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|---|---|----------------------|-----|-------|
| Name. _____   |   | Printed Pages:01     |     |       |
| Student Admn. No.: _____  |   |                      |     |       |
| <b>School of Allied Health Sciences _____</b><br><b>Back Paper Examination (Odd and Even Semester) – July - August 2024</b><br><b>[Programme: B Sc MLT ] [Semester: V ]</b> |   |                      |     |       |
| Course Title: BMLS5004  |   | Max Marks: 100       |     |       |
| Course Code: Applied Histopathology - II  |   | Time: 3 Hrs.         |     |       |
| <b>Instructions:</b>  | 1. All questions are compulsory.<br>2. Assume missing data suitably, if any.                                |                      |     |       |
|   |   | K Level              | COs | Marks |
| <b>SECTION-A (15 Marks)</b>   |   | <b>5 Marks each</b>  |     |       |
| 1.  | What is tissue processing?  | K1                   | CO1 | 5     |
| 2.  | Define the term Impregnation.   | K1                   | CO1 | 5     |
| 3.  | Illustrate vital staining with suitable example.  | K2                   | CO2 | 5     |
| <b>SECTION-B (40 Marks)</b>   |   | <b>10 Marks each</b> |     |       |
| 4.  | Demonstrate the purpose of Enzyme histochemistry.   | K2                   | CO3 | 10    |
| 5.  | Identify about various staining procedure for detection of fibers.  | K3                   | CO1 | 10    |
| 6.  | Identify the types of enzymes present in tissue sample.   | K3                   | CO2 | 10    |
| 7.  | Categorize the applications of FISH.  | K4                   | CO2 | 10    |
| <b>SECTION-C (45 Marks)</b>   |   | <b>15 Marks each</b> |     |       |
| 8.  | Distinguish the staining method to detect fungi from tissue sample.   | K4                   | CO1 | 15    |
| 9.  | Determine the special Gram staining technique only used in histopathology lab for bacterial identification. | K5                   | CO3 | 15    |
| 10  | Determine the applications of Electron microscopy.  | K5                   | CO3 | 15    |