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**P.G.TEACHER IN BOTANY & NCC OFFICER**  
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**TRB – P.G .T EXAM - BOTANY-26 MAY - 2012 –KEY**  
**QUESTION SERIOL NO. B**

<b>QUEST ION NO.</b>		<b>ANSWER</b>
<b>1</b>	<b>B</b>	<b>PYRUVIC ACID</b>
<b>2</b>	<b>C</b>	<b>MATRIX OF MITOCHONDRION</b>
<b>3</b>	<b>D</b>	<b>MORE STRONG</b>
<b>4</b>	<b>B</b>	<b>ASSOCIATION OF SUBUNITS</b>
<b>5</b>	<b>A</b>	<b>1</b>
<b>6</b>	<b>B</b>	<b>T RNA</b>
<b>7</b>	<b>A</b>	<b>NITROGEN</b>
<b>8</b>	<b>A</b>	<b>SHARBATI SONARA</b>
<b>9</b>	<b>B</b>	<b>CHEMICAL MUTAGENS</b>
<b>10</b>	<b>B</b>	<b>UV-RAYS</b>
<b>11</b>	<b>D</b>	<b>PANTROPICAL</b>
<b>12</b>	<b>A</b>	<b>STATEMENT I IS TRUE AND II IS FALSE</b>
<b>13</b>	<b>A</b>	<b>CYCAS</b>
<b>14</b>	<b>C</b>	<b>Polytrichyum</b>

15	D	Pteridophytes
16	A	DEVONIAN
17	B	STATEMENT I IS FALSE AND II IS TRUE
18	C	RED ALGAE
19	A	5730 YEARS
20	A	WATER VAPOUR AND CO <sub>2</sub>
21	C	BEJERINCK
22	D	ADSORPTION, PENETRATION, RELICATION, PRODUCTION, ASSEMBLY AND RELEASE (+1 BOOG PAGE 15)
23	A	AZOTOBACTER AND CLOSTRIDIUM ( +1 BOOK PAGE NO 217)
24	B	PARASITIC SAPROPHYTIC OR SYMBIOTIC ( +1 BOOK PAGE NO 25)
25	B	PHTOAUXOTROPHIC
26	A	RHODOPHYCEAE EXCEPT NEMALIONALES
27	b	Pantheremia acid
28	C	ASEPATE AND COENOCYTC( +1 BOOK PAGE 41)
29	C	CONIDIA AND PYCNIOPORES
30	D	Breathing pores
31	a	The memberes of two sets of alleles segregated in F <sub>2</sub>
32	B	THE NEW CHROMATIDS COPIED PARTLY FORM ONE STRAND AND PARTLY FORM OTHER STRAND
33	D	NONE OF THE CYTOCHROMES a,b and, c
34	B	“N” atomes in the normal molecules
35	B	AA+XX
36	D	CALYPTROGEN

37	A	TWO VASCULAR BUNDLES
38	C AND D	BOTH AUTMN WOOD AND LATE WOOD IS CORRECT
39	A	PARENCHYMA WALLS
40	A	BRACHYSCLEREIDS
41	B	MEXICO
42	A	ANATOMY AND STOBILI
43	C / D	PINUS ROXBURGHII ( NOTES PAGE NO 69) / cdrus deodara
44	C	CATKIN ( NOTES PAGE NO 14)
45	C	Lomentum ( notes page no 32)
46	B	Smooth and shiny ( Notes page no 12)
47	A	WEST BENGAL
48	D	NUMERICAL TAXONOMY
49	A	IMBRICATE COROLLA AND introse ANTHER ( BOOK 165)
50	B	1 ( C.equcsetifloia)
51	A / D	ZYMONONAS / Acetobacter ( Page no 42) = A.Aceti
52	A	Aspergillus niger
53	D	Cover the soil and hold water
54	B	FUNARIA
55	A	BRYUM
56	B	SIPHONOSTELES
57	C	SYNTELOMES
58	C	DERIVED FORM THE OUTER DAUGHTER CELL

