

M. Pharm. Second Semester (Quality Assurance)  
**35239 : Biological Evaluation and Standardization : MQA 202**

P. Pages : 1

Time : Three Hours



**AU - 0744**

Max. Marks : 70

- Notes :
1. All question carry equal marks.
  2. Answer **any five** question.
  3. Assume suitable data wherever necessary.
  4. Illustrate your answer necessary with the help of neat sketches.

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| 1. | Discuss different regulations and ethical requirements for laboratory animal care. | 14 |
| 2. | a) Give the correlation between animal models and human situations.                | 7  |
|    | b) Explain neuropharmacological screening of sedatives.                            | 7  |
| 3. | State the toxicity testing of drugs with its applications.                         | 14 |
| 4. | Explain the methods for determination of microbial counts and bioburden.           | 14 |
| 5. | a) Explain microbial assay of any one antibiotic.                                  | 7  |
|    | b) Write a note on skin sensitization toxicity testing of drugs.                   | 7  |
| 6. | Discuss clinical trials for dosage forms and drugs.                                | 14 |
| 7. | Write short notes on <b>any two</b> .  | 14 |
|    | a) Thermal analysis of drug.   |    |
|    | b) Standardization of cosmetic products.   |    |
|    | c) Microbiological assay of vitamins.  |    |

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