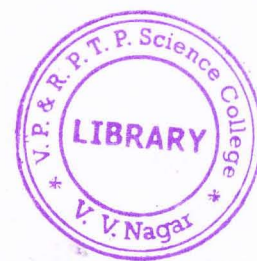


V. P. & R. P. T. P Science College
B.Sc. Industrial Chemistry Vocational
(Semester-VI) Internal Test
PHARMACEUTICAL-II



Date: 11/03/2019

Time: 10:00 a.m. to 12: 00 p.m.

Subject Code: US06CICV05

Total Marks: 50

Q.1 Select the correct option for the following questions

8

- Endocrine system diseases are categorized as _____.
a) Metabolic b) Infectious c) Cardiac d) Pulmonary
- Hypnotic drugs are included in _____ group.
a) Antibacterial b) Analgesic c) Antipyretic d) Psycho-active
- Ibuprofen has which of the following properties.
a) Anti-inflammatory b) Anti-pyretic c) Analgesic d) All of the above
- The antipyretic drugs affects _____ of the body for maintaining body temperature.
a) liver b) thalamus gland c) hypothalamus gland d) thyroid gland
- Vitamin K2 is isolate from _____.
a) Alfaalfa b) Carrot c) Spinach d) Bacteria
- Reduction in white blood cells is due to deficiency of _____.
a) pyridoxine b) folic acid c) Riboflavin d) ascorbic acid
- _____ microorganisms can attain growth in presence as well as absence of oxygen.
a) aerobic b) anaerobic c) facultative d) microacrophillic
- The subjecting of cultures of microorganisms to conditions favourable to their growth is known as _____.
a) Inoculation b) Lyophilisation c) Incubation d) Sterilization

Q.2 Answer the following questions (Any Five)

10

- Define Pharmacophore with suitable examples.
- What is first pass metabolism?
- Write the synthesis of analgin.
- Explain general structure of sulphadrugs.
- What are the deficiency symptoms of Vitamin A?
- Enlist the functions of hormones.
- Define the term a) Sterilization b) Lyophilization
- Enlist the various factors affecting the fermentation process.

Long Question

- Q.3 a) Explain in detail the effects of alkyl group on chemical activity of drug. 4
b) Write a note Prodrug giving example. 4

OR

- Q.3 a) Write a note drug dosage forms. 4
b) Explain the effect of Nitro and nitrite group on activity of drugs. 4

- Q.4 a) Explain mode of action of Anti-pyretics and Analgesics. 4
b) Give structural classification of sulfa drugs. 4

OR

- Q.4 a) Give the synthesis of paracetamol and acetophenetidine. 4
b) Write a brief note on Anti-fungal agents. 4

- Q.5 a) Give classification of vitamins and discuss occurrence, properties and deficiency diseases of vitamin A. 4

- b) Define hormones. Enlist its classification. 4

OR

- Q.5 a) Discuss occurrence, functions and deficiency diseases of vitamin D with suitable structures. 4
b) Explain about Adrenal cortex hormone. 4

- Q.6 Explain the development of inoculum and enlist the characteristics of Enzymes. 8

OR

- Q.6 Discuss the types of microbes depending on the oxygen requirement for optimum growth. 8

