

SET - S3 - Chemistry

Question Number from SET S3	Question (Initial Text)	Correct Option Number from SET S3
1	For the second period elements...	2
2	The method used to remove temporary hardness	2
3	Which of the following is an amphoteric	4
4	Among the following the narrow spectrum antibiotic is	1
5	Which mixture of the solution led to the formation of...	2
6	Conjugate base for bronsted acids...	3
7	The number of sigma and pi bonds...	1
8	The correct structure of tribromoocta oxide	1
9	PH of saturated solution of	1
10	The correct order of the basic strength of methyl..	1
11	For a cell involving one electron...	3
12	Not a green house gas...	4
13	The mixture that forms maximum boiling	1
14	Malachite..	4
15	Match the following ... Pure nitrogen	4
16	Correct thermal stability order	3
17	Identify the incorrect statement regarding the PCL5	4
18	The major product of following reaction	2
19	Compound most difficult to protonate	4
20	The manganate and permanganate ions	1
21	Most suitable reagent for following conversion	2
22	Structure of Intermediate A in the following reaction	2
23	If the rate constant of first order reaction	3
24	Which of the following is disproportionation reaction..	1
25	In which case change in entropy is negative...	4
26	The biodegradable polymer...	2
27	A gas at 350 K and 15 bar...	3
28	A compound is formed by Cation C and Anion A...	3
29	Enzymes that utilize ATP...	2

30	4d, 5p, 5f and 6p orbitals are arranged...	1
31	For the cell reaction... the standard gibbs energy of the cell..	2
32	For an ideal solution, the correct option is..	3
33	The non essential amino acids among the following...	3
34	What is the correct electronic configuration...	2
35	Which of the following is incorrect statement...	1
36	Match the Xenon compound in Column-I...	2
37	An Alkane "A" on reaction with O ₃ and Zn - H ₂ O gives propane and ethanal in equimolar ratio. Addition of HCl to Alkane "A" gives "B" as the major product. The structure of product "B" is	3
38	For the chemical reaction N ₂ (g).. the correct option is	3
39	Under Isothermal condition...	1
40	Among the following, the reaction that proceeds through an electrophilic substitution, is	1
41	Which of the following diatomic...	3
42	Which of the following species is not stable?	4
43	Which will make basic buffer...	3
44	Which of the following series of transitions...	2
45	The number of moles of Hydrogen...	3

SET - S3 - Biology

Question Number from SET S3	Question (Initial Text)	Correct Option Number from SET S3
46	Conversion of glucose to glucose 6 phosphate...	2
47	What is the site of perception of photoperiod..	4
48	Which of the following is true for golden rice	1
49	Identify the correct pair representing the causative agent of typhoid..	4
50	Colostrum, the yellowish fluid..	4
51	It takes very long time for pineapple plants..	1
52	DNA Precipitation out of a ..	2
53	What triggers activation of protoxin..	3
54	The frequency of recombination...	3
55	Which of the following is the most important cause for animals...	1
56	Identify the cells whose secretion...	2
57	Match the column.. (i) P - wave...	2
58	Match the following structure with their...	3
59	Cells in G0 phase	1
60	The earth summit held in Rio de Janeiro..	4
61	Which of the following glucose	4
62	Which of the following information is not true about formation of annual rings in tree..	4
63	Match the following Hormones with respective disease...	3
64	In some plants, the female gamete...	4
65	Which of following ecological pyramids..	4
66	Extrusion from second polar body...	1
67	Pinus seed cannot germinate...	2
68	Which of the following factor is responsible for the formation	2
69	In Antirrhinum..	4
70	Which part of brain is responsible for..	2
71	Which of the following sexually transmitted disease is not...	3
72	Respiratory Quotient...	2
73	Select the correct group of biocontrol agents...	2
74	Which of the following statements regarding post fertilization development...	4

