

P49/HSC285/EE/20160523

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Name any four equipment in Microbiology lab. 5
 - b) What is hardness test? 5
 - c) Write type of micro organisms. 5
 - d) Write any two method of Chemical Sterilization. 5
 - e) What is calibration? 5

2. Solve any **four** sub-questions.
 - a) Climatic zones are related to which study? 5
 - b) What is FAT of machine? 5
 - c) What is mean by obsolete document? 5
 - d) What is Schedule “M” of D and C Act.1940? 5
 - e) What use of HPLC in QC? 5

3. Solve any **four** sub-questions.
- a) Write note on Reference Standard. 5
 - b) Name the instruments used in Microbiology Lab. 5
 - c) Write precaution taken during handling of Microbiology instruments. 5
 - d) Write note on moist heat sterilization. 5
 - e) Write note on Validation report. 5
4. Solve any **four** sub-questions.
- a) Write note on photo stability testing. 5
 - b) Describe the sampling of Raw Material. 5
 - c) Describe the sterilization in details. 5
 - d) Describe the minimum documents required for WHO-GMP. 5
 - e) Describe the term GLP. 5

