

**BACHELOR OF SCIENCE (NURSING) (2019 COURSE)**  
**S. Y. B. Sc. (Nursing) : SUMMER : 2023**  
**SUBJECT : PHARMACOLOGY, PATHOLOGY & GENETICS**

Day : Monday  
Date : 14-08-2023

**S-22430-2023**

Time : 10:00 AM-01:00 PM  
Max. Marks : 75

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the **RIGHT** indicate **FULL** marks.
  - 3) Answer to both the sections should be written in **SEPARATE** answer books.
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**SECTION – I**

- Q.1** Write short notes on **ANY FIVE** of the following : **(10)**
- a) Anti-cholinergic drugs
  - b) List four names of antiseptics used in hospital
  - c) Diuretics.
  - d) Mucolytic agent
  - e) Anti-helminthics
  - f) Digitalis toxicity
  - g) Complications of Diuretic therapy
- Q.2** Write short answer question on **ANY FOUR** of the following : **(16)**
- a) Write any four indications of dexamethasone.
  - b) Describe Osmotic diuretics.
  - c) Propanolol is contraindicated in Bronchial Asthma.
  - d) Define tocolytic agent and explain one in detail.
  - e) Drugs used in Deaddiction.
  - f) Treatments of interstitial amoebiasis.
- Q.3** Write long answer question on **ANY ONE** of the following :
- a) Classify Analgesic drugs. **(03)**
  - b) Mention uses and contraindications of Morphine. **(04)**
  - c) Nursing responsibility while administering Morphine. **(05)**
- OR**
- a) Define antibiotics. **(02)**
  - b) Classification of Sulphonamides. Action of Sulphonamides. **(06)**
  - c) Nursing responsibilities while administering sulphonamide group of drugs. **(04)**

**SECTION – II**

- Q.4** Write short notes on **ANY FIVE** of the following : **(10)**
- a) What is atherosclerosis?
  - b) Food allergies
  - c) Gene therapy
  - d) Cirrhosis liver
  - e) Fate of thrombus
  - f) Mention two benefits of Human Genomic Project
  - g) Iron deficiency anemia
- Q.5** Write short answer question on **ANY FOUR** of the following : **(16)**
- a) Discuss infertility.
  - b) Blood groups.
  - c) Pap smear.
  - d) Stages of pneumonia.
  - e) Spontaneous abortion
  - f) Urine examination

**PTO**

**Q.6** Write long answer question on **ANY ONE** of the following :

- a) Define Jaundice. (02)
- b) Mention some of the causes and laboratory findings seen in a jaundiced patient. (05)
- c) Write briefly about hepatitis B virus induced liver disease. (04)

**OR**

- a) Define acute renal failure. (02)
- b) Pathogenesis of Acute Renal Failure. (05)
- c) State etiology of renal failure (04)

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140823-m-con-pune

**BACHELOR OF SCIENCE (NURSING) (2019 COURSE)**  
**S. Y. B. Sc. (Nursing) : SUMMER : 2022**  
**SUBJECT: PHARMACOLOGY, PATHOLOGY & GENETICS**

**Day : Monday**  
**Date 25-Apr-2022**

**S-22430-2022**

**Time : 10:00 AM-01:00 PM**  
**Max. Marks: 75**

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answerbook.

**SECTION – I**

**Q.1** Write short notes on **ANY FIVE** of the following: **(10)**

- a) Define Pharmacodynamics
- b) Enlist complications of NSAID's.
- c) Mention any four Insecticides with examples.
- d) Define Nephrotoxicity.
- e) Drug Interaction
- f) Beta blockers
- g) Define Bioavailability

**Q.2** Short answer questions on **ANY FOUR** of the following: **(16)**

- a) Advantages and disadvantages of IV drugs administration
- b) Classification of Antibiotics
- c) Oral contraceptive drugs
- d) Ayurveda
- e) Osmotic diuretics
- f) Nursing care while handling Cytotoxic drugs

**Q.3** Long answer questions on **ANY ONE** of the following: **(12)**

- a) Classify Analgesic Drugs **(03)**
- b) Mention uses and contraindications of Morphine **(04)**
- c) Nursing responsibility while administering Morphine **(05)**