59	B	HETEROSPOREOUS AND DIOECIOUS
60	A	SPORANGIA WERE FOUND ON FRONDLIKE LEAVES BUT NEVER FORMED A CONE ( NOTES PAGENO. 36)
61	C /D/A	CARBONATION -
62	D	78:21
63	C	WOOD
64	A	AN ORGANIC COLLOID
65	A	PANGEA
66	B	WIDER ITS RANGE
67	A	STAEMENT I IS TRUE AND II IS FALSE
68	D	CRETACEOUS
69	A	DEVONIAN
70	C	BOTH UNIFORM AND RANDOM
71	D	SECONDARY CORTEX
72	C	HAPLOID MEGASPORE
73	C	P.Maheswari
74	B	Three and lie at chalazal end
75	B	ORCHIDACEAE AND PODOSTEMONACEAE
76	D	TRIPLOID ENDOSPERM NUCLEUS
77	C	INCREASE
78	D	COHESION OF WATER AND TRANSPIRATION PULL
79	D	3 ATP AND 2 NADPH <sub>2</sub>
80	A	FAD

81	D	SPADIX
82	C	HISUTUM AND G. BARBADENSE
83	D	SOUTH AMERICA
84	C	TRUNK
85	A	CIRCULAR
86	B	G1SG2AND M
87	B	POLYTENE CHROMOSOMES
88	A	INNER MEMBRANE FACING THE MATRIX
89	A	PHOSPHOLIPIDS
90	C	MUTONS AND RECONS WITHIN IT
91	A	C-DNA
92	B	AGROBACTERIUM
93	C	CUT DNA
94	C	INTERSPECIFIC HYBRIDS
95	D	PARTICLE GUN AND ELECTOPORATION
96	A	RNA- DIRECTED DNA POLYMERASE
97	B	BACILLUS
98	D	ANTIBIOTIC
99	B	LICHENS
100	C	POPULATION
101	A	DISSOLVE AND DISINTEGRATE THEM INTO SOIL PARTICLES
102	B	WHEAT

103	D	TEMPERATURE AND HUMIDITY
104	C	BLIGHT
105	B	COPPER SULPHATE LIME AND WATER
106	B	ORGANO MERCURY COMPOUNDS
107	C	MACROPHOMINA PHASEOLINA
108	A	PRIMARY PRODUCTION
109	D	NITROSOMONAS AND Nitrospira
110	C	FACULTATIVELY ANAEROBIC GRAM-VE NON-SPORING ROD SHAPED BACTERIA
111	A	NEGATIVE REDUCTION
112	B	AUROBINDO
113	C	WOMEN
114	A	WEST BENGAL
115	A	KRISHNAMOORTHY
116	A	POSTAL
117	C	FROEBEL
118	B	1969
119	A	MC Donald
120	a	Gandhi
121	b	TACHISTOSCOPE
122	A	SINGLE FACTOR
123	D	NON OF THEM
124	A	8 TYPES

125	- ?	- MAY BE 1 YEAR
126	C	46
127	B	ROTE MEMORY
128	D ?	DEAF & DUMB ? OR ALL OF THEM
129	B	MASLOW
130	B	1949
131	A	Women education
132	B	PERAMBALUR
133	B	USA
134	A	JUNE 12
135	A	SCHOOL
136	D	NOVODAYA SCHOOL
137	- ?	?
138	D	ALL OF THEM
139	C	1986
140	B	VILLAGE LEVEL
141	D	1975
142	A	NATIONAL BANK FOR RURAL DEVELOPMENT
143	C	KORKAI
144	B	RABINDRANATH TAGORE
145	c	Priyadarshi
146	a	Kharaj ( land revenue)

<b>147</b>	<b>D</b>	<b>FREON 12</b>
<b>148</b>	<b>A</b>	<b>BAN KI – MOON</b>
<b>149</b>	<b>B</b>	<b>26<sup>TH</sup> JANUARY 1950</b>
<b>150</b>	<b>D</b>	<b>12</b>