

2019
Part – II
BIO-TECHNOLOGY
(Honours)
Paper – V
(Practical)
Full Marks – 100
Time : 6 Hours

*The figures in the right-hand margin indicate marks.
Candidates are required to give their answers in
their own words as far as practicable.*

1. Estimate the total protein content of supplied sample by Lowry method. 4+7+4
[principle – 4, work and spot evaluation – 7, comment – 4]

2. Determine activity of supplied amylase solution. 5+10+7+3
[principle-5, work & spot evaluation – 10, std graph and calculation – 7, comment – 3]

3. Determine the Gram nature of the supplied bacterial sample. 4+6
[principle of standing – 4, work and spot evaluation – 6]
 4. Determine the sensitivity of supplied antibiotic through agar diffusion method. 5+5+5
[procedure – 5, work – 5, comment – 5]
 5. Determine the growth curve of supplied bacterial culture . 2+3+5+5
[procedure – 2, work and spot evaluation – 3, Result – 5, comment – 5]
 6. Laboratory Note Book. 10
 7. Viva-voce. 10
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