

[LA 808]

APRIL 2012

Sub. Code: 3808

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**SECOND YEAR****PAPER II – PHARMACEUTICAL MICROBIOLOGY***Q.P. Code: 383808***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :****Pages Time Marks
(Max.) (Max.) (Max.)**

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| 1. a) Outline the factors affecting the disinfectant action. | | | |
| b) Write in detail about Western blot techniques? | 17 | 40 min. | 20 |
| 2. a) Elaborate on the microbial assay of riboflavin and cyanocobalamine. | | | |
| b) Write in brief about type of culture media | 17 | 40 min. | 20 |

II. Write notes on :

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| 1. Discuss the technique involved in Isolation of pure culture | 4 | 10 min. | 6 |
| 2. Write on widal test and Mantoux test | 4 | 10 min. | 6 |
| 3. Classify the various process under moist heat sterilization | 4 | 10 min. | 6 |
| 4. Reproduction of bacteria | 4 | 10 min. | 6 |
| 5. What you know about HEPA filter | 4 | 10 min. | 6 |
| 6. Write the principle and procedure of gram staining technique | 4 | 10 min. | 6 |
| 7. Differentiate between exotoxin and endotoxin | 4 | 10 min. | 6 |
| 8. Outline the immunization chart | 4 | 10 min. | 6 |
| 9. Write on aerobic and anaerobic fungi | 4 | 10 min. | 6 |
| 10. Discuss about carbon source and energy source. | 4 | 10 min. | 6 |