**OR**

- a) Classification of Anti-epileptic Drugs. **(03)**
- b) Enlist side effects of Anti-epileptic Drugs. **(04)**
- c) Enlist side effects and nursing responsibility while administering Anti-epileptic Drugs. **(05)**

**SECTION – II**

**Q.4** Write short notes on **ANY FIVE** of the following: **(10)**

- a) Factors influencing wound healing
- b) Respiratory acidosis
- c) Types of emphysema
- d) Angina Pectoris
- e) Clinical features of Hepatitis B.
- f) Semen analysis
- g) Prostatic hyperplasia

**PTO**

**Q.5** Short answer questions on **ANY FOUR** of the following: **(16)**

- a) Fate of thrombus
- b) Difference between benign and malignant tumours.
- c) Rheumatic fever
- d) Down's syndrome
- e) Ghon complex
- f) Phagocytosis

**Q.6** Long answer questions on **ANY ONE** of the following: **(11)**

- a) What is Cervical cancer? **(02)**
- b) What are various types of Cervical Cancer brief about etiopathogenesis of it? **(03)**
- c) Explain clinical staging of cervical cancer. **(06)**

**OR**

- a) What is Oedema? **(03)**
- b) What are various types of Oedema? **(04)**
- c) Explain its pathogenesis in detail. **(04)**

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250422-m-con-pune

(Common for 2007 Course & 2019 Course)

S. Y. B.SC. (NURSING) (2007 COURSE) : SUMMER - 2021  
SUBJECT : PHARMACOLOGY, PATHOLOGY & GENETICS

Day : Tuesday  
Date : 08.06.2021

Time : 10:00 AM TO 1:00 P.M.  
Max. Marks : 75

S-2021-2962/22430

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

**SECTION - I**

- Q.1** Write short notes on **ANY FIVE** of the following: (2x5) **(10)**
- a) List routes of drug administration
  - b) Define Histamines
  - c) Vaccines given at birth
  - d) Classify skeletal muscle relaxants
  - e) Concept of Ayurveda
  - f) Define pharmacodynamics
  - g) Mention adverse effects of Dobutamine
- Q.2** Short Answer Questions on **ANY FOUR** of the following: (4x4) **(16)**
- a) Mention uses of adrenaline with routes of administration and reason for each use.
  - b) Propranolol is contraindicated in Bronchial Asthma
  - c) Drug therapy for Epilepsy.
  - d) Define Adverse drug reaction. Mention different adverse drug reactions.
  - e) What are disease modifying anti rheumatoid drugs? (DMARDS) describe the role of any two in Rheumatoid Arthritis.
  - f) Uses and adverse effects of oral contraceptives.
- Q.3** Long Answer Questions on **ANY ONE** of the following: (1x12 = 12)
- a) Classify antihypertensive drug and explain beta blockers in detail. **(06)**
  - b) Describe Hematinic drugs in detail. **(06)**
- OR**
- a) Classify anticholinergic drugs. Write pharmacology of calcium channel blockers. **(06)**
  - b) Classify antimicrobial agents. Explain adverse effects of tetracycline. **(06)**

**SECTION - II**

- Q.4** Write short notes on **ANY FIVE** of the following: (2x5) **(10)**
- a) Define apoptosis
  - b) Define Dysmorphism
  - c) Define infertility
  - d) Prothrombin time
  - e) Draw structure of genes
  - f) Indications of genetic counselling
  - g) List down cardinal sign of inflammation.

P.T.O.

- Q.5** Short Answer Questions on **ANY FOUR** of the following: (4x4) **(16)**
- a) Differentiate between mitosis and meiosis.
  - b) Name any four types of hemolytic anemia.
  - c) Food allergies.
  - d) Stool examination
  - e) Down syndrome
  - f) Phases of bone healing

- Q.6** Long Answer Questions on **ANY ONE** of the following: (1x11=11)
- a) Define cervical carcinoma. **(02)**
  - b) Enlist etiology and diagnostic test for cervical carcinoma. **(03)**
  - c) Explain pathology and stages of cervical carcinoma. **(06)**

**OR**

- a) Define necrosis. **(02)**
- b) Mention different types of necrosis giving examples of each. **(03)**
- c) Explain gross and microscopic appearance of coagulative necrosis. **(06)**

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080621-m-con-pune

**S.Y. B.Sc. Nursing (2007 Course): SUMMER-2020**  
**Subject: Pharmacology, Pathology & Genetics**

Day: *Friday*

Time: *9:00AM TO 12:00NOON*

Date: *11-12-2020*

*S-2020-2962*

Max Marks: 75

**N.B.:**

- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to all sections should be written in **SAME** answer book.
- 4) Draw neat diagrams wherever necessary.
- 5) Use **BLUE/BLACK** ball point pen only.

