



DESIGN OF THE QUESTION PAPER - FIRST  
MID TERM

Class : XI - 2017-18

Time : 1 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.	The Living World	03
2.	Biological Classification	03
3.	Plant Kingdom	05
4.	Cell cycle & Cell division	04
5.	Morphology of Flowering Plants	05
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 x 10 min = 20
3.	Short Answer Type (SA-II)	05 min	05	5 x 5 " = 25
4.	Very Short Answer type (VSA)	02 "	04	4 x 2 " = 08
	Total			

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

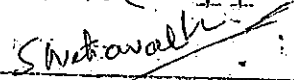
(There will be no overall choice. However, there is an internal choice in 01 sub questions of 02 marks category and 01 subquestion of 03 marks category \_\_\_ subquestion of \_\_\_ marks category.)

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

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 question paper and blue print by \_\_\_\_\_

will be 11  
  
 Signature of the Convener



DESIGN OF THE QUESTION PAPER - FIRST TERM

Class : XI - 2017-18

Time : 2 1/2 Hrs

Subject : BIOLOGY

Max. Marks: 55

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	19	35%
2.	Understanding	17	30%
3.	Application	13	25%
4.	Skill	06	10%
		55 Total	100%

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

S.No.	Units	Marks
1.	The Living world	03
2.	Biological Classification	04
3.	Plant Kingdom	05
4.	Animal Kingdom	07
5.	Morphology of Flowering Plants	06
6.	Anatomy of Flowering Plants	06
7.	Structural Organisation in Animals	07
8.	Cell - Unit of Life	06
9.	Biomolecules	06
10.	Cell Cycle & Cell Division	05
	Total	55

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)	04	02	08
2.	Short Answer Type (SA-I)	03	05	15
3.	Short Answer Type (SA-II)	02	11	22
4.	Very Short Answer Type (VSA)	01	10	10
	Total		28	55

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)	12	02	24
2.	Short Answer Type (SA-I)	08	05	40
3.	Short Answer Type (SA-II)	06	11	66
4.	Very Short Answer type (VSA)	02	10	20
	Total		28	150 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.

3. Scheme of Options

(There will be no overall choice. However, there is an internal choice in 02 sub questions of 04 marks category and 01 subquestion of 03 marks category @ 1 subquestion of 02 marks category.)

5. Weightage to Difficulty level of questions:

S.No.	Estimated difficulty level of questions	Percentage
1.	Easy	20%
2.	Average	60%
3.	Difficulty	20%

A question may vary in difficulty level from individual to individual. As such, the assessment in respect of each question will be made by the paper setter on the basis of general anticipation from the group as a whole taking the examination. This provision is only to make the paper balanced in its weightage, rather than to determine the pattern of marking at any stage.

6. Number of Main Questions :

There will be \_\_\_\_\_ main questions of \_\_\_\_\_ marks each.

Note : Please also submit the soft copy of design of question paper, model question paper and blue print by \_\_\_\_\_.

Signature of the Convener

6. The theory paper will be of 55 marks and 02½ hours duration

2. The questions will be from the content specified above:

3. The question paper shall have 04 sections, A, B, C and D.

• Section A will have 10 questions of 01 mark each

• Section B will have 11 questions of 02 marks each

• Section C will have 05 questions of 03 marks each

• Section D will have 02 questions of 04 marks each

The total number of questions will be 28

4. All questions will be compulsory

5. There will be no overall choice. However an internal choice has been provided in one question of Section B, one question of Section C and both the questions of Section D.

Shrivastava



DESIGN OF THE QUESTION PAPER - SECOND TERM

Class : XI - 2017-18

Time : 2 1/2 Hrs

Subject : BIOLOGY

Max. Marks: 55

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	19	35%
2.	Understanding	17	30%
3.	Application	13	25%
4.	Skill	06	10%
		55 Total	

2. Weightage to Content / Subject Units

S.No.	Units	Marks
1.	Morph. of Flowering Pts	04
2.	Struct. organisat <sup>n</sup> animal	04
3.	Cell cycle & cell division	03
4.	Transport in Plants	03
5.	Mineral Nutrition	02
6.	Plant Growth & Devpt.	02
7.	Photosynthesis	05
8.	Respiration in Pts	05
9.	Digestion & Absorpt <sup>n</sup>	04
10.	Breathing & Gas exchange	04
		Total
		56

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)	04	02	08
2.	Short Answer Type (SA-I)	03	05	15
3.	Short Answer Type (SA-II)	02	11	22
4.	Very Short Answer Type (VSA)	01	10	10
	Total		28	55

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)	12	02	24
2.	Short Answer Type (SA-I)	08	05	40
3.	Short Answer Type (SA-II)	06	11	66
4.	Very Short Answer type (VSA)	02	10	20
	Total		28	150 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 02 sub questions of 04 marks category and 01 subquestion of 03 marks category 01 subquestion of 02 marks category.)

5. Weightage to Difficulty level of questions:

S.No.	Estimated difficulty level of questions	Percentage
1.	Easy	20%
2.	Average	60%
3.	Difficulty	20%

A question may vary in difficulty level from individual to individual. As such, the assessment in respect of each question will be made by the paper setter on the basis of general anticipation from the group as a whole taking the examination. This provision is only to make the paper balanced in its weightage, rather than to determine the pattern of marking at any stage.

6. Number of Main Questions :

There will be \_\_\_\_\_ main questions of \_\_\_\_\_ marks each.

— CONTD. ON Pg 2

Note : Please also submit the soft copy of design of question paper, model question paper and blue print by \_\_\_\_\_.

Signature of the Convener

\*0\*0\*0\*0\*0\*0\*

1. The theory paper will be of 55 marks and 02½ hours duration.

2. The questions will be from the content specified above.

3. The question paper shall have 04 sections, A, B, C and D.

• Section A will have 10 questions of 01 mark each.

• Section B will have 11 questions of 02 marks each.

• Section C will have 05 questions of 03 marks each.

• Section D will have 02 questions of 04 marks each.

The total number of questions will be 28.

4. All questions will be compulsory.

5. There will be no overall choice. However an internal choice has been provided in one question of Section B, one question of Section C and both the questions of Section D.

Shivraj