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DU MSc PhD Comb degree in Bio Sci N MSc in Bio Sci

Sr.No	Question Id	Question Description	Question Body	Options
1	1015	DU_J19_MSC_BIOSCI_Q01	The best nucleophile among the following is	4057:I-, 4058:Br-, 4059:Cl-, 4060:OH-
2	1016	DU_J19_MSC_BIOSCI_Q02	The symmetry element present in a molecule of chloroform is	4061:C2, 4062:C3, 4063:C4, 4064:C6,
3	1017	DU_J19_MSC_BIOSCI_Q03	The symmetry element present in a molecule of benzene is	4065:C3, 4066:C4, 4067:C5, 4068:C6,
4	1018	DU_J19_MSC_BIOSCI_Q04	Which of the following atoms is essential for E1cB reaction to take place	4069:Fluo 4070:Bror 4071:Sulf 4072:sele
5	1019	DU_J19_MSC_BIOSCI_Q05	Which metal ion is present in the active site of alcohol dehydrogenase	4073:Ca2 4074:Zn2 4075:Mg2 4076:Cd2
6	1020	DU_J19_MSC_BIOSCI_Q06	The most basic ion among the following is	4077:Etho 4078:Hyd 4079:Acet 4080:Nitra
7	1021	DU_J19_MSC_BIOSCI_Q07	The metal salt present in Ziegler natta catalyst is	4081:TiCl 4082:NiCl 4083:SnC 4084:AlCl
8	1022	DU_J19_MSC_BIOSCI_Q08	The sequence of the bacteriophage ØX174 was delineated by	4085:Jam 4086:Fran 4087:Fred

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				4088:Jam Francis Cr
9	1023	DU_J19_MSC_BIOSCI_Q09	The redox potential of molecular oxygen is	4089:Posi 4090:Neg 4091:zero 4092:Frac
10	1024	DU_J19_MSC_BIOSCI_Q10	The total number of codons in human beings is	4093:63, 4094:64, 4095:65, 4096:66,
11	1114	DU_J19_MSC_BIOSCI_Q100	Which of the following buffers can be sterilized in an autoclave at 15ILBs pressure	4453:Phos with 10% 4454:Phos with 10% 4455:Phos Saline wit 4456:Phos Saline wit 10% gluc
12	1025	DU_J19_MSC_BIOSCI_Q11	The molecule discovered by Alexander Fleming in 1928 was	4097:Ben 4098:Ben 4099:Peni 4100:Aspi
13	1026	DU_J19_MSC_BIOSCI_Q12	The geometry of $[PtCl_4]^{2-}$ complex is	4101:tetra 4102:squa 4103:octa 4104:squa
14	1027	DU_J19_MSC_BIOSCI_Q13	Porphyrins contain which of the following heterocyclic rings	4105:Pyrr 4106:Thio 4107:Fura 4108:Diox
15	1028	DU_J19_MSC_BIOSCI_Q14	Which of the following metal ions can intercalate into graphite	4109:Sc, 4110:Ti, 4111:V, 4112:K,

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16	1029	DU_J19_MSC_BIOSCI_Q15	What are the three atoms present in borazine	4113:B, N 4114:B, N 4115:N, C 4116:B, C
17	1030	DU_J19_MSC_BIOSCI_Q16	Rhombic sulphur consists of	4117:S6 r 4118:S7 r 4119:S8 r 4120:S10
18	1031	DU_J19_MSC_BIOSCI_Q17	Wilkinson's catalyst contains the transition metal	4121:Cr, 4122:Mn, 4123:Fe, 4124:Rh,
19	1032	DU_J19_MSC_BIOSCI_Q18	1,3-butadiene contains x number of pi electrons where x is	4125:2, 4126:4, 4127:6, 4128:8,
20	1033	DU_J19_MSC_BIOSCI_Q19	Methyl orange is used as	4129:a Le 4130:a Le 4131:an a 4132:as a
21	1034	DU_J19_MSC_BIOSCI_Q20	Valeric acid the following number of carbon atoms	4133:4, 4134:5, 4135:6, 4136:7,
22	1035	DU_J19_MSC_BIOSCI_Q21	The formation of isobutylene from tert-butyl bromide is an example of	4137:nucl reaction, 4138:addi 4139:redu 4140:elim
23	1036	DU_J19_MSC_BIOSCI_Q22	The reaction of benzoyl chloride with ammonia yields	4141:Ben 4142:Anili 4143:Ben 4144:Ben

