

T.VENKATESH KUMAR, M.Sc., M.Phil., M.Ed., PGDMLT., PGDBI.,

P.G. TEACHER IN BOTANY & NCC OFFICER

V.M. GOVT. HR. SEC SCHOOL FOR BOYS .,

PERIYAKULAM – 625 601 THENI DT.

MOBIL NO. 9894925571,9894925581

QUESTION NO.	QUESTION	ANSWER
1	Cane-sugar is also known as :	(D) Sucrose
2	Consider the following statements: (i) Phospholipids are compound lipids (ii) Waxes are simple lipids of these :	(C) Both statements (i) and (ii) are true
3	Among the following which protein helps the blood clotting?	(A) Thrombin
4	Zwitter ions mean:	(C) Ion containing positive and negative charges
5	Lock and key hypothesis was proposed By	(C) Emil Fisher
6	The learning of a particular task facilitates subsequent learning of another task is called	(C) Positive transfer of learning
7	Theory of hierarchical of human needs is proposed by	(D) Abraham Maslow
8	Which is not defense mechanism	(D) Conflict
9	Which of the following is not a biological factor of personality	(D) Chemique
10	The formula used to arrive IQ is:	(A) M.A / C.A X 100
11	Acrogynous condition is found in	(C) Jungermaniales
12	Which of the following is the positive evidence of aquatic ancestry of Bryophytes?	(D) Ciliated sperms
13	Plants in which two kinds of meiospores are formed, the plant is:	(A) Heterospores
14	Name the condition, the central core of xylem is divided into a number of separate plates arranged parallel to each other:	(B) Plectostele
15	The development of the zygote from the egg cell without the act of fertilization:	(C) Parthenogenesis
16	Salazinic acid produced from:	(C) Ramalina siliquosa
17	Saxicolous refers to	(B) Lichens growing on rock
18	Plant disease caused by virus is :	(D) TM disease
19	N ₂ fixation by aerobic Azatobacter, was discovered by	(a) Beijerinck 1901
20	Bordeaux mixture contains:	(A) Copper sulphate, lime and water
21	In chromosomal crossing over, if the double cross over is equal to the expected value then what the value of coincidence is.	(C) 0 %
22	A Mutant defect can be overcome by supplying the specific nutrient or any other compound that is called:	(A) Morphological mutation
23	In cytoplasmic male sterility, crossing of parents of fertile female with fertile male give F ₁ progeny containing plants with	(A) Only male sterile
24	In chromosomal intersection, if the inverted segment included centromer that is called:	(B) Pericentric inversion

25	Location of RNA polymerase I in eukaryotes:	(A) Nucleoplasm
26	Vermifuge is obtained from the extracts of :	(D) Durvillea
27	Quadriscutate type of antheridium is formed in which of the following?	(B) Chara
28	Kerosene fungus refers to	(C) Amorphantheca resinosa
29	Fission yeast is :	(A) Schizosaccharomyces
30	Which of the following is a fruticose lichen?	(B) Bryoria
31	Commercial sugar is obtained from	(D) Shoots of sugarcane
32	The botanical name of the plant yielding an alkaloid called Reserpine is	(C) Rauwolfia serpentina
33	Central Rice Research Institute is situated at:	(D) Cuttack
34	The highest protein content is in	(C) Gram
35	At present time the most accepted type of identification of plant is	(B) Dichotomous Key
36	Split genes also called	(C) Intron ?
37	Match the following (I) Histogen theory (a) Schuepp (II) Tunica (b) Nageli (III) Korper –Kappe theory (C) Schmidt (IV) Apical Cell theory (d) Hanstein	(I) (II) (III) (IV) (A) (a) (b) (d) (c)
38	Lenticels are found in:	(C) Cork
39	Heart wood is called	(A) Alburnum
40	Which of the following is not a clearing agent?	(D) Formalin
41	Excessive enlargement of diseased organ because of increase in size of cells in the affected region in plants is called:	(A) Hypertrophy
42	Shedding of leaves is characteristic feature of disease	(A) Tikka diseases of groundnut
43	..... is an excellent candidate for commercial SCP which has high vitamin content.	(D) Yeast
44	..... is added in the paddy fields to get a high yield.	(B) Nostoc
45	The enzyme that causes fermentation of glucose and produces ethyl alcohol	(C) Zymase
46	Role of the Teacher in Child-centered Education.	(D) All of these
47	Joyful Learning is based on the principles of Pedagogy which are entirely based on :	(D) Both (A) and (B)
48	Who is the founder of the Community school viewing the publication of "The Village College"?	(B) Henry Morris
49	The Sainik schools are a system of schools in India Conceived in 1961 by:	(D) V.K. Krishna Menon
50	Which Institute is the producer of Educational Television programme for young children between 5 and 11 year age group?	? (A) CIET, New Delhi (? =DD-Gyan Darshan)
51	Ammonifying bacteria in the process of nitrogen fixation is :	(D) (D) Bacillus ramosus
52	The organisms that are used to flavor food and as leavening agent in bread making	(B) Saccharomyces cerevisiae
53	Gram negative, non spore forming bacilli found in the	(C) Proteus

