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8th March, 1983.

Dr. J.L.H. Laity,
Senior Lecturer,
Department of Pharmacology,
Charing Cross Medical School,
St. Dunstan Road,
London W6 8RP.

Dear Dr. Laity,

These are the scripts for the trial exam. One candidate failed to turn up, without explanation.

I look forward to hearing from you as soon as you have had chance to read them.

Yours sincerely,



Dr. Liz Dean,
Department of Nursing Studies.

PATHOLOGY AND THERAPEUTICS

B.Sc. Nursing Studies Course.

7th March, 1983. 10.a.m.-1 p.m.

Answer FOUR questions. Allow 45 minutes for each answer.

1. What is meant by the pathological term "myocardial infarction"?
What social, psychological and pathological factors contribute to the risk of suffering a heart attack?
What emergency medical treatment may be administered to a person thought to be suffering from a heart attack? Briefly explain the rationale of such treatment.
2. Describe the effects of alcohol on the human body. What pathological conditions occur as a result of chronic, excessive alcohol intake?
How is drug metabolism altered in chronic alcoholism?
What medical and psychiatric treatment can be offered to patients who are chronic alcoholics?
3. Write notes on three of the following: (Your answer should contain comments on long-term side-effects or contraindications to usage)
 - (a) The contraceptive pill.
 - (b) Preparations of iron.
 - (c) Aspirin.
 - (d) Anticoagulant therapy.
4. What is depression? What are the psychological, social and medical factors that can cause or exacerbate depression?
Describe the groups of drugs that can be used to alleviate depression. Make sure that you comment on possible side-effects and special precautions associated with the use of these drugs.
5. Describe the effects of untreated prostatic hypertrophy on the genito-urinary system.
What symptoms is a patient suffering from "prostatism" likely to experience?
Describe briefly one antibiotic suitable for use in the treatment of urinary tract infection.
Describe briefly the use of oestrogens in the treatment of carcinoma of the prostate.

6. Describe the distinction between "maturity onset" and "insulin-dependent" diabetes mellitus.
Describe the medication that is used to treat each type, and the rationale of such treatment.
What factors may lead to the occurrence of hypoglycaemia?
What symptoms may the patient experience with hypoglycaemia?
How is their condition reversed?

7. Write notes on three of the following:

- (a) the electrocardiogram (E.C.G.)
- (b) the chest X-Ray (C.X.R.)
- (c) intravenous pyelogram (I.V.P.)
- (d) endoscopy (fibroscopy)
- (e) barium meal.