

2013/14 Batch

Pharmacology Tutorial

Pharmacodynamics

18.12.2017 – 10.00 a.m. to 12.00 noon

1. Explain the basis of the following clinical situations
 - 1.1 A patient receiving morphine tablets twice a day for three months for cancer-related pain notices that the pain relief becomes progressively inadequate.
 - 1.2 A patient develops a generalized skin rash, wheezing and fainting after receiving an injection of benzyl penicillin.
2. Draw semi-logarithmic dose-response curves for the following situations
 - 2.1 Full agonist
 - 2.2 Partial agonist
 - 2.3 Inverse agonist
 - 2.4 Full agonist in the presence of a fixed amount of competitive antagonist
 - 2.5 Full agonist in the presence of a fixed amount of non-competitive antagonist
 - 2.6 Full agonist in the presence of a fixed amount of partial agonist