

Seat Number

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वलय - 019



**BP 404**  
**Pharmacology-I**  
**(724404)**

S-19

P. Pages : 3

Time : Three Hours

Max. Marks : 75

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.

1. Multiple choice questions.

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- 1) The drugs/drugs used mainly for induction of general anaesthesia is/are.  
a) Thiopentone sodium      b) Fentanyl – droperidol  
c) Ketamine      d) All of the above
- 2) If an agonist can produce submaximal effects and has moderate efficacy it's called:  
a) Partial agonist      b) Antagonist  
c) Agonist-antagonist      d) Full agonist
- 3) A chemical applied to a physiological system that affects its function in a specific way is called.  
a) Drug      b) Food  
c) Enzyme      d) Hormone
- 4) Drug act on target proteins namely.  
a) Receptors      b) Enzymes  
c) Carriers      d) All of the above
- 5) Ligand is an agonist because when it is bound the receptor tends to become.  
a) Activated      b) Deactivated  
c) Not affected      d) Reduced
- 6) Following is Nicotinic Ach receptor agonist.  
a) Vareniclin      b) Isoprenaline  
c) Histamine      d) Morphine
- 7) Following is voltage gated  $\text{Na}^+$  channel blocker.  
a) Histamine      b) Aspirin  
c) Cocaine      d) Local anaesthetics

- 8) Following is acetylcholinesterase inhibitor.
  - a) Aspirin
  - b) Dopamine
  - c) Neostigmine
  - d) Omeprazole
- 9) Ligand gated ion channels are sometimes called as
  - a) Ionotropic receptors
  - b) GPCR
  - c) Transport proteins
  - d) None of the above
- 10) Decrease in pharmacological effect on repeated administration of a drug is
  - a) Dependence
  - b) Tolerance
  - c) Addiction
  - d) Allergy
- 11) What kind of substances can't permeate membranes by passive diffusion?
  - a) Lipid-soluble
  - b) Non-ionized substances
  - c) Hydrophobic substances
  - d) Hydrophilic substances
- 12) Which route & drug administration is most likely to lead to the first pass effect?
  - a) Sublingual
  - b) Oral
  - c) Intravenous
  - d) Intramuscular
- 13) Local anesthetics are
  - a) Weak bases
  - b) Weak acids
  - c) Salts
  - d) None of the above
- 14) Which phase of clinical trial is performed in healthy subject.
  - a) Phase – I
  - b) Phase – II
  - c) Phase – III
  - d) Phase – IV
- 15) Paracetamol is marketed as
  - a) Dolopar
  - b) Calpol
  - c) Pacimol
  - d) All of the above
- 16) Serotonin is also known as.
  - a) Dopamine
  - b) 5-HT
  - c) 5-HETE
  - d) ROS
- 17) The term cancer means.
  - a) Cell division
  - b) Out of control
  - c) Crab
  - d) Lobster
- 18) Myelin sheath is insulating layer of
  - a) Nerves
  - b) Bones
  - c) Cartilage
  - d) Blood vessels
- 19) G protein coupled receptors span the plasma membrane as bundle of alpha helices.
  - a) One
  - b) Three
  - c) Seven
  - d) Ten

