MA-MPL-102-T   Seat No. _____

M. Pharm. (Pharmacology) (Sem. I) (CBCS) Examination

December – 2017

MPL-102T : Advanced Phamacology - I

Time : **3** Hours]   [Total Marks : **75**

Instructions : (1)   Figures to the right indicates full marks.

(2)   Draw neat and clean diagram when required.

1   Answer the following questions :   10×2=20

(a)   Name two highly protein bound drugs.

(b)   Mention the mechanism and use of Edrophonium.

(c)   Write the mechanism and use of Pilocarpine.

(d)   Write the mechanism and use of Terbutaline.

(e)   Mention mechanism and use of Amitryptilline.

(f)   Briefly write mechanism and use of Ibuprofen.

(g)   Mention mechanism and use of Clopidogrel.

(h)   Write mechanism and use of Bosentan.

(i)   Mention mechanism and use of Ondansetron.

(j)   Mention mechanism and use of Cinnarizine.

2   Answer any **two** out of the following :   2×10=20

(a)   Explain the pharmacology of Dobutamine and Ropinirole.

(b)   Classify anti-depressants. Explain the pharmacology of SSRIs.

(c)   Classify opioid analgesics. Write in detail pharmacology of Morphine.

3   Answer any **seven** out of the following :   7×5=35

(a)   Explain the pharmacology of Prostaglandins

(b)   Classify Anti-psychotics. Write the mechanism of Atypical antipsychotics.

(c)   Explain pharmacology of potassium sparing diuretics.

(d)   Classify anti-coagulants. Write the pharmacology of Warfarin.

(e)   Classify beta blockers. Write the pharmacology of Propranolol.

(f)   Discuss various process of biotransformation of drugs.

(g)   Explain in detail about G-protein coupled receptors.

(h)   Classify anti-histaminics. Write the pharmacology of Cetirizine.

(i)   Classify anti-epileptics. Explain mechanism of Gabapentin and Phenytoin.

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