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### **Contributors**

Coulter, R. A. S.  
Ironside, William James.  
Royal College of Veterinary Surgeons.

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183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
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# Royal College of Veterinary Surgeons

THIRD EXAMINATION—DECEMBER 2, 1943

## PHARMACOLOGY AND THERAPEUTICS, TOXICOLOGY, PHARMACY

*Examiners :*

R. A. S. COULTER, M.R.C.V.S., L.P.S.I.

W. J. IRONSIDE, M.R.C.V.S., M.P.S.

Time: 10 a.m. to 1 p.m.

*Six Questions only to be answered.*

- ✓ 1. Define the following and give two examples of each: soporific, mydriatic, keratolytic, antisialic, vesical sedative, emollient.
- ✓ 2. Describe in full *one* method of using each of the following agents and state what purpose may be served by the use: Aloes, Atropin. Sulph., Antim. et Pot. Tart.
- ✓ 3. Explain the condition of incompatibility and illustrate your explanation by examples.
4. Give your grounds for justifying, modifying, or condemning the procedure outlined in each of the following cases: (a) The administration twice a day to a horse of one fluid ounce of a mixture consisting of Liq. Adren. Hydrochlor. 2 fl. oz., Spt. Aether. Nit. 6 fl. oz., Aq. ad 12 fl. oz. for the purpose of controlling haemorrhage in the small intestine. (b) The administration once a day to a fox terrier of a powder containing Sulphanilamid. gr. 10, Sod. Bicarb. gr. 20, Sod. Sulph. gr. 20 for the purpose of relieving a state of well-marked fever.
5. In respect of the following give an account of the characters, methods of use, and, where applicable, dosage for horse, ox, and dog: Calcium Carbonate, Sodium Iodide, Thymol, Brilliant Green.
- ✓ 6. For each of the following purposes in the cow name an agent or combination of agents that may be used and give full directions as to its use: To raise the blood volume. To raise the R.B.C. content of the blood. To raise the magnesium content of the blood.
- ✓ 7. Discuss briefly the pharmacology of Rhubarb, Chloretone, Calumba. (bitter). *1 unit - 1/2 ounce used*
- ✓ 8. Explain the toxic effect of phosphorus and give any antidotal measures that may be applied in phosphorus poisoning.