**SECTION-I**

**Q.1** Write short notes on **ANY FIVE** of the following: **(10)**

- a) Enlist four names of antiseptics used in Hospital
- b) Define agonist
- c) Anti-cholinergic drugs
- d) Drug interaction
- e) Diuretics
- f) Mucolytics
- g) Anti-helminthics

**Q.2** Write short answer questions on **ANY FOUR** of the following: **(16)**

- a) Anti-malarial drugs
- b) Digitalis toxicity
- c) Metronidazole
- d) Complications of Diuretic therapy
- e) Streptokinase
- f) Drugs used in Bronchial asthma

**Q.3** Long answer questions on **ANY ONE** of the following: **(12)**

- a) Classification of Anti-Tuberculosis drug. **(03)**
- b) First line drugs used in TB. **(04)**
- c) Multi Drug Resistance in TB and role of Nurse in managing multi drug resistance in TB **(05)**

**OR**

- a) Define Antibiotics **(02)**
- b) Classification of Sulphonamides **(03)**
- c) Action of Sulphonamides **(03)**
- d) Nursing responsibilities while administrating sulphonamide group of drugs **(04)**

**P.T.O.**

**SECTION-II**

**Q.4** Write short notes on **ANY FIVE** of the following: **(10)**

- a) Name any two screening tests for detecting congenital abnormalities
- b) Define Mutation
- c) Prenatal diagnosis
- d) Enlist Indications for Genetic counseling
- e) Benefits of Human Genomic Project
- f) Mention two autosomal dominant disorders
- g) Barr body

**Q.5** Write short answer questions on **ANY FOUR** of the following: **(16)**

- a) Necrosis
- b) Infective Endocarditis
- c) Typhoid fever
- d) Dry Gangrene
- e) Renal edema
- f) Complications of Hypertension

**Q.6** Long answer questions on **ANY ONE** of the following: **(11)**

- a) Describe types of shock **(03)**
- b) Write in detail about etiological factors of shock **(04)**
- c) Pathogenesis of shock **(04)**

**OR**

- a) List down the causes of Atherosclerosis **(03)**
- b) Pathophysiology of Atherosclerosis **(04)**
- c) Describe effects of Atherosclerosis **(04)**

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**S.Y. B.SC. (NURSING) (2007 COURSE) : SUMMER - 2019**  
**SUBJECT : PHARMACOLOGY, PATHOLOGY & GENETICS**

Day : Monday  
Date : 22/04/2019

**S-2019-4329**

Time : 10.00 A.M. TO 01.00 P.M.  
Max. Marks : 75

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

**SECTION – I**

- Q.1** Write short notes on **ANY FIVE** of the following: (2x5) **(10)**
- a) List four names of antiseptics used in hospital.
  - b) Drugs used in treatment of Leprosy
  - c) Indications of Adrenaline
  - d) Drug antagonism
  - e) Principles of Homeopathy
  - f) Define pharmacopecnia
  - g) Adverse effects of Lasix
- Q.2** Short Answer Questions on **ANY FOUR** of the following: (4x4) **(16)**
- a) Define tocolytic agent and explain one in detail.
  - b) Drug used in Type II diabetes mellitus.
  - c) Classify antiemetic and describe treatment of motion sickness.
  - d) Drugs used in Deaddiction.
  - e) What is Bioavailability? Discuss factors modifying bioavailability after oral administration of drugs.
  - f) Nursing responsibility in administration of Antiplatelet agents.
- Q.3** Long Answer Questions on **ANY ONE** of the following: (1x12 = 12) **(12)**
- a) List anti-tubercular drugs. Describe in detail about first line drugs. **(06)**
  - b) Uses and adverse effects of Rifampicin. **(06)**
- OR**
- a) Classify analgesics. Mention uses and contraindications of Morphine. **(06)**
  - b) Nursing responsibility in administration of analgesics. **(06)**

**SECTION – II**

- Q.4** Write short notes on **ANY FIVE** of the following: (2x5) **(10)**
- a) Clotting time
  - b) Define leukoplakia
  - c) Define mitosis
  - d) List down screening test for congenital abnormality
  - e) Enlist etiology of Abortion
  - f) Causes of Hydatiform mole
  - g) Differentiate dry and wet gangrene

P.T.O.

