

**DIRECTORATE OF HEALTH, MEDICAL SERVICES & MEDICAL EDUCATION,
GUJARAT STATE**

28th LABORATORY & X - RAY TECHNICIANS' TRAINING COURSES-2015-16

Section = Second (IInd) : PHARMACOLOGY

PAPER - III

Total Marks - 50

Q-1. Write notes on "ANY FOUR" of the following (16)

1. Physiological salt solution (PSS)
2. Therapeutic index (TI)
3. Euthanasia
4. Antiepileptic drugs
5. Pharmacokinetics
6. Antimicrobial resistance

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Q-2. Enumerate different routes of drug administration, Mention the advantages and limitations of oral route of administration. (10)

OR

Q-2. Enumerate different sources of drug giving suitable examples of each source. (10)

Q-3. Match the following : (08)

	"BOX - A" (Drugs)		"BOX - B" (Pharmacological action / Use)
1	Morphine 6	1 A	Anti-coagulant
2	Ergometrine 5	2 B	Anti-tubercular agent
3	Penicillin 7	3 C	Peripherally acting "Skeletal muscle relaxant"
4	Warfarin sodium 1	4 D	Local anesthetic agent
5	Isoniazide 2	5 E	Uterine stimulant
6	Procaine 4	6 F	Opioid analgesic
7	d-Tubocurarine (d-TC) 3	7 G	B-lactam antibiotic agent
8	Insulin	8 H	Hormone - use as anti-diabetic drug

① 0 A

Q-4. Describe the experiment performed to study the "analgesic effect" of drugs in rats. (10)

Q-5. Write one important therapeutic use of each of the following: (06)

1. Furosamide
2. Neostigmine
3. Ibuprofen