SAMPLE QUESTIONS FOR FCP PART I

1. Which neurotransmitter is responsible for increasing intraneuronal cyclic AMP levels?
   a. Acetylcholine
   b. Dopamine
   c. Norepinephrine
   d. Serotonin
   e. Aspartate

   Correct answer: d

2. Which part of the nephron contains carbonic anhydrase for control of acid base?
   a. Ascending limb of the loop of Henle
   b. Distal tubule
   c. Cortical collecting duct
   d. Proximal tubule
   e. Descending limb of loop of Henle

   Correct answer: d

3. Which form of haemoglobin is most likely to polymerize and become insoluble when deoxygenated?
   a. Haemoglobin A\textsubscript{7}
   b. Haemoglobin F
   c. Haemoglobin S
   d. Haemoglobin C
   e. Haemoglobin AS

   Correct answer: c

4. What type of sample distribution is required in order to use a T-test?
   a. Distribution showed to the right
   b. Distribution showed to the left
   c. Normal distribution
   d. Distribution with a narrow confidence interval
   e. Distribution with a wide confidence interval

   Correct answer: c

5. What cell structure forms the spindle along which chromosomes move during mitosis?
   a. Microfilaments
   b. Microtubules
   c. Intermediate filaments
   d. Myosin fibres
   e. Actin fibres

   Correct answer: b