

**2013**

**P.G. Diploma in  
Quality Control and Assurance in  
Microbial Technology**

**PAPER—MT-105**

**(PRACTICAL)**

**Full Marks : 50**

**Time : 10 Hours**

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

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

- 1. Determine the quantity of bacteria in the supplied water sample using nutrient-agar media. 15**

*[ Procedure : 5, Result : 5, Comment : 5 ]*

- 2. Estimate the quantity of DNA present in the supplied bacterial sample. 10**

*[ Principle : 5, Result : 5 ]*

*(Turn Over)*

3. Find out the molecular weight of supplied protein sample by comparison with marker proteins using PAGE. 15

*[Principle : 5, Work : 5, Result : 5]*

4. Laboratory Note Book. 5

5. Viva-Voce. 5
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