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24	1037	DU_J19_MSC_BIOSCI_Q23	The reaction of pyrrole with chloroform and KOH yields	4145:2-Ph 4146:2-Hy 4147:2-Py 4148:Non
25	1038	DU_J19_MSC_BIOSCI_Q24	2-Picoline is also known as	4149:2-M 4150:2-Hy 4151:2-ca 4152:Non
26	1039	DU_J19_MSC_BIOSCI_Q25	Sodio-ethylacetoacetate reacts with alkyl chloride to yield	4153:mon ethylaceto 4154:alky 4155:acet 4156:2 m
27	1040	DU_J19_MSC_BIOSCI_Q26	$LiAlH_4$ reacts with carboxylic acids to yield	4157:este 4158:Alka 4159:Alco 4160:Alke
28	1041	DU_J19_MSC_BIOSCI_Q27	Trans-2-butene has a dipole moment of	4161:0, 4162:0.5, 4163:1, 4164:1.5,
29	1042	DU_J19_MSC_BIOSCI_Q28	Cumene is used to manufacture	4165:Ben 4166:Tolu 4167:Phe 4168:1,2-
30	1043	DU_J19_MSC_BIOSCI_Q29	-C=O shows a lambda max in the UV region in the range of	4169:100 4170:150 4171:270 4172:400
31	1044	DU_J19_MSC_BIOSCI_Q30	Aniline reacts with aqueous bromine to yield	4173:Bro 4174:Ben 4175:2,4,

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				4176:Phen
32	1045	DU_J19_MSC_BIOSCI_Q31	The antibiotic nonactin contains the following heterocyclic ring	4177:Thio 4178:Fura 4179:Pyrr 4180:Imid
33	1046	DU_J19_MSC_BIOSCI_Q32	The reaction of phenyl magnesium bromide with ethylene oxide yields	4181:2-ph 4182:Phen 4183:2 m acid, 4184:Phen
34	1047	DU_J19_MSC_BIOSCI_Q33	Binap usually forms complexes with	4185:Na & 4186:Ca & 4187:Sn & 4188:Ru &
35	1048	DU_J19_MSC_BIOSCI_Q34	Griesofulvin is an effective	4189:Anal 4190:Anti 4191:Anti 4192:Anti
36	1049	DU_J19_MSC_BIOSCI_Q35	Which of the following is not a G-protein coupled receptor?	4193:Glyc 4194:Adre 4195:Glut 4196:Mus
37	1050	DU_J19_MSC_BIOSCI_Q36	Protein kinase A is	4197:Com cyclic AMP 4198:Allos cyclic AMP 4199:Affe only under circumstan 4200:Activ
38	1051	DU_J19_MSC_BIOSCI_Q37	Site directed mutagenesis facilitated research on	4201:Carb 4202:Prot 4203:Lipid

