



GOA BOARD OF SECONDARY AND HIGHER SECONDARY EDUCATION
ALTO BITIM - GOA 403 521

DESIGN OF THE QUESTION PAPER : FIRST

Class : XII - 2017-18 : FORMAT

Time : 7 Hrs

Subject : BIOLOGY

Max. Marks: 20

The weightage or the distribution of marks over different dimensions of the question paper shall be as follows:

1. Weightage to Learning Outcomes

S.No.	Learning Outcomes	Marks	Percentage of Marks
1.	Knowledge	07	35%
2.	Understanding	06	30%
3.	Application	05	25%
4.	Skill	02	10%
		20 Total	100%

2. Weightage to Content / Subject Units

S.No.	Units	Marks
1.	Reproduction in organisms	06
2.	Sexual reproduction in flowering plants	
3.	Human reproduction	
4.	Principles of inheritance & variations	05
5.	Ecosystem.	04
6.		
7.		
8.		
9.		
10.		
		Total 20

3. Weightage to Forms of Questions

S.No.	Form of Questions	Marks for each question	Number of questions	Total Marks
1.	Long Answer Type (LA)	—	—	—
2.	Short Answer Type (SA-I)	03	02	06
3.	Short Answer Type (SA-II)	02	05	10
4.	Very Short Answer Type (VSA)	01	04	04
		Total	11	20

The expected time for different types of question would be as follows:

S.No.	Form of Questions	Approx. time for each Question in mins (t)	Number of questions (n)	Approx. time for each form of Questions in mins (n x t)
1.	Long Answer Type (LA)	—	—	—
2.	Short Answer Type (SA-I)	10 min	02	2 × 10 min = 20
3.	Short Answer Type (SA-II)	05 "	05	5 × 5 min = 25
4.	Very Short Answer type (VSA)	02 "	04	4 × 2 min = 08
	Total			53 mins

As the total time is calculated on the basis of the number of questions required to be answered and the length of their anticipated answers, it would, therefore, be advisable for the candidates to budget their time properly by cutting out the superfluous words and be within the expected time limits.

4. Scheme of Options

(There will be no overall choice. However, there is an internal choice in 01 sub questions of 02 marks category and 01 subquestion of 03 marks category.)

5. Weightage to Difficulty level of questions:

S.No.	Estimated difficulty level of questions	Percentage
1.	Easy	30%
2.	Average	50%
3.	Difficulty	20%
		100%

The question paper will have three sections, A, B, & C

- Section A will have 04 questions of 01 mark each.
- Section B will have 05 questions of 02 marks each.
- Section C will have 02 questions of 03 marks each.

The questions shall be from all the chapters as specified above.

The total number of questions will be 11

Arshad
Signature of the Convener

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DESIGN OF THE QUESTION PAPER - SECOND
FORMATIVE

Class : XII

Time : 01 Hrs

Subject : BIOLOGY

Max. Marks: 20

The weightage or the distribution of marks over different dimensions of the question paper shall be as follows:

1. **Weightage to Learning Outcomes**

S.No.	Learning Outcomes	Marks	Percentage of Marks
1.	Knowledge	07	35%
2.	Understanding	06	30%
3.	Application	05	25%
4.	Skill	02	10%
		20 Total.	100%

2. **Weightage to Content / Subject Units**

S.No.	Units	Marks
1.	Reproductive Health	04
2.	Molecular Basis of Inheritance	05
3.	Biotechnology - Principles & Processes	04
4.	Biotechnology & its Applications	04
5.	Organism and Population	03
6.		
7.		
8.		
9.		
10.		
	Total	20

3. **Weightage to Forms of Questions**

S.No.	Form of Questions	Marks for each question	Number of questions	Total Marks
1.	Long Answer Type (LA)	-	-	-
2.	Short Answer Type (SA-I)	03	02	06
3.	Short Answer Type (SA-II)	02	05	10
4.	Very Short Answer Type (VSA)	01	04	04
	Total		11	20

The expected time for different types of question would be as follows:

S.No.	Form of Questions	Approx. time for each Question in mins (t)	Number of questions (n)	Approx. time for each form of Questions in mins (n x t)
1.	Long Answer Type (LA)	—	—	—
2.	Short Answer Type (SA-I)	10 min	02	$2 \times 10 \text{ min} = 20$
3.	Short Answer Type (SA-II)	05 "	05	$5 \times 05 " = 25$
4.	Very Short Answer type (VSA)	02 "	04	$4 \times 02 " = 08$
	Total			53 mins

As the total time is calculated on the basis of the number of questions required to be answered and the length of their anticipated answers, it would, therefore, be advisable for the candidates to budget their time properly by cutting out the superfluous words and be within the expected time limits.

4. Scheme of Options

(There will be no overall choice. However, there is an internal choice in 01 sub questions of 02 marks category and 01 subquestion of 03 marks category) _____ subquestion of _____ marks category.)

5. Weightage to Difficulty level of questions:

S.No.	Estimated difficulty level of questions	Percentage
1.	Easy	30%
2.	Average	50%
3.	Difficulty	20%

100%

6. The question paper will have three sections, A, B, & C.
- Section A will have 04 questions of 01 mark each.
 - Section B will have 05 questions of 02 marks each.
 - Section C will have 02 questions of 03 marks each.

The questions shall be from all the chapters as specified above.

The total number of questions will be 11

Signature of the Convener

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