

V. P. & R. P. T. P. SCIENCE COLLEGE

B. Sc. (Semester - VI) Examination

INDUSTRIAL CHEMISTRY

6th March 2019, Tuesday

COURSE NO: US06CICH02 (PHARMACEUTICALS)

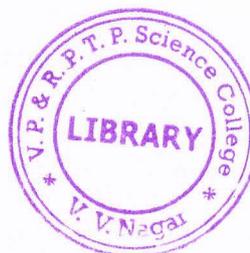
TIME: 10:00 TO 12:00

TOTAL MARKS - 50

Q.1 MCQs (All are compulsory)

(08)

- In body where drug binding occurs?
 - Blood
 - CNS
 - Liver
 - Brain
- Which species can classify?
 - Virus
 - Coccus
 - Bacteria
 - Bacillus.
- Soluble aspirin is known as _____
 - Aspirin A
 - Dispirin
 - Aspirin S
 - Dispirin s
- _____ drug is used under strict supervision of a doctor.
 - Analgin
 - Phenyl butazone
 - Paracetamol
 - Phenacetene
- Vitamin K₂ is isolate from.....
 - Alfaalfa
 - Carrot
 - Spinach
 - Bacteria
- IUPAC name of Vitamin B₁₂ is.....
 - Pyridoxine
 - Ascorbic acid
 - Folic acid
 - Cyanocobalamine
- Which of the following is destroy the ferment and retard the fermentation reaction?
 - Additives
 - Culture
 - Preservatives
 - Agar
- In aerobe condition, oxygen required by organisms is.....
 - 12%
 - 11%
 - 31%
 - 21%





- Q. 2 Short question (Any Five) (10)
1. Define term "Drug addiction"
 2. Define term "drug toxicity".
 3. Write name and structure of any four sulpha drug.
 4. What is antipyretic and analgesic drug?
 5. Differentiate between Vitamin and Hormones.
 6. Define term Antibiotic.
 7. Define term Aerobe & Anaerobe microorganisms.
 8. Define term Sterilization.
- Q.3 Give classification of drug on the basis of their therapeutic action (08)
OR
- Q.3 Explain effect of acidic group and amino group in drug molecule. (08)
- Q.4 Give the synthesis of Phthalyl sulphathiazole and succinyl sulphathiazole from p-acetamido benzene sulphonyl chloride. (08)
OR
- Q.4 Discuss the Antipyretic and Analgesic drugs. (08)
- Q.5 Give the classification of vitamins and discuss about the vitamin-B₁₂. (08)
OR
- Q.5 Define the terms antibiotic state the condition that an antibiotic has to satisfy to act as a therapeutic agents. (08)
- Q.6 Write note on "Culture development and Inoculums". (08)
OR
- Q.6 Explain the manufacture, properties and uses of Citric acid by fermentation process. (08)