**Blue print IMP code 106**

**Total 100 marks according to the new regulation 2023**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Topics | Hours | Weight | Total marks in midterm and end module  60 marks | Total Midterm  20 marks | Total End module  40 marks  MCQs+SAQs  32+. 8 | |
| Microbiology |  |  | 41 marks | 15  Marks | 20  Marks MCQs | 6  Marks SAQ |
|  |  |  |  |  |  |  |
| 1. Introduction | **1** | **2.5%** | 2 | 2 |  |  |
| 1. An overview of bacteriology | **3** | **7.5%** | 5 | 4 | 1 |  |
| 1. Nutrition, Growth and Energy Metabolism | **1** | **2.5%** | 2 | 1 | 1 |  |
| 1. Bacteriophages | **1** | **2.5%** | 2 | 1 | 1 |  |
| 1. Bacterial genetics | **1** | **2.5%** | 2 | 1 | 1 |  |
| 1. Bacterial Mutation and Gene Transfer | **2** | **5%** | 3 | 2 | 1 |  |
| 1. Antibiotics | **3** | **7.5%** | 5 | 4 | 1 |  |
| 1. Sterilization and disinfection | **2** | **5%** | 4 | 3 | 1 |  |
| 1. General aspects of bacterial pathogenesis | **2** | **5%** | 2 | 1 | 1 |  |
| 1. Normal flora of humans | **1** | **2.5%** | 1 | 1 | 0 |  |
| 1. Introduction to virology | **3** | **7.5%** | 5 |  | 3 | 2 |
| 1. Mycology | **2** | **5%** | 4 |  | 2 | 2 |
| 1. Infection control | **2** | **5%** | 4 |  | 2 | 2 |
| Parasitology |  |  | 19  Marks | 5  Marks | 12  marks | 2 marks |
| 1. Introduction | **2** | **5%** | 2 | 2 |  |  |
| 1. Trematoda | **2** | **5%** | 2 | 1 |  | 1 |
| 1. -Intestinal cestoda - Extra intestinal larval cestoda | **2** | **5%** | 2 | 1 | 1 |  |
| 1. Intestinal & Tissue nematode | **2** | **5%** | 3 | 1 | 2 |  |
| 1. amoeba | **2** | **5%** | 3 |  | 2 | 1 |
| 1. intestinal Urogenital and blood flagellates | **2** | **5%** | 3 |  | 3 |  |
| 1. Sporozoa | **2** | **5%** | 2 |  | 2 |  |
| 1. Arthropode(insect, Arachnida Crustacea | **2** | **5%** | 2 |  | 2 |  |

Head of Microbiology department

Prof Dr Mona Gharib

**Distribution of marks**

**Total Marks 100**

**According to the new regulations**

**Microbiology 65% and Parasitology 35%**

1. **Mid term 20 marks**

**Microbiology MCQS 15 marks**

**Parasitology MCQS 5 Marks**

1. **End module: Total 40 marks**

**Microbiology MCQS 20 marks and Essays : 6 marks**

**Parasitology MCQS 12 marks and Essays :2 marks**

1. **Practical OSPE :Total 30 marks**

**20 marks Microbiology ( 12 electronic , 8 practical ) and 10 marks Parasitology ( 6 electronic , 4 practical )**

1. **Assessment: total 10 marks**