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

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**End Semester Examination – Nov/Dec – 2018**

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| |  |  |  |  | | --- | --- | --- | --- | | **Code :** | **15BT3007** | **Duration :** | **3hrs** | | **Sub. Name :** | **BACTERIOLOGY, MYCOLOGY AND 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. | Appraise the history and development of medical microbiology with suitable illustrations. | CO1 | 15 |
| b. | Define binomial classification and categories the classification of microorganisms with suitable example. | CO1 | 5 |
| (OR) | | | | |
| 2. | a. | Elaborate the details of morphology, cultural, pathogenecity, lab diagnosis and treatment of *Staphylococcus aureus.* | CO2 | 15 |
| b. | Write the mode of action of cholera toxin. | CO1 | 5 |
|  |  |  |  |  |
| 3. | a. | Summarize the common causative agents and common types of nosocomial infection, its pathogenecity, diagnosis and treatment. | CO2 | 12 |
| b. | Give a detailed account on specimen collection and processing in microbiology for pathogenic infection. | CO3 | 8 |
| (OR) | | | | |
| 4. |  | Narrate the features of morphology, cultural, pathogenecity, lab diagnosis and treatment of tuberculosis causing acid fast bacteria. | CO2 | 20 |
|  |  |  |  |  |
| 5. |  | Write a note on mode of action of following antimicrobial agents:  a. Streptomycin b. Quinolones c. Acyclovir d. Mebendazole | CO3 | 20 |
| (OR) | | | | |
| 6. | a. | Illustrate about general characteristics, clinical features, diagnosis and treatment of Opportunistic mycosis – *Candida albicans.* | CO2 | 15 |
| b. | Predict the beneficial and harmful effects of human microbiome. | CO1 | 5 |
|  |  |  |  |  |
| 7. |  | Describe the mode of transmission, life cycle, diagnosis and treatment of amoebiasis causing intestinal protozoan, *Entamoeba histolytica.* | CO2 | 20 |
| (OR) | | | | |
| 8. | a. | Describe in detail about normal microbial flora of human body and host-microbe interaction? | CO1 | 10 |
| b. | Demonstrate the various techniques for the identification of pathogenic parasites causing infection. | CO3 | 10 |
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|  | | **Compulsory**: |  |  |
| 9. |  | Explain the life cycle, pathogenesis, laboratory diagnosis and control measures of malarial parasites with neat illustrations. | CO3 | 20 |