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				4204:Fats
39	1052	DU_J19_MSC_BIOSCI_Q38	Repressors in prokaryotes bind to	4205:Pron 4206:Enh 4207:Ope 4208:Hom element,
40	1053	DU_J19_MSC_BIOSCI_Q39	Actinomycin D is an inhibitor of	4209:Tran 4210:Tran 4211:Repl 4212:Non
41	1054	DU_J19_MSC_BIOSCI_Q40	Role of sigma factor in bacterial RNA polymerase is	4213:Cata 4214:Posi polymeras DNA temp 4215:Term synthesis, 4216:Unw
42	1055	DU_J19_MSC_BIOSCI_Q41	RNA primer is removed from the Okazaki fragment by	4217:DNA 4218:DNA 4219:DNA 4220:RNA
43	1056	DU_J19_MSC_BIOSCI_Q42	Ubiquitin is a	4221:Prot 4222:Prot 4223:Com electron t 4224:Prot protein fo
44	1057	DU_J19_MSC_BIOSCI_Q43	In which phase of cell cycle is DNA replicated?	4225:G_1 p 4226:S ph 4227:G_2 p 4228:M ph
45	1058	DU_J19_MSC_B	Which of the following bacterial operon is not controlled by	4229:Arab

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		IOSCI_Q44	attenuation?	4230:Tryp 4231:Leuc 4232:Hist
46	1059	DU_J19_MSC_BIOSCI_Q45	Which of the following serves as bactericidal agent?	4233:Ribo 4234:Lyso 4235:Cyto 4236:Myo
47	1060	DU_J19_MSC_BIOSCI_Q46	The β subunit of polymerase has a function of _____	4237:Pron 4238:Cata 4239:Tem 4240:Cati
48	1061	DU_J19_MSC_BIOSCI_Q47	Arrange the running pattern of plasmid in agrose gel in presence of electric field	4241:Supe lag behind 4242:Supe move fast 4243:Supe move fast 4244:Supe not move
49	1062	DU_J19_MSC_BIOSCI_Q48	Cancer is caused by	4245:unco 4246:unco 4247:rupt 4248:loss cells.
50	1063	DU_J19_MSC_BIOSCI_Q49	Migration of cancerous cells from the site of origin to other parts of the body forming secondary tumor is called	4249:diap 4250:met 4251:proli 4252:mito
51	1064	DU_J19_MSC_BIOSCI_Q50	Which one of the following therapies will involve only the cancerous cells not the normal cells in treatment	4253:imm 4254:surg 4255:aron 4256:chen

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52	1065	DU_J19_MSC_BIOSCI_Q51	Which one of the following cancers does not form a solid neoplasm	4257:leuk 4258:lymp 4259:lipor 4260:sarc
53	1066	DU_J19_MSC_BIOSCI_Q52	Incubating EGF ligand in cultured cell promotes	4261:cellu activation 4262:EGF leading to 4263:Inhi to prolifer 4264:Deg ligands .
54	1067	DU_J19_MSC_BIOSCI_Q53	Replicative senescence is due to	4265:stab telomeras 4266:degr telomeras 4267:Telo 4268:Telo telomeras
55	1068	DU_J19_MSC_BIOSCI_Q54	RAS protein activation leads to	4269:Activ suppresso 4270:Activ 4271:Inac kinase pat 4272:Inac antiapopto
56	1069	DU_J19_MSC_BIOSCI_Q55	Retinoblastoma protein phosphorylation leads to	4273:cell 4274:G1 a 4275:G1 t 4276:bind

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57	1070	DU_J19_MSC_BIOSCI_Q56	The reason why there is a sudden shift in the electrical potential of the neuron (from about -70mv to about +50mv) during an action potential is largely due to the sudden influx of _____ ions.	4277:Pota 4278:Sodi 4279:Calc 4280:Chlo
58	1071	DU_J19_MSC_BIOSCI_Q57	The action potential is first formed in the	4281:Cell 4282:Axo 4283:Den 4284:first on the axo
59	1072	DU_J19_MSC_BIOSCI_Q58	The term _____ refers to the constant state of contraction of a certain number of fibers within a muscle.	4285:Sum 4286:Hyp 4287:Atro 4288:Ton
60	1073	DU_J19_MSC_BIOSCI_Q59	Which of the following is most likely to cause the heart to go into spastic contraction?	4289:Incr temperatu 4290:Dec fluid potas 4291:Exce potassium 4292:Exce calcium io
61	1074	DU_J19_MSC_BIOSCI_Q60	The term "brain of gut" refrers to :	4293:Ente 4294:Cells 4295:Auto system, 4296:Migr
62	1075	DU_J19_MSC_BIOSCI_Q61	Final common pathway for oxidation of carbohydrates, lipids and proteins is	4297:Glyc 4298:Pent pathway, 4299:Kreb

