

DU MSc Botany

Sr.No	Question Id	Question Description	Question Body	Options
1	2345	DU_J19_MSC_BOT_Q01	Channel proteins that are located in the outer membrane of Gram-negative bacteria are known as	9377: barrels , 9378: murins , 9379: porins, 9380: granules ,
2	2346	DU_J19_MSC_BOT_Q02	Gram-negative bacteria are more resistant to antibiotics than Gram-positive bacteria due to the presence of	9381: peptidoglycan wall., 9382: outer lipopolysaccharide , 9383: porin protein., 9384: teichoic acid. ,
3	2347	DU_J19_MSC_BOT_Q03	Dormant, tough, non-reproductive structure, produced by bacteria to tide over unfavourable conditions is known as:	9385: endospore , 9386: sclerotium , 9387: sporocarp , 9388: heterocyst ,
4	2348	DU_J19_MSC_BOT_Q04	Three-dimensional structures of a cell can be studied by using which of the following microscopes?	9389: Bright field , 9390: Phase contrast , 9391: Fluorescent , 9392: Differential interference contrast ,
5	2349	DU_J19_MSC_BOT_Q05	Algae that grow at the interface of water and atmosphere are called as	9393: epipelagic , 9394: neuston , 9395: planktonic , 9396: benthic ,
6	2350	DU_J19_MSC_BOT_Q06	Orthorhombic crystals of calcium carbonate are known as	9397: aragonite., 9398: calcite. , 9399: detritus. , 9400: stromatolites. ,
7	2351	DU_J19_MSC_BOT_Q07	Which one of the following amino acids has a hydroxyl group in its side chain?	9401: Lysine , 9402: Serine , 9403: Alanine , 9404: Glycine ,



		MSC_BOT_Q07	nonpolar, aliphatic R group?	9402: Histidine , 9403: Arginine , 9404: Glycine,
8	2352	DU_J19_MSC_BOT_Q08	Which one of the following is a phospholipid?	9405: Methionine , 9406: Valine , 9407: Proline , 9408: Lecithin ,
9	2353	DU_J19_MSC_BOT_Q09	Majority of the enzymes are inactive	9409: at 25°C , 9410: between 25-30°C , 9411: at 15°C , 9412: above 75°C ,
10	2354	DU_J19_MSC_BOT_Q10	The concept of symbiogenesis was first articulated by	9413: Ivan Wallin , 9414: Lynn Margulis , 9415: Konstantin Mereschk 9416: Lynn Sagan,
11	2444	DU_J19_MSC_BOT_Q100	Which one of the following statements <u>is not</u> true?	9773:The grouping of taxa similarity is called phenetic 9774:Verticillaster is the ch inflorescence of Lamiaceae 9775:Cypselia is characteris Poaceae , 9776:Cremocarp is charact Apiaceae ,
12	2355	DU_J19_MSC_BOT_Q11	The number of nucleosomes associated with one turn of solenoid configuration of chromatin is	9417:2, 9418:4, 9419:6, 9420:8,
13	2356	DU_J19_MSC_BOT_Q12	Dolipore septum is a characteristic of	9421: Basidiomycetes. , 9422: Ascomycetes. , 9423: Zygomycetes. ,



				9424: Chytridiomycetes.,
14	2357	DU_J19_MSC_BOT_Q13	Amphigynous antheridium is found in the genus	9425: <i>Phytophthora</i> . , 9426: <i>Alternaria</i> . , 9427: <i>Fusarium</i> . , 9428: <i>Botrytis</i> . ,
15	2358	DU_J19_MSC_BOT_Q14	The sexual fruiting body in <i>Neurospora</i> is called as	9429: cleistothecium. , 9430: pseudothecium. , 9431: perithecium. , 9432: apothecium. ,
16	2359	DU_J19_MSC_BOT_Q15	A globular or hook-like intracellular structure formed by a biotrophic fungus/oomycete for absorption of nutrients from the host is known as	9433: sclerotium. , 9434: vesicle. , 9435: haustorium. , 9436: sporophore.,
17	2360	DU_J19_MSC_BOT_Q16	Which phylum contains organisms that most closely resemble the common ancestor of fungi and animals?	9437: Zygomycota , 9438: Ascomycota , 9439: Chytridiomycota , 9440: Basidiomycota,
18	2361	DU_J19_MSC_BOT_Q17	The smallest known virus is	9441: <i>Escherichia coli</i> , 9442: Vaccinia virus , 9443: Tobacco mosaic virus 9444: Tobacco necrosis satr
19	2362	DU_J19_MSC_BOT_Q18	Which one of the following contributes to the formation of peatlands?	9445: <i>Riccia</i> , 9446: <i>Porella</i> , 9447: <i>Cooksonia</i> , 9448: <i>Sphagnum</i> ,
20	2363	DU_J19_MSC_BOT_Q19	Which one of the following statements is not correct?	9449: In bryophytes, meiosis occurs in the gametangia to produce haploid eggs , 9450: In <i>Anthoceros</i> , each cell contains a single large chloroplast with