- Q.5** Short Answer Questions on **ANY FOUR** of the following: (4x4) **(16)**
- a) Bone marrow aspiration
  - b) Jones criteria of rheumatic fever
  - c) Effect of radiation on development of fetus
  - d) Blood group alleles
  - e) Role of nurse in genetic counselling
  - f) Urine examination

- Q.6** Long Answer Questions on **ANY ONE** of the following: (1x11=11)
- a) Define inflammation **(02)**
  - b) Difference between transudate and exudate **(03)**
  - c) Describe vascular and cellular changes occurring in inflammation **(06)**

**OR**

- 2**
- a) Define bronchial asthma. **(02)**
  - b) List down diagnostic test for bronchial asthma. **(03)**
  - c) Describe etio-pathogenesis of bronchial asthma. **(06)**

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220419-m-nursing-pune

**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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S.Y. B.Sc. Nursing (2007 Course) SUMMER-2018

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

SHARAYU - II (2007 COURSE) APRIL/MAY - 2012  
SUBJECT : PHARMACOLOGY PATHOLOGY AND GENETICS

Day : Saturday  
Date : 28-04-2012

Time :  
Max. Marks : 15

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Put a tick mark in the appropriate box.
- 3) Use blue/black ball point pen only.
- 4) Section - I should be completed in 20 minutes.
- 5) Each question carries **ONE** marks.
- 6) Student will not be allotted any marks if he/she overwrites or puts ink on the box once marked.

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

Signature of Supervisor: \_\_\_\_\_

Marks obtained : \_\_\_\_\_

**SECTION - I**  
**(Part - I)**

**M.C.Q.**

- 1) The most commonly used drug in acute attack of Bronchial Asthma is :
  - a)  Beclomethasone
  - b)  Salbutamol
  - c)  Sodium Chromoglycate
  - d)  Ephedrine
- 2) The mood stabilizer used for prevention of mania is :
  - a)  Lithium
  - b)  Phenobarbitone
  - c)  Diazepam
  - d)  Alprazolam
- 3) The drug of choice (Doc) in hyperprolactinemia is :
  - a)  Prolactin
  - b)  Bromocriptine
  - c)  Oxytocine
  - d)  Ergometrine
- 4) The following drug is bactericidal :
  - a)  Tetracycline
  - b)  Erythromycin
  - c)  Penicillin
  - d)  Chloromphenical

P.T.O.

- 5) The drug of choice for cerebral malaria is :
- a)  Primaquine
  - b)  Quinine
  - c)  Chloroquine
  - d)  Amodiaquine
- 6) Which of the following drug is from animal source:
- a)  Aspirin
  - b)  Ampicilline
  - c)  Insulin
  - d)  Atrophine
- 7) The drug of choice of life saving drug in Anaphylactic shock is :
- a)  Adrenaline
  - b)  Hydrocortisone
  - c)  Oxygen
  - d)  Diphenhydromine

(Part – II)

- 8) The commonest organisms causing hepatitis are :
- a)  Gram positive bacteria
  - b)  Gram negative bacteria
  - c)  Mycobacteria
  - d)  Viruses
- 9) Lipoma is:
- a)  Malignant tumor of fat cells
  - b)  Benign tumor of fat cells
  - c)  Embryonal tumor
  - d)  Metastatic tumor
- 10) Predominate cell involved in acute inflammations is:
- a)  Eosinophil
  - b)  Lymphocyte
  - c)  Neutrophil
  - d)  Monocyte



