## Question Booklet Series: A

## Question Booklet Serial No.: 410965

## CET (UG) - 2021

Important: Please consult your Admit Card/Roll No. slip before filling your Roll Number on the Test Booklet and Answer Sheet.

Roll No.	(In Figure)	(In Words)	
			£
O.M.R. A	Answer Sheet Serial No.		
Signature of	Candidate:	Signature of Invigilator:	

## **SUBJECT: BIOLOGY**

Time: 70 Minutes Number of Questions: 60 Maximum Marks: 120 DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO. INSTRUCTIONS:

- Write your Roll No. on the Questions Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
- Enter the Question Booklet Serial No. on the OMR Answer Sheet. Darken the corresponding bubbles with Black Ball Point/Black Gel Pen.
- 3. Do not make any identification mark on the Answer Sheet or Question Booklet.
- The medium of examination shall be English only.
- Please check that this Question Booklet contains 60 Questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of Test.
- Each question has four alternative answer (A,B,C,D) of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with Black Ball Point/Black Gel Pen.
- If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Booklet. No marks will be deducted in such cases.
- Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the question given in the Question Booklet.
- 9. Negative marking will be adopted for evaluation i.e. 1/4<sup>th</sup> of the marks of the question will be deducted for each wrong answer. A wrong answer means incorrect answer or wrong filling of bubble.
- 10. For calculations, use of simple log tables is permitted. Borrowing of log tables and any other material is not allowed.
- 11. For rough work only the blank sheet at the end of the Question Booklet be used.
- 12. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above account, i.e. not following the instructions completely, shall be of the candidate only.
- 13. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
- 14. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so would be expelled from the examination.
- 15. 20 minutes extra should be given to the visually handicapped/Person with Disability (PwD) for each paper.
- 16. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistant or found giving or receiving assistant or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
- 17. Tele-communication equipment such as Cellular phones, pager, wireless, scanner, camera or any electronic/digital gadget etc., is not permitted inside the examination hall. **Use of calculators is not allowed**.
- 18. The candidates will not be allowed to leave the Examination Hall/Room before the expiry of the allotted time.

			are is completely	
1.	An example of soft			
	(A) Tubipora	(B) Meandrina	(C) Fungia	(D) Alcyonium
2.	Sea mouse belongs	to phylum		
	(A) Chordata	(B) Annelida	(C) Mollusca	(D) Echinodermata
3.	Scientific name of	sandfly is		
	(A) Glossina palpa	lis (B) Drosophila	(C) Phlebotomus	(D) Tsese fly
4. Which of the following reptile is living fossil				
	(A) Peripatuus	(B) Latimeria	(C) Archaeopteryx	(D) Sphenodon
5.	Which of the follow	wing cellular events de	oes not involve actin fila	
	(A) Cytokinesis in a	animal cell	(B) Contraction of s	smooth muscle
	(C) Flagellar move	ment in bacteria	(D) Amoeboid mov	rement
6.	Tryptophan operon	in <i>E.coli</i> has stru	ctural units	
	(A)3	(B) 5	(C) 7	(D) 1
7.	"Portuguese man-	of - war" is		
	(A) Obelia	(B) Aurelia	(C) Platypus	(D) Physalia
8.	The protein part of	conjugated protein is	called:	
	(A) Holoenzyme	(B) Coenzyme	(C) Apoenzyme	(D) Prosthetic grou
9.	. An enzyme act by			
	(A) Increasing the reaction time		(B) Decreasing the reaction time	
	(C) Reducing the activation energy		(D) Increasing the activation energy	
1	0. Which organelle ta	akes part in detoxifica	tion	Amount Airle ( )
	(A) Lysosomes		(B) Endoplasmic 1	reticulum
	(C) Mitochondria	Water State of the	(D) Golgi body	
		Jone, 7A (M)	-Suon i	
1	1. Fatty acid oxidation		(D) D	
	(A) Golgi complex		(B) Peroxisomes	
	(C) Endoplasmic	reticulum	(D) Microsomes	
1			ejection after the birth o	
	(A) Oxytocin	(B) Estrogen	(C) Prolactin	(D) Progesteron
1	3. Down syndrome			
	(A) Trisomy of chromosome 21		(B) Trisomy of chromosome 18	
	(C) Nullisomy of	chromosome 21	(D) Deletion in ch	romosome 18
1	14. Which one of the	following is not a X-l	inked recessive disease	
	(A) Haemophilia		(B) Thalassemia	
	(C) Colour blinds	ness	(D) G-6-PD defici	ency
1	15. Prototherians are	connecting link between	een (Uvanyê (V)	
	(A) Ambhibia and		(B) Reptiles and n	nammals
	(C) Fish and amp	hibiane	(D) Rentiles and a	

