

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2018-2019)
SECOND YEAR
PAPER I – PHARMACOLOGY – I

Time: Three hours

Q.P. Code: 525061

Maximum : 40 Marks

Answer All Questions

I. Elaborate on:

(1 x 10 = 10)

1. A 49 years old male is brought to the emergency dept with symptoms suggestive of classic angina.
 - a. What are the various classes of drugs useful to treat the above patient?
 - b. Discuss in detail with suitable diagram on the mechanism of vascular smooth muscle relaxant effect of nitrates and its therapeutic uses.
 - c. Add a note on Nicorandil.

II. Write notes on:

(6 x 4 = 24)

1. Enumerate atypical antidepressants. Discuss their mechanism of action and clinical uses.
2. Write in detail on transdermal therapeutic system with examples, advantages and disadvantages.
3. Write in detail on erythrocyte maturation factors and their role on treatment of anemia.
4. Probenecid.
5. Ketamine.
6. Nicotinic acid.

III. Short answers on:

(6 x 1 = 6)

1. Eprosartan and the mechanisms by which it lowers the blood pressure.
2. Cilostazol.
3. Side effects of potassium channel blockers used in the treatment of cardiac arrhythmias.
4. EMLA.
5. Phase III clinical trial.
6. Define tachyphylaxis. Give examples.