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				4300:Elec
63	1076	DU_J19_MSC_BIOSCI_Q62	Which micronutrient prevents neural tube defects in the developing Fetus	4301:Thia 4302:Pyri 4303:Fola 4304:Niac
64	1077	DU_J19_MSC_BIOSCI_Q63	Which part of cell acts as a Capacitor?	4305:Lipi membran 4306:Prot membran 4307:Nuc 4308:Gol
65	1078	DU_J19_MSC_BIOSCI_Q64	The chief fuel for energy production in human brain during starvation is:	4309:Cho 4310:Fatt 4311:Ket 4312:Ami
66	1079	DU_J19_MSC_BIOSCI_Q65	The final acceptor of electrons during oxidative phosphorylation is:	4313:H_2O 4314:O_2, 4315:CO_2 4316:NAD
67	1080	DU_J19_MSC_BIOSCI_Q66	The dilution plate count	4317:Can the log ph curve sinc 4318:Yiel those pha curve in w dividing. 4319:Use produce p viability. 4320:all o
68	1081	DU_J19_MSC_BIOSCI_Q67	Antonie Philips van Leeuwenhoek	4321:cred microorga

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				4322:Rec animalcule like seeds 4323:disc attenuatio which he teeth. 4324:All o
69	1082	DU_J19_MSC_BIOSCI_Q68	Gram positive bacteria responsible for food poisoning is/are	4325:Myc 4326:Pseu 4327:Clos 4328:All o
70	1083	DU_J19_MSC_BIOSCI_Q69	Which of the following is best used for long term storage of microbial samples	4329:Stor 10deqC , 4330:lyop 4331:stor in an agar 4332:stor room tem
71	1084	DU_J19_MSC_BIOSCI_Q70	Gram staining was introduced by	4333:Chri 4334:Alfre 4335:Rob 4336:Loui
72	1085	DU_J19_MSC_BIOSCI_Q71	Which of the following is not a gram negative bacteria	4337:Clos 4338:Vibr 4339:Esch 4340:Bord
73	1086	DU_J19_MSC_BIOSCI_Q72	The method of successful treatment of botulism prior to appearance of botulism symptom involve administration of	4341:Anti 4342:Anal 4343:Anti 4344:Anti
74	1087	DU_J19_MSC_BIOSCI_Q73	Large parasite such as helminthes may be killed extracellularly by the action of	4345:Bas 4346:Mon

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				4347:Eosi 4348:Neu
75	1088	DU_J19_MSC_BIOSCI_Q74	Coir of commerce is	4349:a fib coconut e 4350:a fib coconut st 4351:a fib coconut m 4352:a fib coconut e
76	1089	DU_J19_MSC_BIOSCI_Q75	The meaning of the word callous is	4353:Brav 4354:hear 4355:rude 4356:Non
77	1090	DU_J19_MSC_BIOSCI_Q76	The meaning of the word ephemeral is	4357:Gos 4358:Tran 4359:Tran 4360:Opa
78	1091	DU_J19_MSC_BIOSCI_Q77	The meaning of the word cumbersome is	4361:Burd 4362:Ligh 4363:Clea 4364:Sorr
79	1092	DU_J19_MSC_BIOSCI_Q78	The meaning of the word renegade is	4365:Brav 4366:Cow 4367:Trai 4368:Sold
80	1093	DU_J19_MSC_BIOSCI_Q79	The meaning of the word dither is	4369:Vaci 4370:Stat 4371:Fore 4372:Stre
81	1094	DU_J19_MSC_BIOSCI_Q80	The word opposite in meaning to the word zeal is	4373:letha 4374:enth 4375:cour 4376:ill,
82	1095	DU_J19_MSC_B	The word opposite in meaning to the word stoic is	4377:emo

