

**OLD**

**Part-II 3-Tier**

**2017**

**BIO-CHEMISTRY**

**(General)**

**PAPER—III**

**(PRACTICAL)**

*Full Marks : 100*

*Time : 6 Hours*

*The figures in the right-hand margin indicate full marks.*

*Answer all questions*

1. Estimate the ascorbic acid content in the supplied sample using 2,6-dichlorophenol indophenol. 20

*[Principle—2, Procedure—3, Result—10,  
Calculation—5, Level of Error upto 5%—10%]*

2. Identify the specific carbohydrate / amino acid / lipid present in supplied unknown sample by qualitative biochemical tests with confirmative test in details. 15

*[Sequential tests—8, Correct identification—3,  
Confirmatory test—4]*

*(Turn Over)*

3. Prepare Cellulose from supplied material. Write the procedure of the test. 20  
*[Procedure—6, Biochemical test—8, Correct preparation—6]*
4. Determine the saponification value of supplied edible oil. Mention the principle and procedure. 25  
*[Principle—2, Procedure—3, Result—15, Calculation—5, Minimum Error upto 5%—15 %]*
5. Viva-Voce. 10
6. Submission of Laboratory Note Book. 10  
*(duly signed by the class teacher)*
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