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B.PHARM
PH.7.2**7th Semester Regular / Back Examination 2016-17****PHARMACOLOGY- III****BRANCH: PHARMACY****Time: 3 Hours****Max Marks: 70****Q.CODE: Y136**

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

Q1 Answer the following questions: (2 x 10)

- Write the difference between chemotherapeutic agent and antibiotic with suitable example, write the example of first chemotherapeutic agent
- Write the difference between immediate type and delayed type of hypersensitivity reaction and mention which drug produces these type of adverse effect
- Write the drug produces disulfiram like reaction and explain its mechanism and use
- What is prokinetic agent? Write its use and adverse effect
- Justify why sulfadruugs are not recommended for children
- Write at least two antibacterial agent which inhibits protein synthesis
- Give atleast two example of neuraminidase inhibitor and write its adverse effect
- What is aminoglycoside antibiotics? Write its mechanism and adverse effect
- What is the difference between fluoroquinolones and quinolones, write its mechanism
- Write the mechanism and adverse effect of artesunate

Q2 a) Explain the mechanism of insulin secretion and classify anti-diabetic drug. (5)**b) Describe the pharmacology of insulin secretagogues agent. (5)****Q3 a) Classify the drugs used in cancer chemotherapy with example. (5)****b) Discuss the mechanism and adverse effect of anti-metabolites. (5)**

Q4 Discuss the mechanism and factors involved in vomiting. Classify anti-emetics with example. Discuss their mechanism and adverse effect. **(10)**

Q5 a) Classify anti-HIV agent with suitable example. **(5)**

b) Discuss the mechanism and adverse effect of reverse transcriptase inhibitor in detail. **(5)**

Q6 a) Mention the hormones secreted from the hypothalamus and pituitary glands. **(5)**

b) Write in detail the physiological function and therapeutic uses of growth hormones. **(5)**

Q7 a) Discuss the general principle of treatment of poisoning. **(5)**

b) Write a note on organophosphorous and barbiturate poisoning. **(5)**

Q8 Write short notes on ANY TWO: (5 x 2)

- a)** Proton pump inhibitor
- b)** Glucocorticoids
- c)** Blood schizonticidal agent
- d)** Heavy metal antagonist