	intestine of man is	
54	Name the genus has been used to cure pulmonary tuberculosis:	(A) Marchantia *** (M.polymorpha)
55	In which acid is attracted by antherozoids in Bryophytes?	(B) Malic acid
56	The general assembly of the UNO proclaimed 1974 as the	(c) Worl population Year
57	Learner Controlled Instruction (LCI) was developed by....	(B) B.F. Skinner
58	In the 19 th Century the research by proclaims that in Bengal state of the population only 4 women were literates.	? ((A) Chatterji
59	“ Book illusion” is figural illustration representing which one of the following:	?
60	“ Principle of Hedonism” in emotional development is a concept that concentrates on:	(A) Pleasant ?
61	..... is the most widely used vital dye	(A) Toluidine blue
62	The role of Tapetum layer in the development of anther is	(c) Nutrition
63	The pericarp in the fruit of angiosperms develops form:	(B) Ovary wall
64	The ovule is erect so that the funicale, chalaza and micropyle lies on the same vertical line is	(C) Orthotropous
65	Endosperm is a	(D) Stored food in a seed
66	Who wrote “ The God of small Things”?	(A) Arundhati Roy
67	When sodium chloride is added to water, the solution boils:	(B) above 100°C
68	NH 7 connects	(D) Varanasi to Kanyakumari
69	The Youngest nominee for the Nobel peace prize who popularly known for women’s education rights:	(B) Malala
70	The East Indian Company of England got permission to trade in India during the period of:	(B) Jahangir
71	Virus is made up of :	(C) Nucleic acid and capsid
72	Mumps virus structure is :	(A) Round shape
73	Fimbriae help in	(B) Attachment of surface
74	MPN method used for	(D) Determining the number of Bacteria
75	Gulf weed is	(A) Sargassum
76	Among the following which one is a living cell ?	(D) Xylem parenchyma
77	In Nemophila the hasustoria arise at the	(C) Micropylar and Chalazal end
78	Which of the following is not a fixative ?	(D) Toluene
79	Aquaporins are	(C) Integral membrane proteins
80	The transport of water form root to leaf in a tall tree is mainly due to	(D) Cohesion of water and transpiration pull
81	Which of the following nutrients is essential for nitrogen fixation	(B) Cobalt
82	Photophosphorylation means:	(B) ATP synthesis in the light reaction
83	In Clycolysis, one molecule of glucose is converted into Molecules of Pyruvic acid	(B) 2
84	Nitrate is reduced to Nitrite and then to ammonia . This process is called.....	(C) Nitrate reduction
85	Among the following which one is not a synthetic auxin	(C) Indole -3 – acetic acid
86	Age of Area hypothesis was propounded by:	(A) Wills

