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SEAT No. \_\_\_\_\_

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# Sardar Patel University

B. Sc. ( Semester – VI ) Examination

Date: 3<sup>rd</sup> April 2019, Wednesday

Time: 10:00am to 01:00pm

Industrial Chemistry Vocational

COURSE NO: US06CICV05 (PHARMACEUTICALS - II)

Notes: Figures to the right indicate full marks.

Total marks: 70

Q. 1 Answer the following multiple choice questions:

(10)

1. For aliphatic molecules, introduction of hydroxyl group .....the activity.

- A. Decrease
- B. Increase
- C. Remain same
- D. None of above.

2. Hypnotic drugs are included in .....group.

- A. Antibacterial
- B. Analgesic
- C. Antipyretic
- D. Psycho-active.

3. Salicylanilide drug is used as .....agent.

- A. Antibacterial
- B. Antifungal
- C. Anti-rheumatic
- D. Antipyretic.

4. ....drugs are responsible for modification of the response to diseases condition.

- A. Antibacterial
- B. Anti-inflammatory
- C. Anti-rheumatic
- D. Antipyretic.

5. Paracetamol is considered as .....type of analgesic drug.

- A. Narcotic
- B. Non-narcotic
- C. NSAID
- D. SAID.

6. The symptoms of scurvy are.....

- A. Weight loss
- B. Swelling of gums
- C. Loosening of teeth
- D. All of these.

7. Which of the following hormone is secreted in Pancreas...

- A. Thyroid
- B. Ovaries
- C. Testes.
- D. Insulin.

8. The optimum intracellular pH of the microorganism for growth is .....

- A. 6
- B. 7
- C. 7.5
- D. 8

9. ....are responsible for bio-catalytic activity.

- A. Proteins
- B. Enzymes
- C. Amino acid
- D. Fatty acids.

10. Lactic Bacilli enzymes can be obtained from .....

- A. Yeast
- B. Curd
- C. Milk
- D. Bacteria.

Q. 2. Answer the following short questions. (Any Ten)

(20)

1. Define "Pro-drug".
2. Define term "Drug binding".
3. Giving example, define term "Pharmacophore".
4. Define a term "Antipyretics".
5. Write the synthesis of "Analgin".
6. Define term "Anti-inflammatory drugs".
7. Define term "Vitamin".
8. Give the structure of "Vitamin A1" and "Vitamin A2".
9. Define term "Hormones".
10. Define term "Fermentation".
11. Differentiate "Aerobe and Anaerobe"
12. Define term "Culture".

Q. 3 Write a detail note on effects of various functional groups on chemical activity of drug. (10)  
OR

Q. 3 Write detail classification of drugs on the basis of therapeutic action. (10)

Q. 4 Write detail note on "Sulfa drugs". (10)  
OR

Q. 4 Write a notes on Anti-pyretics and Analgesics drugs. (10)

Q. 5 Give classification of Vitamins. (10)  
OR

Q. 5. Write note a note on "Hormones", its classification and importance. (10)

Q. 6 Write short notes on following: (10)  
A. Characteristics of Enzymes.  
B. Penicillin.

OR

Q. 6 Write short notes on following: (10)  
A. Factors affecting the fermentation process.  
B. "Tetracycline".

— x —  
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