

Date: 31-12-2013

1213 E004

Second Year MBBS Examination

II MBBS Pharmacology Paper 1

Time: 2 hours

Max Marks: 40

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

1. Give an account of any TWO of the following (10)

- a) Describe bioavailability. Discuss the factor affecting same. (A. 16, B. 11,12)
- b) Describe therapeutic uses, adverse effects and contraindications of propranolol. (A.146,149,8.275-277)
- c) Describe mechanism of action,

therapeutic uses & adverse effects of diazepam. (A.402,405,407,8.109-111)

2. Write Short notes of (any three) (12)

a) Therapeutic drug monitoring (A.34, B.24)

b) Explain pharmacological basis for the use of adrenaline in anaphylactic shock (A.87, 8.318)

c) Describe mechanism of action and adverse effects of phenytoin sodium (A. 413, B. 127)

d) Second generation (Newer) Antihistaminics (A. 166, B. 320, 324)

3. Discuss Any Three (12)

a) Mucolytic agents (A. 219, B. 352)

b) Therapeutic uses of aspirin (A. 198, B. 169)

c) High-ceiling diuretics (A. 579, B. 556)

d) Selective serotonin reuptake inhibitors as antidepressant agents (A. 460, B. 208)

4. Write Answer to the point in two or three sentences; (any six) (6)

- a) Why Neostigmine is preferred for use in myasthenia gravis? (A. 109, B. 285)**
 - b) Why should not Vitamin B complex supplements be prescribed with Levodopa monotherapy in Parkinsonism? (A. 429, B. 228)**
 - c) Why is morphine contraindicated in head injury? (A. 474, B. 152)**
 - d) Compare and contrast dopamine and dobutamine. (A. 134, B. 264)**
 - e) How is pilocarpine is useful in wide angle Glaucoma? (A. 155, B. 1028)**
 - f) Explain why disulfiram is used in chronic alcohol addiction? (A. 394, B. 90)**
 - g) Explain the phenomenon of redistribution using a suitable example. (A. 18, 8.102)**
 - h) Explain the role of glycopyrrolate as a pre-anesthetic medication. (A. 386, 8.106)**
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