87	The movement of propagules from one place to another is called	(A) Migration
88	Laurasia and Gondwana together is called:	(B) Pangaea
89	The smallest repetitive unit of soil is called	(A) Pedon
90	Which of the following part of the Lepidocarbon is obtained as fossil?	(D) Seeds
91	The first artificial cloning vector developed in 1977 is	(B) pBR 322
92	Blue white selection method used the following reporter gene:	(C) lac Z
93	Benzyladenine is a:	(D) Cytokinin
94	CRYEMA test is useful for distinguishing:	(B) Rhizobium and Agrobacterium
95	The study of individual species in relation to its environment is called:	(B) Autecology
96	The third Indian National Congress (1887) conference was held in:	(C) Chennai
97	Who is popularly known as "Gangaikonda Cholan"	(B) Rajaraja I
98	Who won the Man of the Series title in 2013 ICC Champions trophy Cricket league?	(C) Shikhar Dhawan
99	The article which provides special status to the state Jammu and Kashmir	(C) Article 370
100	NCTE stands for	(C) National council for Teacher Education
101	The term "Taxon" was introduced by	(C) H.J.Lam (1950)
102	The Botanical Name of China tree is	(D) Melia azadirach = china berry tree
103	Amala belongs to family	(B) Euphorbiaceae
104	This cytological stain is also called auxochrome:	? (A) Picric acid
105	Before mitotic division, cells get enlarged into..... times that of its original size.	(A) 2
106	The committee that suggested a system of multipurpose education at the secondary stage was:	(B) Tarachand Committee
107	By the constitutional amendment of "Education" was placed on the concurrent list.	(C) 1976
108	"No child below the age of 14 years shall be employed to work" is mentioned in the Indian constitution.	(B) Article 45
109	NCERT is its publication documents on, 'Social, Moral and Spiritual values in Education (1979)' had drawn up ... values to be inculcated through education.	(B) 84
110	Manpower planning is highly influenced by the pattern of	? (D) Migration
111	Which plants originated from the Mesozoic era?	(A) Origin of Angiosperms
112	Sphenopsida plants originated from which period?	(C) Devonian
113	Lyginopteris was a fossil plant of :	(C) Pteridophyte
114	The place where fossils are available	(C) Thiruvakarai
115	Petrification fossil:	(A) shows external and internal structure
116	Trabaculated endodermis is seen in	(D) Selaginella
117	The male gametophyte has two prothallial cells found in:	(B) Coniferales

118	Which of the following statements is not true for Gymnosperms?	(D) Absence of Resin canals
119	The Ovules, male strobili of Ginkgo begin in the month of , and pollination takes place in the month of	(B) April , May
120	Name the term, the vascular bundles of the integument enters the stony layer at the base through two pores:	(A) formia ?
121	Conflict between two negative goals is	(A) Avoidance - Avoidance
122	The Goal of Educational Innovation is	(A) Positive Change in Learning
123	Which Ashram presents “ Ideal of Human Unity”?	(C) Ari Aurobindo Ashram
124	Who first advocated that “ Women are equal to men” in Education?	(A) Vivekanandar
125	The Preamble of the Indian constitution describes one of the principles as follows:	(A) Equality
126	Compound spadix inflorescence found in	(A) Pandanus = Screwpine
127	The development of first foliage leaves after seed germination:	(A) Cotyledonary leaf
128	Muskmelon is a..... fruit.	(C) Pepo
129	Wind pollinated plants differ from insect pollinated plants in having:	(B) No petals and light pollen
130	The nuclear fusion which is characteristic of sexual reproduction is known as	(A) amphimixis
131	Succession beginning in dry situations are termed:	(D) Xerosere
132	The study of freshwater habitat is called:	(D) Limnology
133	In Raunkiaer frequency classes, class A refers to frequency percentage of :	(D) 1-20
134	The lowest layer of atmosphere in which living organisms operate is called:	(B) Troposphere
135	Carex lapponica is a:	(B) circumpolar species
136	Glycoproteins of ribophorine (I and II) are found in:	(B) Rough endoplasmic Reticulum
137	In Chloroplast protein, stroma protein represents:	(C) 50 %
138	During mitotic cell division, in which stage mixing of Nucleoplasm with cytoplasm takes place:	(A) Prophase
139	What is the length of 1pg of DNA?	(B) 31 c.m
140	Alternative forms of the same gene:	(C) Allele
141	..... developed his theory of identical elements to explain transfer of learning	(D) Thorndike ?
142	.....involves higher order cognition in the interpretation of sensory information.	(C) Sensation
143	I. Problem solving ability improves with age. II. This improves in terms of both speed and accuracy.	(D) I and II are correct
144	Trial and Error theory was given by:	(B) Edward L. Thorndike
145	Ebbinghaus experiment is related to	(A) Curve of Memory
146	Hallet and Rimpau are methods of	(B) Mass selection
147	The term “ Heterosis” was proposed by:	(C) G.H.Shull
148	In India, the first Gamma garden was opened at:	(A) Bose Research Institute, Calcutta
149	Nullisomic is a condition of	(B) Aneuploidy
150	Exonuclease removed nucleotides from:	(B) 3' end of double stranded DNA

