MODEL PAPER - 1

Subject: General Science Paper - II (Biological Science)
Unit/Paper: 20 E/T
Class: X
Time: 2 hrs
Marks: 50

Weightage to Objective

Objective	Knowledge	Understanding	Application	Analysis	Evaluation	Creation	Total
% of Marks	20	25	20	15	10	10	100
Marks	10	12	10	8	5	5	50

Weightage to Form of Question

Forms of Questions	E/LA	SA	VSA	O (MCQ) - 1 Mark Qns	Total
No. of Questions	**2**	**5**	**4**	**6**	**17**
Marks Allotted	**16**	**20**	**8**	**6**	**50**
Estimated Time	**30 min**	**40 min**	**20 min**	**15 min**	**105 min**

Weightage to Chapters

S. No.	Unit/Sub-Units	Marks
1	Life Processes	18(4)
2	Control & Co-ordination	6(8)
3	How do organisms reproduce	6(8)
4	Heridity	10
5	Our Environment	10
Total		50 (20)

Note: 1. Total marks for Objectives and Chapters are constant as per weightage table.
2. Competencies/ objectives are not fixed for chapters. They may vary from paper to paper.
3. Type of question or choice is not fixed for any chapter.

Weightage to Major Content Areas

Schemes of Sections	4/ Sec-I (6 x 1M); Sec-II (4 x 2M); Sec-III (5 x 4M); Sec-IV (2 x 8M)
Pattern of Options	Q.No 12 in Sec-III and Q.No 16 and 17 in Sec-IV only have internal choice

Estimated Difficulty Level	**Difficult**	**20**	**% Marks**
	Average	**40**	**% Marks**
	Easy	**40**	**% Marks**

Index of Abbreviations

(E/LA: Essay/Long Answer; **SA:** Short Answer; **VSA:** Very Short Answer; **O:** Objective)

BLUE PRINT AND MODEL PAPER OF SSC PUBLIC EXAMINATION FOR THE ACADEMIC YEAR 2025-2026
BY THE DIRECTOR OF GOVT.EXAMINATIONS (SSC BOARD), A.P

MODEL PAPER - 1

BLUEPRINT

Subject: General Science paper -II (Biological Science) **Class: X**

Unit/Paper: 20E/ T **Max Marks: 50 M** **Time: 2 Hrs**

S. No.	Objective → / Form of Questions	Knowledge				Understanding				Application				Analysis				Evaluation				Creation				Total (Row-wise)
	Content Unit / Sub Unit	E/LA	SA	VSA	O	E/LA	SA	VSA	O	E/LA	SA	VSA	O	E/LA	SA	VSA	O	E/LA	SA	VSA	O	E/LA	SA	VSA	O	
1	Life Processes				(1) 1	(1)8		(1) 2			(1)* 4	(1)2							(1) 4						(1)1	18 (4)
2	Control & Co-ordination			(1) 2							(1) 4			(1)*8												6 (8)
3	How do organisms		(1) 4		(1)1	(1)* 8															(1) 1					6 (8)
4	Heridity				(2) 2									(1) 8												10
5	Our Environment							(1) 2			(1) 4												(1) 4			10
	Sub Total		(1) 4	(1) 2	(4) 4	(1) 8		(2) 4			(2) 8	(1) 2		(1) 8					(1) 4		(1) 1		(1) 4		(1) 1	
	Total (Col-wise) →	10 (Marks Total)				12(8) (Marks Total)				10(4) (Marks Total)				8(8) (Marks Total)				5 (Marks Total)				5 (Marks Total)				50(20)

Notes: Figures within brackets to indicate the number of questions and figures outside the brackets to indicate marks.
Denotes that marks have been combined to form one question.

Summary: Essay (E)	No.	2	**Marks:**	16
Short Answer (SA)	No.	5	**Marks:**	20
Very Short Answer (VSA)	No.	4	**Marks:**	8
Objective (0)	No.	6	**Marks:**	6

Steps: a, b, c, d, e, f, g, h, i, j

Pattern of Options Internal choice

Scheme of Sections IV

MODEL PAPER – 1 **20E**

SSC PUBLIC EXAMINATIONS 2025 - 26

GENERAL SCIENCE -PAPER-II

BIOLOGICAL SCIENCE

(ENGLISH VERSION)

Time : 2 Hours **Max. Marks : 50**

Instructions :

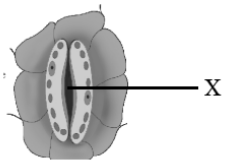
1. Question paper consists of 4 sections and 17 Questions.
2. Internal Choice is available only for Q.No. 12 in Section-III and for all the Questions in Section-IV.
3. In the duration of 2 hours, 15 minutes of time is allotted to read the Question paper.
4. All answers should be written in the answer booklet only.
5. Answer should be written neatly and legibly.

SECTION-I

Note : 1) Answer all the Questions.

2) Each question carries 1 mark. **(6 × 1 = 6 M)**

1. Write a slogan to create awareness about organ donation among the people.
2. Identify the part 'X' labelled in the following diagram.



3. Would you recommend vegetative propagation for growing fruit plants? Give reason.
4. Identify the animal which show regeneration ( )

   A) Yeast B) Hydra C) Amoeba D) Leishmania
5. Name two animals in which sex is not genetically determined.
6. Who proposed the laws of inheritance?

SECTION-II

Note : 1) Answer all the Questions.

2) Each question carries 2 marks. **(4 × 2 = 8 M)**

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7. What is synapse? Write its importance?
8. What precautions do you follow to escape from the dental caries?
9. Which organisms represents the producer and herbivore in the given food chain?

10. How is the amount of urine produced regulated?

SECTION-III

Note : 1) Answer all the Questions.

2) Each question carries 4 marks.

3) There is an internal choice in only the question number 12. **(5 × 4 = 20 M)**

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11. Compare the alveoli in the lungs and nephrons in the kidneys with respect to their structure and functioning.
12. Draw a neat labelled diagram of the following.

A) Nerve Cell

(OR)

B) Excretory system in human

13. How Can you help in reducing the problem of waste disposal? Give any two methods.
14. Write a short note about contraceptive methods.
15. What happens if predators are removed from an ecosystem? How it influences the organisms in the other trophic levels?

SECTION-IV

Note : 1) Answer all the Questions.

2) Each question carries 8 marks.

3) Each question has an internal choice. **(2 × 8 = 16 M)**

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16. A) Write the experimental procedure that you follow in your lab to prove the action of saliva on starch.

(OR)

B) Explain an activity to observe reproduction in yeast.

17. A) How does phototropism occurs in plants?

(OR)

B) How do Mendel's experiments show that traits may dominant or recessive?

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