

**S.Y. B.SC. (NURSING) (2007 COURSE) : SUMMER - 2018**  
**SUBJECT: PHARMACOLOGY, PATHOLOGY & GENETICS**

Day: **Saturday**  
Date: **21/04/2018**

**S-2018-3864**

Time: **10.00 AM TO 01.00 PM**  
Max. Marks: 15

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Put a  $\checkmark$  in the appropriate box.
- 3) Use **BLUE / BLACK** ball point pen only.
- 4) Section –I should be completed in **20** minutes.
- 5) Each MCQ carries **ONE** mark.
- 6) Students will not be allotted marks if he/ she overwrites strikes or puts white ink on the cross once marked.

Seat No: \_\_\_\_\_

Total Marks Obtained: \_\_\_\_\_

Jr. Supervisor's Signature: \_\_\_\_\_

Examiners Signature: \_\_\_\_\_

**Q.1 MCQ.s**

**SECTION-I**

- 1) Which of the following drug is prepared from animal source?
  - a) Aspirin
  - b) Insulin
  - c) Ampicillin
  - d) Atropine
  
- 2) The following drug is useful in treating an acute attack of asthma of cardiac or pulmonary origin.
  - a) IV aminophylline
  - b) IV salbutamol
  - c) Inhaled ipratropium
  - d) Inhaled betamethasone
  
- 3) Which of the following is a relative contraindication for use of Glucocorticoid?
  - a) Shock
  - b) Diabetes mellitus
  - c) Bronchial asthma
  - d) Rheumatoid arthritis
  
- 4) Antidote of choice in lead poisoning is.
  - a) Dimercaprol
  - b) Desferrioxamine
  - c) Calcium disodium edetate
  - d) D- penicillamine

**P. T. O.**

- 5) Which of the following drug can produce gastritis?
- a) Aspirin
  - b) Paracetamol
  - c) Omeprazole
  - d) Calcium carbonate
- 6) Pick the antipsychotic agent from the following.
- a) Chlorpromazine
  - b) Fluoxetine
  - c) Diazepam
  - d) Imipramine
- 7) Intra thecal route of administration involves injection of drug into the
- a) Arteries
  - b) Spinal canal
  - c) Auricles
  - d) Atria
- 8) The following is a prodrug.
- a) Penicillin
  - b) Levodopa
  - c) Insulin
  - d) Chlorthalidone
- 9) The most frequent anatomic site for squamous cell carcinoma of esophagus is
- a) Upper third
  - b) Middle third
  - c) Gastro- esophageal junction
  - d) Lower third
- 10) Following are the risk factors of myocardial infarction EXCEPT.
- a) Smoking
  - b) Hypertension
  - c) Diabetes mellitus
  - d) Peptic ulcer

- 11) Following are the major types of skin cancers EXCEPT.
- a) Squamous cell carcinoma
  - b) Lipoma
  - c) Melanoma
  - d) Basal cell carcinoma
- 12) Blood for Total Leukocyte Count (TLC) and Differential Leukocyte Count (DLC) is collected in the following type of vacutainer.
- a) EDTA
  - b) Plain
  - c) Sodium citrate
  - d) Fluoride
- 13) Which of the following is the best method for hemoglobin estimation?
- a) Gasometric
  - b) Chemical
  - c) Cymeth hemoglobin
  - d) Sahlis
- 14) One of the following is NOT due to error in metabolism.
- a) Phenylketonuria
  - b) Congenital hyperthyroidism
  - c) Turner syndrome
  - d) Maple syrup urine disease
- 15) Which of the following is a definitive diagnosis for most of the malignancies?
- a) Blood tests
  - b) X- rays
  - c) CT Scan
  - d) Histopathological examination

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SUBJECT: PHARMACOLOGY, PATHOLOGY & GENETICS

Day: **Saturday**  
Date: **21/04/2018**

Time: **10.00 AM TO 01.00 PM**  
Max. Marks: 60

S-2018-3864

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to all the sections should be written in **SEPARATE** answer book.
- 4) Draw neat diagrams **WHEREVER** necessary.

**SECTION-II**  
**PHARMACOLOGY**

- Q.2** Write short notes on any **THREE** of the following: (3 X 4 = 12) **(12)**
- a) Advantages and disadvantages of oral route of drug administration
  - b) Treatments of interstitial amoebiasis.
  - c) General principles in management of Barbiturate Poisoning.
  - d) Therapeutic uses and adverse effects of Aspirin
  - e) Treatment of status Asthmaticus
- Q.3** Write briefly on any **TWO** of the following: (2 X 5 = 10) **(18)**
- i) a) Explain any one Oral anti diabetic drug **(04)**  
b) Radioactive iodine **(05)**
  - ii) a) Write therapeutic uses and adverse effect of benzyl penicillin **(04)**  
b) Nursing responsibilities during administration of diuretic therapy **(05)**
  - iii) a) Enumerate drugs used for treatment of Leprosy. Write mechanism of action of Dapsone. **(05)**  
b) Drug therapy of acute attack of Angina pectoris. **(04)**
  - iv) a) Classify sympathomimetics with example. **(04)**  
b) Write uses, side effects and nursing responsibilities of Adrenaline. **(05)**

**SECTION-III**  
**PATHOLOGY**

- Q.4** Write short notes on any **TWO** of the following: (2 X 5 = 10) **(10)**
- a) Stages of Pneumonia
  - b) Urine examination
  - c) Lab Diagnosis of Tuberculosis
  - d) Blood grouping
- Q.5** Write briefly on any **ONE** of the following: (1 X 10 = 10) **(10)**
- i) a) Classify leukemia **(02)**  
b) What is PBS picture of Chronic Myeloid Leukemia? **(04)**  
c) How will you Diagnose case of Leukemia. **(04)**
  - ii) a) Define Inflammation. **(02)**  
b) List the cardinal signs of inflammation. **(03)**  
c) Explain cardinal signs of inflammation. **(05)**

**SECTION-IV**  
**GENETICS**

- Q.6** Write short notes on any **TWO** of the following: (2 X 5 = 10) **(10)**
- a) Structure of Cell
  - b) Prevention of Genetic disorders
  - c) Effect of chemicals in pregnancy
  - d) Role of Nurse in Genetic Counselling