				9451: Amphigastria are four
				9452: In <i>Funaria</i> , the dominant life cycle is gametophytic ,
21	2364	DU_J19_MSC_BOT_Q20	In <i>Pellia</i> , the sporogenous tissue develops from the	9453: epidermis. , 9454: amphithecium. , 9455: endothecium. , 9456: columella. ,
22	2365	DU_J19_MSC_BOT_Q21	Which one of the following <u>is not</u> found in <i>Marchantia</i> ?	9457: Smooth walled as well as tuberculated rhizoids , 9458: Barrel shaped epidermis on the thallus , 9459: Elaters , 9460: Filamentous protonema
23	2366	DU_J19_MSC_BOT_Q22	Transfusion tissue in <i>Cycas</i> functions as	9461: lateral conducting channels for water in the leaves. , 9462: mucilage secreting tissue in the ducts. , 9463: micropyle closing tissue after pollination. , 9464: nutritive tissue for embryo
24	2367	DU_J19_MSC_BOT_Q23	Which type of wood is found in <i>Pinus</i> and <i>Cycas</i> ?	9465: Pycnoxylic in <i>Pinus</i> , and Manoxylic in <i>Cycas</i> , 9466: Manoxylic in <i>Pinus</i> , and Pycnoxylic in <i>Cycas</i> , 9467: Pycnoxylic in both , 9468: Manoxylic in both ,
25	2368	DU_J19_MSC_BOT_Q24	Which of the following statements is NOT correct about <i>Gnetum</i> ?	9469: The secondary wood consists of large vessels. ,





		_Q24		9470:Tapetal layer is comp in the microsporangium. , 9471:The female gametoph before fertilization. , 9472:There are no distinct and some free nuclei of the gametophyte function as e
26	2369	DU_J19_ MSC_BOT _Q25	The microsporangia in the male cone and ovules in female cones of <i>Pinus</i> are positioned on the	9473:adaxial surface and a of the sporophylls, respecti 9474:abaxial surface and a of the sporophylls, respecti 9475:adaxial surface of the 9476:abaxial surface of the
27	2370	DU_J19_ MSC_BOT _Q26	Trichoblasts are	9477: cells in the root epid gives rise to root hair , 9478: epidermal outgrowth may not be glandular, 9479: cells that markedly c other cells in the same tiss 9480: excessively multiplyi root epidermis ,

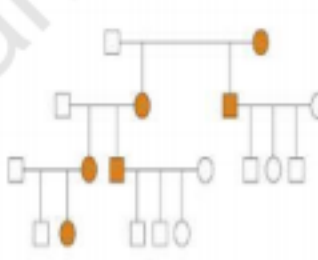


28	2371	DU_J19_MSC_BOT_Q27	Which of the following statement is <u>not true</u> about lenticels?	9481:They are formed by the activity of phellogen in some areas of the periderm , 9482:They permit the entry through the periderm , 9483:They are found in stem roots , 9484:They start appearing in early stages of primary growth
29	2372	DU_J19_MSC_BOT_Q28	Mesogenous stomata refers to stomata	9485:occurring in mesophyll 9486:in which all the subsidiary cells have a common origin with guard cells. 9487:having subsidiary cells indistinguishable from other cells. . 9488:having subsidiary cells aligned parallel to the long guard cells. ,
30	2373	DU_J19_MSC_BOT_Q29	The term 'Glabrous' refers to	9489: lack of trichomes. , 9490: presence of bristly hairs 9491: sparsely hairy., 9492: presence of glandular
31	2374	DU_J19_MSC_BOT_Q30	Volatile substances that attract pollinators are emitted by	9493: osmophores , 9494: hydathodes , 9495: nectaries , 9496: myrosin cells ,

