

Q III A EXPLAIN ANY THREE OF THE FOLLOWING TERMS (06)

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| 1. Basic Chromophore groups | 2. Dye | 3. Anionic dyes |
| 4. Auxochrome group | 5. Chromogen | 6. Fixatives |

Q III B GIVE SIGNIFICANCE OF ANY ONE OF THE FOLLOWING (02)

1. Mordants.
2. Monochrome stains.

Q. III C ANSWER ANY TWO OF THE FOLLOWING (12)

1. Give a brief account on principle and procedure of the method to differentiate acid fast bacteria from a mixed suspension.
2. Explain different theories of staining.
3. Describe the principle and procedure of capsule staining.
4. Give brief account on Romanowsky stains.

Q IV WRITE SHORT NOTES ON ANY THREE THE FOLLOWING (15)

1. White biotechnology.
2. Structure of light.
3. Gram staining.
4. A new way of Zymotechnology to Biotechnology.
5. Role of mirrors.
6. Types of dyes.

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