SHARAYU - II (2007 COURSE): Oct-Nov-2012  
SUBJECT: PHARMACOLOGY, PATHOLOGY & GENETICS

Day : Saturday  
Date : 20-10-2012

Time : 9:00 AM To 12:00 Noon  
Max. Marks: 60

**N.B.**

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

**SECTION - II  
(PHARMACOLOGY)**

- Q.2** Write short notes on any **THREE** of the following: (12)
- a) Define pharmacokinetic. Describe factor affecting absorption of drug after oral administration.
  - b) I.V. General Anesthetic
  - c) Classify Antihistaminic drugs with clinical significance
  - d) Anaphylactic shock
  - e) Anticoagulant agent with action and indication .
- Q.3** Write briefly on any **TWO** of the following: (18)
- 1) a) Classify NSAID. Mention 4 uses of Aspirin. (05)  
b) Drug therapy of migraine. (04)
  - 2) a) Oral contraceptive pills (05)  
b) Newer insulin (04)
  - 3) a) Classify antihypertensive drugs. (05)  
b) Mention 4 names of Beta blockers and 4 uses of beta blockers. (04)
  - 4) a) Aminoglycoside. (05)  
b) Antimalarial drugs and mention how chloroquine tablets are given. (04)

**PATHOLOGY**

- Q.4** Define Anemia. Describe peripheral blood smear and bone marrow aspiration findings in Iron deficiency anemia. (05)
- Q.5** Describe mismatched blood transfusion reaction and how will you investigate this case? (05)
- Q.6** Write short notes on any **FIVE** of the following: (10)
- a) Tubercular granuloma
  - b) Pap smear
  - c) Neutrophil
  - d) Sputum examination
  - e) Vacutainer
  - f) Fibroadenoma

**GENETICS**

- Q.7** Write short notes on any **TWO** of the following: (10)
- a) Meiosis
  - b) Neural tube defect
  - c) Genotype
  - d) X linked recessive disorder

Following are the stages of pneumonia EXCEPT.

- a) Grey hepatization
- b) Red hepatization
- c) Resolution
- d) Granulation tissue formation

12) Decrease in number of WBCs in blood is known as \_\_\_\_\_

- a) Thrombocytopenia
- b) Leukocytosis
- c) Anemia
- d) Leucopenia

13) Malarial parasites in peripheral blood smear are seen in \_\_\_\_\_

- a) Neutrophil
- b) Lymphocyte
- c) Red blood cell
- d) Eosinophil

14) Which of the following is due to trisomy-18?

- a) Edward syndrome
- b) Patau syndrome
- c) Down syndrome
- d) Turner syndrome

15) Which of the following is a noninvasive prenatal test?

- a) Amniocentesis
- b) Maternal serum alpha fetoprotein test
- c) Chorionic villus sampling (CVS)
- d) Cordocentesis or PUB

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SHARAYU - II (2007 COURSE): SUMMER - 2017  
SUBJECT: PHARMACOLOGY, PATHOLOGY & GENETICS

Date: Saturday  
22/04/2017

Time: 09.00 A.M. TO 12.00 N  
Max. Marks: 60

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) Drug therapy of multibacillary leprosy.
  - b) Classify Antihistaminic drugs with examples
  - c) Digoxin
  - d) Concept of Ayurveda
  - e) Describe uses of  $\beta$  -Adrenergic Blockers
- Q.3** Write briefly on any **TWO** of the following: ( 2 x 9= 18 ) (18)
- i) a) Mention different drugs used in peptic ulcers. (05)  
b) Drug therapy used in management of vomiting. (04)
  - ii) a) Pancuranium as a muscle relaxant. (05)  
b) Plasma expanders. (04)
  - iii) a) Rabies Vaccine. (05)  
b) Uses and adverse effects of tetracycline. (04)
  - iv) a) First line drug used in T.B. (05)  
b) Classify Antihypertensive drugs with examples (04)

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

- Q.4** Write short notes on any **TWO** of the following: ( 2 x 5 = 10 ) (10)
- a) Fatty liver
  - b) Etiopathogenesis of Glomerulonephritis
  - c) Iron deficiency Anemia
  - d) PBS picture of Chronic Myeloid Leukemia
- Q.5** Write briefly on any **ONE** of the following: ( 1 x 10= 10 ) (10)
- i) a) Define Neoplasia (02)  
b) Differentiate between Benign and Malignant tumour (04)  
c) Write Laboratory Diagnosis for Malignant tumour. (04)
  - ii) a) What are Do's Dont's of transfusion of blood. (04)  
b) Describe transfusion Reaction. (06)

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

- Q.6** Write short notes on any **TWO** of the following: ( 2 x 5= 10 ) (10)
- a) Gene therapy
  - b) Mitosis and Meiosis
  - c) Treatment and Prevention of Neural tube defect
  - d) Genetic Counseling

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