16. Typhus fever is tran					
(A) Mosquito	(B) Body louse	(C) Bed bug	(D) House fly		
17. AIDS virus has					
(A)DS DNA	(B) SS DNA	(C) DS RNA	(D) SS RNA		
18. Sarcoma is the canc	er of				
(A) Epithelial tissue	(B) Connective tissu	ue (C) Blood	(D) Endodermal tissue		
19. LSD is obtained fro	m				
(A) Cannabis sativu	us.	(B) Erythroxylon	coca		
(C) Claviceps purp	urea	(D) Neurospora c			
20. Which part of the br	rain is most affected by	v alcohol			
(A) Cerebrum		(B) Cerebellum			
(C) Medulla oblong	ata	(D) Pons varolii			
21. Pancreatic juice tak	e part in digestion of				
(A) Proteins and car		(B) Proteins, fats and carbohydrates			
(C) Proteins and fat		(D) Proteins only			
22. Beri-Beri is caused	by deficiency of				
(A) Vitamin B1	(B) Vitamin B12	(C) Vitamin C	(D) Vitamin E		
S 21 AND 32	or and an analysis and an anal		(D) Vitaliilii E		
23. Maximum amount		n normally hold is			
(A) Vital capacity o		(B) Total lung capacity			
(C) Pulmonary capa	acity	(D) Tidal capacity	¥		
24. When partial pressor degrees will	ure of CO <sub>2</sub> rises, the o	xygen dissociation of	curve of haemoglobin at 37		
	(A) Shift towards right		(B) Shift towards left		
(C) Remain unchan	ged	(D) Become irregular			
25. The rate of heart be	at is determined by				
(A) Sino-auricular r		(B) AV node			
(C) Purkinje fibres		(D) Papillary muscles			
		SALUE AND			
<b>26.</b> The function of ren	20 20 C 2				
(A) Stimulation of corpus luteum		(B) Degradation of angiotensinogen			
(C) To reduce blood	d pressure	(D) Vasodilation			
27. Which set of crania	l nerves is purely of se	ensory nerves			
(A) I,II,VIII	(B) I,II,IV	(C) I,V,VI	(D) I,V,VII		
28. Parasympathetic ne	rvous system				
(A) Dilates pupil of		(B) Accelerate he	art beat		
(C) Stimulate saliva		(D) Release sugar			
29. The joint between	the human skull hansa	is			
(A) Hinge joint	(B) Synovial	(C) Cartilaginous	(D) Fibrous		