32	2375	DU_J19_MSC_BOT_Q31	Blastozone refers to the	9497: meristematic region rib zone of Shoot Apical Me 9498: intercalary meristem 9499: marginal meristem o leaves , 9500: quiescent centre of R Meristem (RAM) ,
33	2376	DU_J19_MSC_BOT_Q32	Hygroscopic fibers located in the reaction wood are termed as	9501: substitute fibers , 9502: libriform fibers , 9503: gelatinous fibers , 9504: fiber-tracheids,
34	2377	DU_J19_MSC_BOT_Q33	Vestures refer to	9505: resin droplets accum non-conducting vessel elemen 9506: wall ingrowths that i like appearance to pits of tl 9507: Plasmodesmatal con between any wood element 9508: clogged hydathodes
35	2378	DU_J19_MSC_BOT_Q34	Accessory cambia, the activity of which leads to formation of a series of cylinders of secondary vascular tissues are found in	9509: Chenopodiaceae , 9510: Bignoniaceae , 9511: Apocynaceae , 9512: Asclepiadaceae ,
36	2379	DU_J19_MSC_BOT_Q35	Which of the following fruits <u>do not</u> have edible mesocarp?	9513: <i>Carica papaya</i> , 9514: <i>Punica granatum</i> , 9515: <i>Tamarindus indica</i> , 9516: <i>Mangifera indica</i> ,
37	2380	DU_J19_MSC_BOT_Q36	Which one of the following is used as a sweetener?	9517: <i>Gymnema sylvestre</i> 9518: <i>Stevia rebaudiana</i> ,

		_Q36		9519: <i>Syzygium cumini</i> , 9520: <i>Carica papaya</i> ,
38	2381	DU_J19_ MSC_BOT _Q37	Which one of the following is not a constituent of an ayurvedic herbal formulation, "Trifala"?	9521: <i>Terminalia bellerica</i> , 9522: <i>Terminalia arjuna</i> , 9523: <i>Terminalia officinalis</i> , 9524: <i>Emblica officinalis</i> ,
39	2382	DU_J19_ MSC_BOT _Q38	Fruits of which of the following pair of plants possess aril?	9525: <i>Litchi chinensis</i> and <i>Azadirachta indica</i> , 9526: <i>Myristica fragrans</i> and <i>Terminalia arjuna</i> , 9527: <i>Vitis vinifera</i> and <i>Aegle marmelos</i> , 9528: <i>Litchi chinensis</i> and <i>Azadirachta indica</i> ,
40	2383	DU_J19_ MSC_BOT _Q39	Which one of the following is an incorrect combination?	9529: <i>Betula bhojpatra</i> – <i>Terminalia arjuna</i> , 9530: <i>Diospyros melanoxylon</i> – <i>Terminalia arjuna</i> , 9531: <i>Pongamia pinnata</i> – <i>Terminalia arjuna</i> , 9532: <i>Cichorium intybus</i> – <i>Terminalia arjuna</i> ,
41	2384	DU_J19_ MSC_BOT _Q40	Which one of the following sets of compounds is used as biopesticides?	9533: Pyrethrin, Azadirachtin , 9534: Azadirachtin, Taxol, Capsaicin , 9535: Pyrethrin, Jatropha , 9536: Capsaicin, Citronella ,
42	2385	DU_J19_ MSC_BOT _Q41	Aleurone layer is rich in	9537: essential oils. , 9538: proteins. ,

