisions C. Characters D. Orders
127	While studying the components of an ecosystem what is the biotic component in all these examples?	A. Gravity B. Topography C. Consumers D. Temperature
128	The phenomenon of interference / hide the effect of one gene present at one locus by the other gene present at other locus is called	A. Epistasis B. Crossing over C. Gene linkage D. Synapsis
129	-----hormone increase tendency of plants to produce a male flower	A. Auxins B. Gibberllins C. Ethylene D. Abcissic acid
130	As a result of the union of anther and pistil this structure is formed	A. Polonium B. Gynoestigium C. Corpusculum D. Translator
131	Botanists were agreed that scientific names should be in	A. English B. Latin C. Greek D. Spanish
132	The present international code of botanical nomenclature consists of ----- rules.	A. Phylogenetic system B. Nomenclature type C. Specific name D. Common names
133	The system of classification that reflects the evolution	A. Modern B. Phylogenetic C. Polygenic D. Natural
134	The group of enzymes that bring about non-hydrolytic addition or removal of substrate are	A. Hydrolase B. Protease C. Heptase D. Dehydrogenase
135	When all the original specimens and their duplicates have been lost or destroyed	A. Lecto type B. Neotype C. Isotype D. Paratype

A. Monocarpic

136	----- are the plants that flower only once and then die	B. Dicarpic C. Apocarpic D. holocarpic
137	Studying a single population's relationship to its environment will be	A. Synecology B. Autecology C. Ecology D. Etealogy
138	If sex chromosomes are more than two in an individual, these are called as	A. Multiple sex chromosomes B. Compound sex chromosomes C. Autosome + sex chromosomes D. Pseudo autosome
139	The criteria of the classification are the ----- on which the classification is based.	A. Groups B. Divisions C. Characters D. Orders
140	Family curcifereae is characterized by the persence of ----- corolla	A. Cross like B. Cushion like C. Zigzag D. None
141	A fungal hyphae having 2 nuclei of different genetic type is called as	A. Karyogamy B. Plasmogamy C. Hetrokaryotic D. Fragmentation
142	Thin layer of earth in which all living organism exist is known as	A. Habitat B. Niche C. Biosphere D. Ecological niche
143	Disc florets have ----- flowers	A. Tubular B. Ligulate C. Round D. None
144	Family labiateae is also called	A. Lamiaceae B. Labiaceae C. Lambitaceae D. None
145	Which true about pattern baldness except	A. It is x-linked disease B. It is sex influenced trait C. It is autosomal recessive trait in females D. It is autosomal dominant trait in male
146	Ray florets have ----- flowers	A. Tubular B. Ligulate C. Round D. None
147	Second largest family of glowering plants	A. Leguminoceae B. Labiaceae C. Cucurbitaceae D. Solanaceae
148	Fruits of labiateae is	A. Pome B. Pappus C. Drupe D. Carcerulus
149	It is a duplicate specimen of holotype collected as same place and time	A. Holotype B. Isotype C. Lectotype D. Syntype
150	Largest family of angiosperm	A. Crucifereae B. Compositeae C. Ranunculaceae D. Cucurbitaceae
151	The collection of stomatal pores guard cells and subsidiary cells is called;	A. <p class="MsoNormal" style="margin-left:.5in;text-indent:-.5in">Stomatal Apparatus<o:p></o:p></p> B. <p class="MsoNormal" style="margin-left:.5in;text-indent:-.5in">Guard cells complex<o:p></o:p></p> C. <p class="MsoNormal" style="margin-left:.5in;text-indent:-.5in">None<o:p></o:p></p> D. </p></p></p>

152	Translator consists of two parts	<p>A. Corpusculum and a pair of arms</p> <p>B. Gynoestigium and polonium</p> <p>C. Androecium and gynoecium</p> <p>D. Gynoestigium and corpusculum</p>
153	1.----- is the process in which plasma membrane starts pulling away from the cell wall;	<p>A. Incipient plasmolysis</p> <p>B. Indirect plasmolysis</p> <p>C. Critical Phasmolysis</p> <p>D. None</p>
154	The characters of constant nature which are used to define a group are	<p>A. Synthetic</p> <p>B. Systematic</p> <p>C. Variations</p> <p>D. Diagnostic</p>
155	Leaves of ----- are used for the treatment of asthma	<p>A. Datura</p> <p>B. Lyeium</p> <p>C. Atropa</p> <p>D. Solanum</p>
156	Mycorrhiza is an association between roots of plants growing in acid soil and certain fungi to which relation it belongs	<p>A. Symbiosis</p> <p>B. Commensalism</p> <p>C. Grazing</p> <p>D. Grazers</p>
157	The anthers are two celled and pollen grains are in the form of tetrads and are found in the sac like sturctures	<p>A. Polonium</p> <p>B. Gynoestigium</p> <p>C. Corpusculum</p> <p>D. Translator</p>
158	When a species is described in one genus and later transferred to another genus, the specific epithet	<p>A. Homonym</p> <p>B. Synonym</p> <p>C. Legitimate</p> <p>D. Illegitimate</p>
159	Natural system of classification is based on characters	<p>A. Reproductive and anatomical</p> <p>B. Morphological and anatomical</p> <p>C. Morphological and reproductive</p> <p>D. Vegetative and reproductive</p>
160	Potentillaanserina is useful in	<p>A. Asthma</p> <p>B. Dissolving kidney stones</p> <p>C. Skin diseases</p> <p>D. Stomach disorders</p>
161	Refers to the place and scope of the publication	<p>A. Effective publication</p> <p>B. Homonym</p> <p>C. Tetention</p> <p>D. Sysnonym</p>
162	He is regarded as the father of modern taxonomy	<p>A. Robert Thorne</p> <p>B. Armen Takhtajan</p> <p>C. Linneous</p> <p>D. Arthur Conquist</p>
163	The other name of glycolysis is	<p>A. Calvin cycle</p> <p>B. EMP pathway</p> <p>C. Light reaction</p> <p>D. None</p>