<ul><li>(A) Autosomes</li><li>(Barr bodies and sex chromosomes</li></ul>		g cells from the amniotic fluid by looking for (B) Kinetochore (D) Mitochondria	
31. The number of chron (A) 12	mosomes present in the (B) 16	e rice gamete is- (C) 21	(D) 24
32. In microsporangium		•	
(A) Tapetum	(B) Endothecium	(C) Middle layer	(D) Epidermis
33. Haemophilia may b (A) Normal female		ale progeny through- (C) Normal male	(D) Affected male
34. Trisomy of chromo	some 21 results into D	own's syndrome. It is a	type of-
(A) Euploids	(B) Polyploids	(C) Aneuploids	(D) Diploids
35. 'Kalyan Sona' is a h	nigh yielding and disea (B) Cotton	se resistant variety of- (C) Sugarcane	(D) Wheat
26 (D) 1	Separate Call but	Ul min hologoby so es	
36. 'Black rot of Cruci: (A) Viral disease		(C) Bacterial disease	(D) Nematode disease
37. Hind-II, a restriction (A) Eight	n endonuclease recogn (B) Six	izes a particular sequen (C) Four	ce ofbase pairs. (D) Two
38. Why gold micro pa (A) They are shinin (C) They are least r	g	e gun method to introgre (B) They are hard (D) They are costly	ess alien DNA?
39. How many Bt crops	s have been released in	India for commercial co	ultivation?
(A) One	(B) Five	(C) Nine	(D) Thirteen
<b>40.</b> The amount of Car (A) 61%	bon found dissolved in (B) 71%	the oceans is at the tun (C) 81%	e of- (D) 91%
	gierren in ern sitr	and personal transactions	elegantines i Astron
(A) Rauwolfia vom	itoria	active chemical compou (B) Ranunculus aqua	
(C) Rubia cordifoli	a managementaling	(D) Rivina humilis	
42. How many biodive	ersity hotspots are there	e in the world?	
(A) 16	(B) 25	(C) 34	(D) 43
43. Which of the follo		Manufacture and the second sec	
<ul><li>(A) Eichhornia cra</li><li>(C) Typha latifolia</li></ul>		(B) Phragmites kark (D) Potamogeton na	
44. 'Chipko Movemen (A) Herbs	t' is associated with the (B) Shrubs	e protection of- (C) Liana	(D) Trees
2 0			No. of the second secon

(A) Class	and genus,	respectively	name refer to(B) Family and class, respectively		
A CO			(D) Genus and speci	es, respectively	
(A) Elaio		ng store proteins? (B) Aleuroplasts	(C) Amyloplasts	(D) Tonoplasts	
47. During v (A) Prop		of mitosis, the conden (B) Metaphase	sation of chromosome (C) Anaphase	s is completed? (D) Telophase	
48. What typ (A) Spira		rangement is present i (B) Whorled	n the genus <i>Calotropis</i> (C) Opposite	? (D) Alternate	
49. Selagines (A) Sphe		ber of class- (B) Psilopsida	(C) Pteropsida	(D) Lycopsida	
50. Which of (A) Cent		ing is absent in almos (B) Peroxisomes		ne (D) Middle lamella	
51. Glucose (A) Do n		degraded into CO <sub>2</sub> a (B) Partially	nd H <sub>2</sub> O in aerobic resp (C) Mostly	oiration. (D) Completely	
	ich water ret than 1%		sed for photosynthesis (C) Less than 10%		
53. How ma (A) One	iny macroni	ntrients a plant can obt (B) Two	tain from water and car (C) Three	rbon dioxide? (D) Four	
54. Which of (A) Zinc		ring is a constituent of (B) Potassium	Nucleic Acids? (C) Copper	(D) Nitrogen	
(A) Jose	65. 'Law of Limiting Factor' was given by- (A) Joseph Priestley (1770) (C) Blackman's (1905)		<ul><li>(B) Julius von Sachs (1854)</li><li>(D) George Johann Mendel (1866)</li></ul>		
56. The arra (A) Enda		which protoxylem lie (B) Exarch	es towards the peripher (C) Mesarch	y of root is called- (D) Diarch	
57. F. W. W (A) Oat	/ent, isolate	d a plant growth regul (B) Rye	ator called 'Auxin' fro (C) Maize	m- (D) Bajra	
58. In which (A) Clear		chens' do not grow? (B) Polluted	(C) Dry	(D) Moist	
59. What hat (A) It is (C) It is	increased	he catalytic activity of	f the enzyme in the abs (B) It is decreased (D) It remain uncha		
		he endodermis constitular bundles & pith	ute a stele.  (B) Vascular bundle  (D) Pericycle & pit		