

Model Question of SSC Examination 2020 for All Board

Biology

Subject Code

1	3	8
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Time — 2 hours 35 minutes

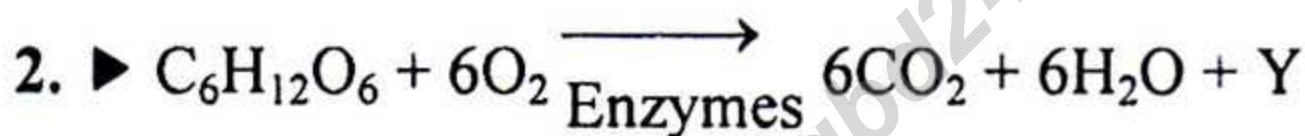
Creative Essay Type

Full marks — 50

[N.B. -The figures in the right margin indicate full marks. Read the stems attentively and answer any five of the following questions.]

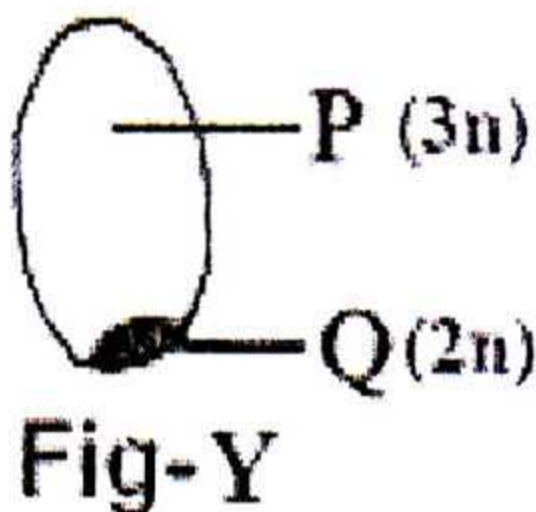
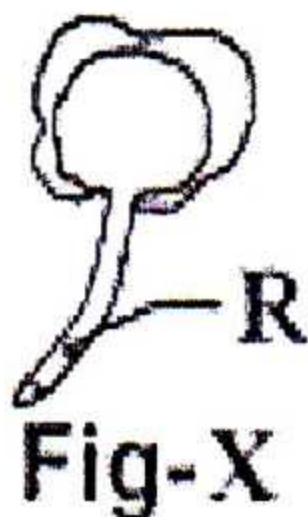
1. ★ In the Biology class Teacher told that in the cells of autotroph there present two surrounding layer “P” and “Q” respectively where “P” is living and “Q” is dead.

- a. Define karyokinesis. 1
- b. What does it mean by C_3 cycle? 2
- c. Explain the differences between mentioned cell and cell where “Q” is absent. 3
- d. Analyse the importance of “Q”. 4



- a. Define short day plant? 1
- b. What does it mean by relative humidity? 2
- c. Calculate the total amount of ‘Y’ from the equation which stages occurs in mitochondria. 3
- d. Analyze the importance of above process. 4

3. ★



- a. What is phytohormone? 1
- b. What does it mean by Mutualism? 2
- c. Explain how labelled 'R' of Fig-X helps to produce 'P' and 'Q' of Fig-Y. 3
- d. Analyze the importance of the mechanism that requires in the production of Fig-Y inside a flower. 4
4. ► In a water reservoir 'X' can prepare food. 'Z' acts as secondary consumer. Not only that there are also big sized fishes, zooplanktons and a hawk. There is also present uncountable number of 'K' for modifying different organic bodies into simple elements.
- a. What is germination? 1
- b. Why do last component of long food chain gets less amount of energy than of short one? 2
- c. Explain how energy flow is occurring from 'X' to big fishes through the mentioned organisms. 3
- d. 'K' helps to create that water reservoir as a potential self-supporting ecological unit-analyze. 4
5. ► From the Biology class Aritro came to know about Endocrine system. This system control and co-ordinate all the physiological functions. Without this system body cannot run properly. Thyroid problem and Diabetes are the diseases related to Endocrine system.