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		IOSCI_Q81		4378:stoli 4379:unpl 4380:quar
83	1096	DU_J19_MSC_B IOSCI_Q82	Factors of 42 are	4381:1,12 4382:1,9, 4383:1,6, 4384:1,4,
84	1097	DU_J19_MSC_B IOSCI_Q83	The sum of the coefficients in the monomials $3a^2b$ and $-2ab^2$ is	4385:5, 4386:-1, 4387:1, 4388:-6,
85	1098	DU_J19_MSC_B IOSCI_Q84	What should be added to $3x^2+4$ to get $9x^2-7$	4389:6x2- 4390:6x2+ 4391:12x 4392:12x
86	1099	DU_J19_MSC_B IOSCI_Q85	$15x=21$; $x=?$	4393: 7/5 4394: 5/7 4395: 3/7 4396: 7/3
87	1100	DU_J19_MSC_B IOSCI_Q86	$(x/2)-1= (x/3)+4$; $x=?$	4397:15, 4398:30, 4399:45, 4400:60,
88	1101	DU_J19_MSC_B IOSCI_Q87	The genetic material of Tobacco Mosaic Virus is a	4401:dsDI 4402:ssRN 4403:ds R 4404:ss D
89	1102	DU_J19_MSC_B IOSCI_Q88	The fruiting bodies in *Agaricus* and *Morchella* are	4405:Asco 4406:Basi Ascocarps 4407:Basi 4408:Asco Basidiocar

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90	1103	DU_J19_MSC_BIOSCI_Q89	Which of the following macroscopic disease symptoms is NOT typical of virus infections in plants?	4409:Stur in interno 4410:Mos vein cleari 4411:Epin developm 4412:Pust blotches o
91	1104	DU_J19_MSC_BIOSCI_Q90	In bryophytes, meiosis occurs in the	4413:gam gametanq 4414:spor protonema 4415:gam sperm and 4416:spor produce s
92	1105	DU_J19_MSC_BIOSCI_Q91	In Gymnosperms, the female gametophyte develops from the	4417:Hap 4418:Dipl 4419:Nuc 4420:Hap mother ce
93	1106	DU_J19_MSC_BIOSCI_Q92	"Kewda oil" is obtained from which one of the following plant species?	4421:*Pand* 4422:*Lava* 4423:*Rosa* 4424:*Narc*
94	1107	DU_J19_MSC_BIOSCI_Q93	Recombinant frequency of 1% is equivalent to	4425:10 m 4426:20 m 4427:1 m 4428:5 m
95	1108	DU_J19_MSC_B	ALU elements are	4429:Tran

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		IOSCI_Q94		4430:Jum 4431:SINI 4432:LINE
96	1109	DU_J19_MSC_BIOSCI_Q95	Multiple alleles of a gene control inheritance of	4433:skin 4434:colo 4435:sickl 4436:bloo
97	1110	DU_J19_MSC_BIOSCI_Q96	Bacterial flagella imparts motility to the cell by	4437:undu 4438:rota 4439:glidi 4440:both movemen movemen
98	1111	DU_J19_MSC_BIOSCI_Q97	Viral replication within the cells is inhibited by	4441:IL-4 4442:IL-1 4443:IFN 4444:TNF
99	1112	DU_J19_MSC_BIOSCI_Q98	Which of the following toxicity can occur due to single exposure?	4445:Acut 4446:Sub 4447:Sub 4448:Chro
100	1113	DU_J19_MSC_BIOSCI_Q99	Which of the following statement is incorrect	4449:In ic chromatog protein is solution.. 4450:In a chromatog used to pu 4451:The filtration c based on charge of 4452:All o

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