

[This question paper contains 2 printed pages.]

Sr. No. of Question Paper : 2188

Roll No.....

Name of the Course : D. Pharma. – Ist Yr. – 2013

Name of the Paper : VI Health Education and Community Pharmacy

Duration : 3 Hours

Maximum Marks : 80

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
 2. Attempt any **five** questions.
 3. Answer **all** parts of a question at are place.
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1. (a) What do you mean by family planning ? Write the methods of family planning ? (8)
(b) Discuss in detail about the natural methods of family planning. (8)
 2. Give causative agent, mode of transmission, signs and symptoms, prevention and control of the following diseases.
(a) Measles
(b) AIDS (8+8)
 3. Write classification of microbes. Explain different staining techniques used for the identification of microbes. (16)
 4. Write short notes on :
(a) Disease Agents
(b) Balanced diet

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- (c) First aid in fractures
- (d) Hospital acquired infections (4×4)
5. Write short notes on :
- (a) Air pollution and its prevention.
- (b) Disinfectants (8+8)
6. (a) Define cancer. Explain the causes, signs and symptoms prevention and control of cancer. (8)
- (b) Define hyper tension. Explain its causes, preventions and control measures. (8)
7. (a) Discuss in detail about communicable disease transmission modes. (8)
- (b) Methods of prevention and control of communicable disease. (8)

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Sr. No. of Question Paper : 2186

Roll No.....

Name of the Course : D. Pharma. – Ist Yr. – 2013

Name of the Paper : IV Biochemistry and Clinical Pathology

Duration : 3 Hours

Maximum Marks : 80

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. (a) Briefly describe the chemistry of carbohydrates. (8)

(b) Discuss the commonly used qualitative tests for carbohydrates. (8)

2. (a) What are proteins and classify proteins? (8)

(b) Explain the urea cycle. (8)

3. Discuss about Beta oxidation of fatty acids. Give an account of energetics of plamitic acid oxidation. (16)

4. What are enzymes? Discuss the factors affecting enzyme activity. (16)

5. What are vitamins? Classify them. Discuss the sources, physiological actions and deficiency diseases of fat soluble vitamin. (16)

- 6. Classify minerals. Write a brief note on physiological function, major sources and deficiency diseases of any three minerals. (16)
- 7. (a) Abnormal erythrocytes and their significance. (8)
- (b) Role of lymphocytes in health and disease. (8)

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Sr. No. of Question Paper : 2184

Roll No. 12057

Name of the Course : D. Pharma. – Ist Yr. – 2013

Name of the Paper : II Pharm. Chemistry – I

Duration : 3 Hours

Maximum Marks : 80

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **five** questions.
3. Q. No. 1 is compulsory.

1. (a) How much quantity of the sample should be taken to prepare test solution for limit test of chloride, when 200 ppm is the limit & standard opalescence is produced using 10 ml of 25 ppm standard chloride solution. (6)

(b) How would you prepare 1000 ml of dilute acetic acid from glacial acetic acid? (5)

(c) How would you prepare 1000 ml of 1M Sodium Carbonate solution and 1N Sodium Carbonate solution? (5)

2. (a) What is the significance of performing identification tests? (2)

(b) Name five cations & five anions. (2)

(c) Give the identification tests for

(i) Ammonium

(ii) Barium

(iii) Thiosulphate

(iv) Acetate

(4×3)

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3. Discuss the principle & procedure of
- (a) Limit test for sulphate
 - (b) Quantitative test for lead (2×8)
4. Give reasons for
- (a) Combination of calcium & magnesium antacids
 - (b) Addition of formaldehyde in the assay of ammonium chloride
 - (c) Use of alcohol in limit test for Sulphate
 - (d) Use of stannous chloride in arsenic limit test.
5. (a) Give brief account of Radio opaque contrast media. (8+8)
- (b) Discuss Antidotes.
6. (a) What are antioxidants ? Give an account of sodium metabisulphite. (8+8)
- (b) Write a note on replacement therapy. Na
7. Write notes on :-
- (a) Emetics ✓
 - (b) Antimicrobials
 - (c) Dental products
 - (d) Saline Cathartics ✓

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