		_Q41		9539:starch grains. , 9540:dietary fibers. ,
43	2386	DU_J19_ MSC_BOT _Q42	Gynobasic style is a characteristic feature of the family	9541:Papilionaceae , 9542:Asteraceae , 9543:Lamiaceae , 9544:Apiaceae ,
44	2387	DU_J19_ MSC_BOT _Q43	In a population of diploid individuals, six alleles exist for a particular gene. What is the expected number of alleles present in a chromosome; and types of alleles in a heterozygous individual and in a homozygous individual respectively?	9545:1; 2, 2 , 9546:2; 2, 1 , 9547:1; 2, 1 , 9548:2; 2, 1 ,
45	2388	DU_J19_ MSC_BOT _Q44	Which one of the following statements is false for a population that is under natural selection?	9549:The population will not be in Hardy-Weinberg equilibrium 9550:The genotypic frequency cannot be estimated if the allele frequency is not known. , 9551:At a given point of time, for a given bi-allelic gene, the sum of the allele frequencies would be 1 , 9552:At a given point of time, the sum of total of all genotypic frequencies would be to 1. ,
46	2389	DU_J19_ MSC_BOT _Q45	In the fine mapping of <i>rII</i> locus, Benzer was able to demonstrate intragenic recombination in phages mainly because	9553:intragenic recombination occurs only in phages. , 9554:of the large number of progeny that could be screened 9555:making crosses in phages ,

				9556:phages have haploid
47	2390	DU_J19_MSC_BOT_Q46	In <i>Lymnaea peregra</i> , coiling behaviour is controlled by a single gene. Dextral coiling behaviour is governed by dominant allele 'D' and sinistral coiling by recessive allele 'd'. When a cross is made using sinistral as female and dextral as male, all the snails are sinistral in F ₁ and dextral in F ₂ . Again in F ₃ a ratio of 3 dextral and 1	9557:Mendelian inheritance 9558:Cytoplasmic maternal 9559:Cytoplasmic maternal 9560:Epistasis ,
48	2391	DU_J19_MSC_BOT_Q47	Study the following pedigree. What can be the possible inheritance pattern? 	9561:X-linked inheritance , 9562:Y-linked inheritance , 9563:Mitochondrial inheritance 9564:Autosomal inheritance
49	2392	DU_J19_MSC_BOT_Q48	Which of the following is not true about the classic experiment carried out to study the nature of mutations by the 1969 Nobel prize-winning team of Max Luria and Salvador Delbruck?	9565:It is also called as Fluctuation test 9566:It demonstrated that mutations arise in the absence of selection, and not as a response to selection. , 9567:They inoculated equal numbers of <i>E. coli</i> into separate cultures with and without T1 phage. 9568:Equal number of T1 phage resistant colonies were obtained on the plates. ,

50	2393	DU_J19_MSC_BOT_Q49	A plant heterozygous for two tightly linked genes A and B, has the genotype AB/ab. Which of the following statements is <u>true</u> when the plant is self-pollinated?	9569: The percentage of all types of gametes (AB, ab,) be equal. , 9570: Gametes with genotype will be less than those with 9571: Both loci will segregate ratio. , 9572: The segregation ratio genes will depend upon the between them. ,
51	2394	DU_J19_MSC_BOT_Q50	Mark the correct pairing of scientists and their contributions I Nirenberg and Matthei 1 Telomerase II Sidney Altman and Thomas Cech 2 DNA Polymerase I III Arthur Kornberg 3 Ribozyme IV Elizabeth	9573: I-2; II-1; III-4; IV-3 9574: I-4; II-3; III-1; IV-2 9575: I-4; II-3; III-2; IV-1 9576: I-3; II-4; III-2; IV-1
52	2395	DU_J19_MSC_BOT_Q51	The factor responsible for mediating binding of core RNA polymerase to promoter is	9577: α -70 , 9578: σ -70 , 9579: Γ -55 , 9580: δ -70 ,
53	2396	DU_J19_MSC_BOT_Q52	Which of the following enzyme is involved in tRNA synthesis?	9581: RNA Polymerase I , 9582: RNA polymerase II , 9583: RNA Polymerase III 9584: RNA polymerase IV
54	2397	DU_J19_MSC_BOT_Q53	The study of man-made areas with complex, dynamic ecological systems, influenced by interconnected biological, physical and social components is called as	9585: System Ecology. , 9586: Ecosystem Ecology. 9587: Urban Ecology., 9588: Social Ecology. ,
55	2398	DU_J19_MSC_BOT_Q54	Which of the following horizons in the soil profile has high amount of organic matter?	9589: O , 9590: A , 9591: B , 9592: C ,

