



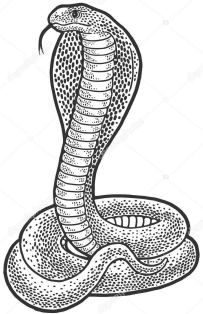

**Date: 30/08/22**  
**GRADE: XI**

**MONTHLY TEST -02(2022-23)**  
**BIOLOGY [044]**

**Max marks: 20**  
**Time: 1 Hour**

General Instructions:

1. All questions are compulsory.
2. The question paper has three sections and 7 questions.
3. Section–A has 3 questions of 2 marks each; Section–B has 3 questions of 3 marks each; and Section–C has a question of 5 marks.
4. There is no overall choice.

	SECTION A	Marks
1	The hibiscus flower is gamosepalous and polypetalous. Explain this statement.	2
2	Differentiate between homeotherms and poikilotherms.	2
3	With the help of a neat labelled diagram explain the regions of a root.	2
	SECTION B	
4	Briefly explain the different types of phyllotaxy.	3
5	Identify and name the class to which the below shown vertebrates belong to. State any two features of these two classes. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>(a)</p>  </div> <div style="text-align: center;"> <p>(b)</p>  </div> </div>	3

6	Complete the table on floral formula given below :	3										
	<table border="1"> <thead> <tr> <th>Letter /Symbol</th> <th>Denotes</th> </tr> </thead> <tbody> <tr> <td>C(3)</td> <td></td> </tr> <tr> <td>%</td> <td></td> </tr> <tr> <td>K</td> <td></td> </tr> <tr> <td><u>G</u></td> <td></td> </tr> </tbody> </table>	Letter /Symbol	Denotes	C(3)		%		K		<u>G</u>		
Letter /Symbol	Denotes											
C(3)												
%												
K												
<u>G</u>												
	SECTION C											
7.	<p>Explain the following terms briefly:</p> <p>(i)Reticulate venation</p> <p>(ii)Axile placentation</p> <p>(iii)Twisted aestivation</p> <p>(iv)Diadelphous stamens</p> <p>(v)Staminode</p>	5										