

THE UNIVERSITY OF LEEDS

Examination for the Degree of B.Sc.

(June 1959)

PHARMACOLOGY (PAPER I)

Time allowed : 3 hours

*Attempt three questions*

1. What do you understand by the terms : (a) all-or-none response ; (b) idiosyncrasy ; (c) random sample ; (d) cumulation ; (e) tachyphylaxis ? Illustrate your answer with examples.
2. Discuss the factors which may influence the duration of action of a drug.
3. A new drug is shown to depress transmission in autonomic ganglia. How would you determine the mode of action, the duration of action, and the potency of the drug ? What especial features would you consider necessary to justify a trial of the drug for the treatment of hypertension in man ?
4. Outline some of the hazards concerned with the extrapolation to man of results obtained from experiments with drugs in other animal species.