- a. What is Reflex action? 1
 - b. Why drugs has effect on co-ordination? 2
 - c. Describe the importance of the system mentioned in stem. 3
 - d. Describe the diseases mentioned in last line of stem. 4
6. ►

Fertilization

P

Placenta

Q

- a. What is puberty? 1
- b. Why AIDS is called killer disease? 2
- c. Write the significance of “P”? 3
- d. “For the development of the embryo, Q is the essential part”— Explain? 4

7. ★

Voluntary muscle

X

Involuntary muscle

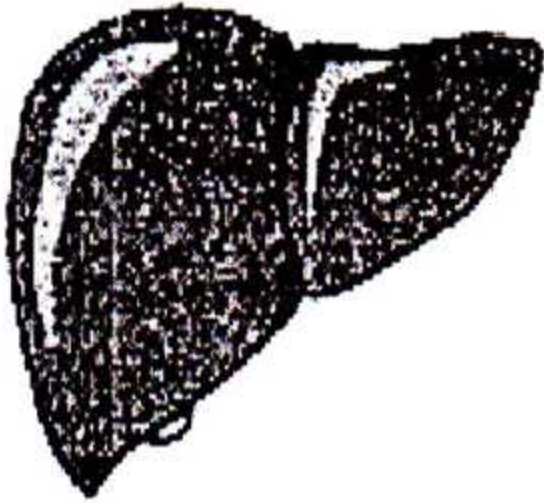
Y

Skeletal system

Z

- a. What is Tendon? 1
- b. Why Synovial joint is important? 2
- c. Describe the differences between X and Y. 3
- d. “The movement of the body depends on X and Z”—explain with example. 4

8. ►



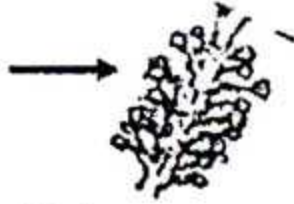
S



R

- a. What is Conjugation? 1
- b. Explain the importance of Microscope. 2
- c. Describe the structure of "R". 3
- d. Explain –Without "S" body cannot Run. 4

12. In this relationship —
 (a) Plants collect their food
 (b) Insects pollinate the flowers
 (c) Both of the organisms are damaged
 (d) Plants produces plantlets
13. What type of stamen is indicated through the figure ?



- (a) Monodelphous
 (b) Diadelphous
 (c) Polyadelphous
 (d) Syngenesions
14. Gonadotropic hormone secrete by —
 (a) Pituitary
 (b) Testis
 (c) Ovary
 (d) Placenta
15. Which help in muscular movement —
 (a) Ethanol
 (b) dopamine
 (c) Cytosine
 (d) Polypeptide
16. What is the number of cranial nerves in human?
 (a) 12 pairs
 (b) 22 pairs
 (c) 32 pairs
 (d) 42 pairs
17. Which one is true for ligament fiber?
 (a) Unbranched
 (b) Bundle
 (c) Cloth like
 (d) inelastic
18. The method removal of stone in kidney —
 (a) Ultrasonograph
 (b) Angeoplasty
 (c) Uterosopic

- (d) Bypass surgery
19. In which form carbon dioxide is transported maximum?
 (a) Carbonic acid
 (b) Carbamino
 (c) Bicarbonate
 (d) as carbon dioxide gas
20. ★ Which one is similar to Grape cluster?
 (a) Alvelous
 (b) Bronchus
 (c) Lungs
 (d) Diaphragm
21. Tunica media is a —
 (a) Covering
 (b) Valve
 (c) Aperture
 (d) cell organ
22. Stomach —
 i. Store food
 ii. secrete HCL
 iii. Digest carbohydrate
 Which one is correct?
 (a) i & ii
 (b) ii & iii
 (c) i & iii
 (d) i, ii & iii
23. ★ Which one is the example of Pseudo epithelial tissue?
 (a) Trachea
 (b) Intestine
 (c) Kidney
 (d) Skin
24. Which one is the example of Fungi?
 (a) Paramecium
 (b) Blue green algae
 (c) Penicillium
 (d) Diatom
25. Paleontology deals with —
 (a) fossils
 (b) fish
 (c) isects
 (d) cell

Ans.	1	(c)	2	(c)	3	(b)	4	(b)	5	(c)	6	(b)	7	(c)	8	(d)	9	(b)	10	(b)	11	(c)	12	(b)	13	(a)
	14	(c)	15	(b)	16	(a)	17	(c)	18	(c)	19	(c)	20	(a)	21	(a)	22	(a)	23	(a)	24	(c)	25	(a)		