56	2399	DU_J19_MSC_BOT_Q55	Hyperthermophiles are heat loving microbes that can live in temperature optima above	9593:80 °C , 9594:50 °C , 9595:60 °C , 9596:40 °C ,
57	2400	DU_J19_MSC_BOT_Q56	A distribution in which individuals within a population have an equal chance of living anywhere within an area is called as	9597:Random. , 9598:Regular. , 9599:Clumped. , 9600:Contiguous. ,
58	2401	DU_J19_MSC_BOT_Q57	Which of the following chemical substances are secreted by some animals for communication with other members of their species?	9601:Alkaloids , 9602:Phenols , 9603:Terpenoids , 9604:Pheromones ,
59	2402	DU_J19_MSC_BOT_Q58	The probability of death of organisms with different ages in the current year is shown in	9605:Survivorship curve , 9606:Static life table , 9607:Cohort life table , 9608:Natality ,
60	2403	DU_J19_MSC_BOT_Q59	The Shannon-Weiner index measures:	9609: Dominance , 9610: General diversity , 9611: Evenness , 9612: Similarity-dissimilarity ,
61	2404	DU_J19_MSC_BOT_Q60	Which of the following statements on filiform apparatus is not correct ?	9613:It is a highly convoluted structure of the micropylar portion of the egg wall. , 9614:It increases the surface area of the plasma membrane of synergous cells. , 9615:It controls pollen tube growth. , 9616:It determines the position of the egg apparatus. ,

62	2405	DU_J19_MSC_BOT_Q61	Hypostase refers to	9617:a cap-like structure of cells above the embryo sac 9618:a group of cells below the embryo sac and above the funiculus 9619:nucellar cells above the embryo sac. , 9620:parietal cells. ,
63	2406	DU_J19_MSC_BOT_Q62	The members of which of the following angiosperm families do not form endosperm?	9621:Poaceae , 9622:Podostemaceae , 9623:Brassicaceae , 9624:Papilionaceae ,
64	2407	DU_J19_MSC_BOT_Q63	Which of the following parts is not observed in a mature seed-coat?	9625:Epidermis , 9626:Aerenchyma , 9627:Hypodermis , 9628:Aril ,
65	2408	DU_J19_MSC_BOT_Q64	Which one of the following statements is not true for aposporous embryo sac development?	9629:The first and second meiotic divisions result in a tetrad of four megaspores. , 9630:Three megaspores degenerate while functional haploid megaspore undergoes megagametogenesis. 9631:All the four megaspores degenerate while an aposporous megaspore forms the embryo sac. , 9632:Tetrad is surrounded by a thick wall. ,
66	2409	DU_J19_MSC_BOT_Q65	Polysporangiate anthers are seen in the family	9633:Amborellaceae. , 9634:Anacardiaceae. , 9635:Annonaceae. , 9636:Agavaceae. ,

67	2410	DU_J19_MSC_BOT_Q66	In a pollen wall, the following enzymes serve as markers for intine and exine, respectively.	9637:Acid phosphatases and 9638:Pectinases and catalase 9639:Lipases and cutinases 9640:Kinases and β -1,3 glucanase
68	2411	DU_J19_MSC_BOT_Q67	Buzz pollination is associated with flowers, wherein the anthers exhibit	9641:longitudinal dehiscence 9642:valvular dehiscence. 9643:poricidal dehiscence. 9644:explosive dehiscence
69	2412	DU_J19_MSC_BOT_Q68	Fluorochromatic reaction test to ascertain pollen viability was developed by	9645:P. Maheshwari. , 9646:E. Strasburger. , 9647:J. Heslop-Harrison. , 9648:S.G. Nawaschin. ,
70	2413	DU_J19_MSC_BOT_Q69	Which of the following statements is not correct about aquaporins?	9649:Aquaporins are found in plant and animal cell membranes 9650:Phosphorylation and membrane concentration regulates aquaporin activity. , 9651:Activity of aquaporin is regulated by pH and reactive oxygen species 9652:Aquaporins cannot transport charged molecules like Na^+ and K^+
71	2414	DU_J19_MSC_BOT_Q70	The water potential of pure water at atmospheric pressure is	9653:-2.3 bar. , 9654:+2.3 bar. , 9655:0 bar. , 9656:1 bar. ,