75	Concanavalin...	3
76	Match the following organism with the products they produce	2
77		2
78	The correct sequence of phases of Cell cycle is...	4
79	ThioBacillus is a group..	4
80	Select the incorrect statement. - Inbreeding ...	4
81	What map unit(centimorgan)...	3
82	Which one of the following id not a method of in situ conversion...	3
83	Placentation, in which...	3
84	Due to increasing Air borne allergens and pollutants...	2
85	Which of the following statement is correct ? cornea...	1
86	Purines found both in DNA..	2
87	Expressed sequenced tags...	1
88	Phloem in gymnosperms..	2
89	What is the gentic disorder..	2
90	Grass leaves curl inwards..	2
91	Consider the following.. organ system level...	4
92	Under which of the following conditions will there be no change...	4
93	Select the correct option	4
94	The shorter arm and the longer arm of a ...	2
95	Xylem translocates	2
96	Persistent nucellus in the ..	2
97	Match the Column I ...	4
98	Which of the following can be used as ...	1
99	What would be the heart rate of a person...	3
100	Which of the following protocol did aim..	1
101	Polyblend, a fine powder of...	3
102	Which of the following contraceptive methods	1
103	Drug called heroin is ..	2
104	Which of the following pair of gases...	4
105	Which of the following muscular disorders ...	2
106	Which one of the following equipments ...	4

107	The concept of Omnis ...	1
108	What is the fate of male gametes	4
109	How does steroid hormone influence ...	2
110	Which of the following pair of organelles...	3
111	A gene locus has two alleles ...	3
112	Match the following organisms ..	2
113	Which of the following is a commercial...	2
114	Variations caused by mutations ...	2
115	Select the incorrect statement...	3
116	Which of the following immune response ...	4
117	From evolutionary point of view, retention of..	3
118	Select the correct sequence of organs ..	1
119	Which of the following statement regarding...	2
120	Which of the following statement is not..	4
121	Which of the following feature of genetic ...	3
122	Tidal volume and expiratory reserve volume..	1
123	Match the following genes of Lac ..	3
124	Use of an artificial kidney ..	3
125	Match the hominids with their	3
126	Select the hormone releasing ..	3
127	Select the correct sequence for transport ..	2
128	What is the direction of movement..	4
129	Which of the following statement ...	3
130	The ciliated epithelial cells are ..	4
131	Which of the following statements is incorrect	4
132	Which of these following methods..	4
133	Following statements describe the ..	2
134	In a species the weight..	2
135	Select the correctly written...	2

SET - S3 - Physics

Question Number from SET S3	Question (Initial Text)	Correct Option Number from SET S3
136	The correct boolean expression...	3
137	A hollow metal sphere..	2
138	At a point A on the earth's surface...	3
139	In a double slit experiment..	2
140	Six similar bulbs are connected..	2
141	In which of the following processes heat is neither absorbed...	2
142	A cylindrical conductor radius R...	3
143	In the circuits shown below, the readings of the..	3
144	Which colour of the light has the longest wavelength..	3
145	Increase in temperature of a gas..	2
146	The radius of circle, the period of...	4
147	Average velocity of the particle...	4
148	A solid cylinder of mass 2 kg..	1
149	A block of mass 10 kg..	3
150	The speed of a swimmer..	1
151	A 800 turn coil of effective area..	4
152	In an experiment, the percentage...	2
153	The displacement of a particle executing...	2
154	An electron is accelerated through a potential difference...	2
155	A mass m is attached through a thin wire...	3
156	Two particles A and B are moving in a uniform circular motion...	4
157	A copper rod of 88 cm..	4
158	Ionized hydrogen atoms and...	1
159	When a block of mass m is suspended...	3
160	for P-type semiconductor...	2
161	the work done to raise a mass m from...	3
162	In total internal reflection...	4
163	Two point charges A and B..	2
164	Alpha particle consists of..	1

165	Body A of mass 4m...	2
166	A body weighs 200 N on the surface of earth..	4
167	Pick the wrong answer in the context with the rainbow..	3
168	A force $F = 20 + 10y$ acts on a particle..	3
169	A disc of radius 2 m and mass 100 kg...	1
170	A small hole of area of cross section..	1
171	WHen an object is shot from the bottom..	3
172	A parallel plate capacitor..	2
173	The unit of thermal conductivity..	4
174	Which of the following acts as a circuit protector device..	4
175	A soap bubble having a radius of 1 mm...	3
176	The total energy of an electron...	3
177	Two similar thin equi convex lenses...	2
178	Two parallel infinite line charges...	3
179	In which of the following devices..	4
180	A particle moving with velocity...	3