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.