72	2415	DU_J19_MSC_BOT_Q71	In root nodules of legumes, leg-haemoglobin is important because it	9657:transports oxygen to nodule. , 9658:acts as an oxygen sc 9659:provides energy to th fixing bacterium. , 9660:acts as a catalyst in transamination. ,
73	2416	DU_J19_MSC_BOT_Q72	Pfr shows maximum absorption at	9661:730 nm. , 9662:660 nm. , 9663:466 nm. , 9664:650 nm. ,
74	2417	DU_J19_MSC_BOT_Q73	In non-graminaceous plant roots, iron is transported across the plasma membrane as	9665:Both ferrous and ferr 9666:Fe-Chelate , 9667:Ferrous ions , 9668:Ferric ions ,
75	2418	DU_J19_MSC_BOT_Q74	Methionine is the precursor of which of the following plant growth regulators?	9669:Absciscic acid , 9670:Indole acetic acid , 9671:Cytokinins , 9672:Ethylene ,
76	2419	DU_J19_MSC_BOT_Q75	PEP carboxylase activity in C4 and CAM plants is regulated by	9673:phosphorylation-deph , 9674:oxidation-reduction , 9675:carboxylation-decarb 9676:isomerization ,
77	2420	DU_J19_MSC_BOT_Q76	One molecule of Calmodulin, a calcium binding protein in eukaryotic cells binds to_____ Ca ²⁺ ions.	9677:4 , 9678:2 , 9679:8 , 9680:14 ,
78	2421	DU_J19_MSC_BOT_Q77	Anabolic component of the carbohydrate metabolism includes which one of the following processes?	9681:Glycogenolysis , 9682:Citric Acid Cycle , 9683:Glyconeogenesis ,



79	2422	DU_J19_MSC_BOT_Q78	High activity of sucrose synthase is present in	9684:Uronic Acid Pathways 9685:tissues that synthesize sucrose 9686:tissues that utilize sucrose 9687:photosynthetic leaves 9688:sucrose exporting tissues
80	2423	DU_J19_MSC_BOT_Q79	Which one of the following is considered to be a signal metabolite that regulates the partitioning between sucrose and starch synthesis?	9689:Fructose-2, 6-bisphosphate 9690:Fructose-1, 6-bisphosphate 9691:Fructose 6-phosphate 9692:Fructose 2-phosphate
81	2424	DU_J19_MSC_BOT_Q80	Two different DNA molecules were isolated from a bacterial sample. Further experiments demonstrated that one of these (X) was composed of 40%A, 40%G, 10%T and 10%C but could not be cut by an exonuclease. The second DNA sample (Y) could be cut by the exonuclease and was found to be composed of 30%A, 30%T, 20%G and 20%C. Which one of the following statements can be correctly deduced from the above?	9693:DNA X has a double-stranded linear structure , 9694:DNA Y has a double-stranded circular structure , 9695:DNA X has a single-stranded linear structure , 9696:DNA X has a single-stranded circular structure ,
82	2425	DU_J19_MSC_BOT_Q81	The 5' – 3' nucleotide sequence of one of the strands of a double stranded DNA molecule is given below: 5' – ATGACGATGGACACATGACATAGACGATAATGCCGTGAC – 3' In the absence of T _m effects, which one of the following sets of primers could, theoretically, be used to amplify the target sequence by PCR?	9697: 5' – ATGACGA – 3' and 5' – GTCACGG – 3' , 9698: 5' – TACTGCT – 3' and 5' – GGCACCTG – 3' , 9699: 5' – TCGTCAT – 3' and 5' – CCGTGAC – 3' ,



