Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov/Dec – 2017**

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| **Code :** | **15BT3007** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BACTERIOLOGY MYCOLOGY PARASITOLOGY** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1. | a. | Define Microbiology. | CO1 | 2 |
|  | b. | Write short notes on i. bacteriology ii. Mycology iii. parasitology iv. commensal and v. selective media with example. | CO1 | 3+3+3  3+3 |
|  | c. | Illustrate in brief about the various commensal microflora of our human body | CO1 | 3 |
| (OR) | | | | |
| 2. | a. | Summarizes the morphology, optimum media for growth ,biochemical reaction, toxins produced, diagnosis and treatment of Staphylococcus and Streptococcus with illustration. | CO2 | 10 |
| b. | Explain in detail about the etiology for dreadful diseases like Meningitis and Gonorrhoea with a neat diagram. | CO2 | 10 |
| 3. | a. | Summarize the following  i. Sepsis ii. Capsule iii. Impetigo iv. Meningitis | CO1 | 10 |
|  | b. | Explain the beneficial and harmful effects of Human microbiome and add a note on the morphology, toxins produced, diagnosis and treatment of Cornybacterium diptheriae. | CO2 | 10 |
| (OR) | | | | |
| 4. |  | Illustrate the mode of action for natural and synthetic antibiotics by taking four common examples of antimicrobial agents. | CO2 | 20 |
| 5. |  | Tabulate the morphology, optimum media for growth ,biochemical reaction, toxins produced, diagnosis and treatment of Mycoplasma, Actinomycetes & Miscellaneous bacteria with a neat sketch. | CO2 | 20 |
| (OR) | | | | |
| 6. |  | Discriminate the difference in appearance, essential nutrient media, biochemical reactions, toxins produced, investigation and therapy of Vibrio cholera, Pseudomonas aeruginosa, mycobacterium tuberculosis with a neat portrayal. | CO2 | 20 |
| 7. | a. | Describe the common causative agents and common types of nosocomial infection, its diagnosis and treatment. | CO3 | 10 |
|  | b. | Summarize the Intestinal and Urogenital parasites with a clear diagram | CO3 | 10 |
| (OR) | | | | |
| 8. |  | Add a detailed account on specimen collection from different parts of our body and processing in microbiology for pathogenic infection. | CO3 | 20 |
|  | | Compulsory: |  |  |
| 9. |  | Mention the Fungal classification and describe about general characteristics, clinical features, diagnosis and treatment of mycoses such as i. Cutaneous mycosis ii. Subcutaneous mycosis iii. Superficial mycosis iv. Systemic mycosis v. Opportunistic mycosis. | CO3 | 20 |

ALL THE BEST