

CUET UG Biology Answer Key 2024

S.No	Question	Answer
1	Match List I with List II	<ul style="list-style-type: none"> • Anteater - Numbat • Bobcat - Tasmanian Tiger Cat • Lemur - Spotted Cuscus • Flying Squirrel - Flying Phalanger
2	Match List I with List II	<ul style="list-style-type: none"> • Statin - Monascus • Clot Buster - Streptococcus • Swiss Cheese - Monascus • Cyclosporin-A - Trichoderma
3	The beetle used as a biocontrol agent for aphids and mosquitoes is	Ladybird
4	The downstream processing method involves	Purification
5	Which of the following is not the correctly matched pair of organisms and its respective cell enzyme?	Alage - Methylase
6	Arrange the following steps involved in the transformation of bacteria in a sequence from initiation to end.	2 - B, A, C, E, D
7	Which of the following statements are true?	<ul style="list-style-type: none"> • Milk obtained from Rosie... • Transgenic animals help us to understand...
8	Match List I with List II	<ul style="list-style-type: none"> • 1 - Antitrypsin - Treat Emphysema • CryIAC - Cotton Ballworms • Antisense RNA - Meloidegyne Incognitia • cryIAB - Corn Borer
9	When an insect feeds on the Bt plant, the insect dies due to the conversion of inactive protein to active protein in	Alkaline pH of the Gut
10	Match List I with List II	<ul style="list-style-type: none"> • Commensalism - One species is benefits and the other remains unaffected • Mutualism - Both the species are benefitted • Amensalism - One species is harmed and the other is unaffected • Parasitism - One species is benefitted at the expense of the other
11	The process of mineralisation by microorganisms helps in the release of	Inorganic nutrients from humans

12	Choose the correct statement with respect to decomposition from the following	<ul style="list-style-type: none"> Decomposition rate of detritus depends upon the chemical nature of it Humification follows mineralisation
13	Which of the following statements is incorrect with respect to Medical Termination of pregnancy?	MTPs can be performed even after 24 weeks but with the opinion of 2 registered medical practitioners on specific grounds
14	Match List I with List II	<ul style="list-style-type: none"> Standing State - Amount of mineral nutrients in the soil at a given time Secondary Productivity - Rate of formation of organic matter by consumers Standing Crop - Mass of living matter in a tropical at a given time Net Primary Productivity - Available Biomass for the Consumption of Heterotrophs
15	Match List I with List II	<ul style="list-style-type: none"> ZIFT - Transfer of fertilized eggs up to 8 blastomeres into the fallopian tube ICSI - Formation of the embryo in vitro by injecting sperm directly into the ovum IUI - Transfer of semen from a healthy donor into the uterus artificially IUT - Transfer of embryo with more than 8 blastomeres into fallopian tube
16	Saheli - an oral contraceptive pill, also known as once a week pill was developed by	CDRI
17	Which of the following is not a characteristic of the stable biological community	All the species are equally important in a stable community and the absence of anyone leads to instability
18	In the river poppet hypothesis, the river signifies	Species
19	The scientist who proved the richness directly correlated with the stability of the community was	David Tilman
20	Among the vertebrates, which of the following is the most species-rich group?	Fishes
21	Cells present in the mature pollen grains are	Vegetative Cell and Generative Cell

22	Match the Following	<ul style="list-style-type: none"> Filiform apparatus - Guides Pollen tube into the synergid Tapetum - Nourishes the Pollen Grain Exine - Made up of sporopollenin Attachment of ovule to the placenta
23	The primary endosperm nucleus is the product of	Triple fusion
24	In humans, mammary glands are divided into	15 - 20
25	Sex in human embryos is determined by	X and Y chromosomes of sperm
26	Arrange the following stages of oogenesis in order of occurrence	2 (B, C, D A)
27	Which of the following pair of contrasting traits was not studied by Mendel?	1 (Pink and White Flowers)
28	Failure of Chromatids to segregate during the cell division cycle results in?	3 (Aneuploidy)
29	Select the correctly matched pair about sickle cell anaemia	1 (C and D only)
30	Match the List-I with List-II	1 (A - II, B - IV, C - I, D - III)
31	Which of the following statements are incorrect with respect to nucleotides?	3 (B and D only)
32	Arrange the given steps of DNA fingerprinting in the sequence from initiation to end.	3 - (B, A, D, C)
33	Nucleosome is associated with...molecules of histones	4 (Eight)
34	Select the observations drawn from the human genome project which are correct	3 (A, C and E only)
35	Analogous structures are a result of	1 - Convergent evolution
36	Which of the following does not affect the Hardy-Wember equilibrium?	3 - Gene Pool
37	Which of the following primates was more like an ape?	2 - Dryopithecus
38	Match List I with List II	1 - (A - II), (B - IV), (C - I), (D - III)
39	Identify the Incorrect Statements	3 (D only - Pneumonia is caused by Salmonella)
40	Match List I with List II	<ul style="list-style-type: none"> Cytokine Barriers - Interferons Physical Barriers - Mucus Coating Cellular Barriers - Phagocytosis Physiological Barriers - Tears from Eyes
41	Smack is chemically	1 - Diacetyl Morphine
42	Antibodies are secreted by	2 - B-Cells
43	In sewage treatment, flocs are	3 - The masses of bacteria associated with fungal filaments

44	Full Form of GEAC	Genetic Engineering Approval Committee
45	In a country at any time, the popular has the same number of young and mature ones. What type of growth does it reflect?	3 - Stable
46	Two closely related species can co-exist indefinitely and violate Gause's 'Competitive Exclusion Principle by'	2
47	In which ecosystem is the biomass of primary consumers greater than producers?	4 - Sea
48	Which of the following is not a sexually transmitted disease?	2 - Filariasis