				9700: 5' – ATGACGA – 3' and CCGTGAC – 3'.
83	2426	DU_J19_MSC_BOT_Q82	In plant tissue culture, a high cytokinin : auxin ratio promotes the formation of	9701:roots. , 9702:callus. , 9703:embryos. , 9704:shoots. ,
84	2427	DU_J19_MSC_BOT_Q83	Which one of the following genes does not confer resistance to a herbicide?	9705:EPSPS , 9706:pat , 9707:ALS , 9708:nptII ,
85	2428	DU_J19_MSC_BOT_Q84	Which one of the following statements about cDNA libraries is not correct?	9709:They are generally composed of larger fragments as compared to genomic DNA libraries , 9710:They can be used to identify alternatively spliced forms 9711:They can be used to identify quantitative variations in gene expressions levels between different tissues . 9712:They can be used to identify variations in gene expression between different developmental stages of a plant ,
86	2429	DU_J19_MSC_BOT_Q85	Which one of the following crops was the first to have its nuclear genome sequenced?	9713:Maize , 9714:Wheat , 9715:Rice , 9716:Barley ,
87	2430	DU_J19_MSC_BOT_Q86	The term "Bio-pharming" refers to	9717:genetically modified plants. ,



		_Q86		9718:synthesis of drugs from plants/animals. , 9719:recombinant drugs from plants/animals. , 9720:large scale farming of plants. ,
88	2431	DU_J19_MSC_BOT_Q87	Which of the following is the regulatory body conferring approval for transgenic plants?	9721:NBPGR , 9722:NBA , 9723:GEAC , 9724:NBRI ,
89	2432	DU_J19_MSC_BOT_Q88	Identify the incorrect combination from the following:	9725:Protoplast – E.C. Cockfield , 9726:Edible vaccine – C.J. Barrett , 9727:Somaclonal variation – R.G. Steward , 9728:GUS reporter system – R. Jefferson ,
90	2433	DU_J19_MSC_BOT_Q89	Similarity resulting from common ancestry is called	9729:homoplasy , 9730:homology , 9731:homonym , 9732:convergence ,
91	2434	DU_J19_MSC_BOT_Q90	Which one of the following is the most primitive basal angiosperm?	9733: <i>Amborella</i> , 9734: <i>Nymphaea</i> , 9735: <i>Magnolia</i> , 9736: <i>Hibiscus</i> ,
92	2435	DU_J19_MSC_BOT_Q91	In species where pollen matures and is released prior to the maturation and receptivity of the gynoecium, the condition is called	9737:protogyny , 9738:protoandry , 9739:dichogamy , 9740:androdioecy ,
93	2436	DU_J19_MSC_BOT_Q92	Which one of the following statements is not correct?	9741:All taxonomic keys are dichotomous. ,



		_Q92		9742:All keys comprise several contrasting statements, each is known as a lead. , 9743:In a taxonomic key, two together comprise a couplet 9744:Keys are based on phenetic
94	2437	DU_J19_MSC_BOT_Q93	Glucosinolates do not occur in	9745:Brassicaceae , 9746:Papaveraceae , 9747:Capparaceae , 9748:Fabaceae ,
95	2438	DU_J19_MSC_BOT_Q94	A pollen grain with colpi occurring in the equatorial region is called	9749:zonocolpate , 9750:zonoporate , 9751:zonoaperturate , 9752:colporate ,
96	2439	DU_J19_MSC_BOT_Q95	A binomial in which the genus name and specific epithet are identical in spelling is called	9753:Autonym , 9754:Tautonym , 9755:Synonym , 9756:Basionym ,
97	2440	DU_J19_MSC_BOT_Q96	Which one of the following is not a member of Poaceae?	9757: <i>Hordeum vulgare</i> , 9758: <i>Triticum aestivum</i> , 9759: <i>Cynodon dactylon</i> , 9760: <i>Secale cereale</i> ,
98	2441	DU_J19_MSC_BOT_Q97	Lloyd Botanical Garden is located at	9761:Darjeeling , 9762:Ootacamund , 9763:Srinagar (Kashmir) , 9764:Dehra Dun ,
99	2442	DU_J19_MSC_BOT_Q98	Which series is not included in the Gamopetalae in Bentham and Hooker's system of classification?	9765:Inferae , 9766:Heteromerae , 9767:Bicarpoellatae , 9768:Thalamiflorae ,
100	2443	DU_J19_MSC_BOT_Q99	Syngenesious stamens are characteristic of the	9769:Ranunculaceae ,



		MSC_BOT _Q99	family	9770:Malvaceae , 9771:Asteraceae , 9772:Brassicaceae ,
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