

Hemchandracharya North Gujarat University, Patan  
Master of Vocation

'Pharmaceutical Chemistry' Semester - I

END TERM Examination, January, 2019

Subject: Advanced Pharmacology-I (MPC-102)

Time: 2 hrs

Date: 28/01/2019

Maximum marks: 50

**Q.1 Answer any 9 questions. Each question carries 1 mark (9\*1=9Marks)**

- Which of the following drug are General Anaesthetics: -  
(a) Citalopram (b) Nitrous Oxide  
(c) Morphine (d) Both B & C
- What is the meaning of Epileptogenesis?
- Give definition of Autacoids?
- Match the following Receptor details.  

I	II
(a) GABA <sub>a</sub>	(P) Serotonins
(b) Histamine	(Q) Have negligible role
(c) GABA <sub>b</sub>	(R) $\alpha$ and $\beta$ units
- Low secretion of dopamine is responsible for the \_\_\_\_\_  
(a) Parkinson's disease (b) Acts as vasodilator  
(c) Both a & b (d) None of above
- Which of the following type of symptoms are seen in Epilepsy: -  
(a) Jerking (b) Excitation  
(c) Moving (d) All
- What is GABA<sub>a</sub> receptor?
- What is Automaticity?
- Match the following.  

I (Diseases)	II (Treatments)
(a) Epilepsy	(P) Lithium salts
(b) Mania	(Q) Fluvoxamine
(c) Depressant	(R) Ketogenic diet
- Full form of SNRI<sub>s</sub>?

**Q. 2 Answer any 5 questions. Each question carries 4 marks (5\*4=20 Marks)**

- Explain in brief about the various stages involved in Local Anaesthetics.
- Explain in detail about Haematinics.
- Draw only a flow chart of Allergic reaction.
- Short not on steps involved in neurotransmission.
- What is Autacoid? Give a brief note on Synthesis and storage of Histamine.
- Classification of General Anaesthetics.

**Q.3 Answer any 3 questions. The question carries 07 marks (3\*7=21 Marks)**

- Give a detail note of Monoamine Hypothesis.
- Role of Renin Angiotensin System in case of BP.
- Give a detail note on Sedatives and Hypnotics.
- Neurohumoral transmission in ANS.