



BRAINWARE UNIVERSITY

Term End Semester Examinations, January- 2024

Programme – Bachelor of Science in Nursing

Course Name – Pharmacology(I&II) & Pathology (I&II) & Genetics

Course Code – PHAR(I&II) 205 & PATH(I&II) 210

(Semester – IV)

Time allotted: 3 hrs.

Full Marks: 75

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable. Write answer of Section – A and Section –B & C in separate Answer booklet.]

Section – A

(Pharmacology I & II)

Marks - 38

Group – A (Multiple Choice Question)

7 x 1 = 7

1. **Select the correct answer of the following :-**
 - i) State the complication associated with heparin therapy.
 - a) Decreased urine output
 - b) Infection
 - c) Constipation
 - d) Bleeding
 - ii) State the pancreas is produces hormone that regulates the blood sugar in human body.
 - a) Cortisol
 - b) T4
 - c) Insulin
 - d) Glucagon
 - iii) Name the indication of boric acid drop:
 - a) Keratitis
 - b) Conjunctivitis
 - c) Chronic suppurative otitis media
 - d) Rhinitis
 - iv) Choose the correct option for that class of drugs that is commonly used to relieve pain and reduce fever by acting on the central nervous system.
 - a) Antidepressants
 - b) Antipsychotics
 - c) Analgesics
 - d) Anxiolytics
 - v) Tell the route of administration of progesterone esters.
 - a) Oral
 - b) Topical
 - c) IM
 - d) IV
 - vi) Tell the drugs used in the management of postpartum hemorrhage, except:
 - a) Oxytocin
 - b) Methyl ergometrine
 - c) Mifepristone
 - d) Carboprost

- vii) Select from the following that you will like to give to a pregnant patient to decrease the risk of neural tube defects in the offspring, if your patient is receiving antiepileptic drugs.
- a) Folic acid
 - b) Vitamin A
 - c) Vitamin E
 - d) Pyridoxine

Group – B (Essay/ Long answer type question)

1 x 10 = 10

(Answer Any One Question)

2. a) Define Prescription. 2+4+4=10
b) Explain the Parts of Prescription. 10
c) Explain the contents of the prescription.
- OR a) Describe the alternative system of medicine. 5+5=10
b) Discuss the treatment of Ayurveda.

Group – C (Short answer type question)

3 x 5 = 15

3. Write short notes *(Answer Any Three Questions)*

- a) Write the treatment of allergic rhinitis. [5]
- b) Write in detail about female contraceptives. [5]
- c) Define vitamin and classify them [5]
- d) Mention the management of food poisoning. [5]
- e) Write the factors affecting the prescriptive authority. [5]

Group – D (Very short answer type question)

3 x 2 = 6

4. Write in short *(Answer Any Three Questions)*

- a) Define antihistamines. [2]
- b) Define MTP. [2]
- c) Define Unani. [2]
- d) Define the meaning of legal issues related to prescription (at least two issues) [2]

Group – C (Very short answer type question)

3 x 2 = 6

7. Write in short (Answer Any Three Questions)

- a) Write the symptoms that are commonly associated with uterine fibroids [2]
- b) Write the common symptoms of ovarian cysts. [2]
- c) Illustrate the urine collection procedure for diagnostic purposes. [2]
- d) Describe the process of sputum collection. [2]
- e) Write the main causes of meningitis. [2]

Section - C

(Genetics)

Marks – 12

Group – A (Multiple Choice Question)

3 x 1 = 3

8. Select the correct answer of the following :-

- i) Tell the name of Chromosome structure can be observed best during
 - a) Anaphase
 - b) Metaphase
 - c) Prophase
 - d) None of the above
- ii) Select the one from following is related to folic acid contribute in the prevention of neural tube defect.
 - a) Folic acid stimulates nerve cell growth
 - b) Folic acid helps repair damaged neural tissue
 - c) Folic acid reduces the risk of neural tube defects by promoting proper neural tube closure during early pregnancy
 - d) Folic acid increases the risk of neural tube defects
- iii) Identify the most common form of Down syndrome.
 - a) Mosaic Down syndrome
 - b) Translocation Down syndrome
 - c) Trisomy 18
 - d) Trisomy 21

Group – B (Short answer type question)

1 x 5 = 5

9. Write short notes (Answer Any One Questions)

- a) Explain the process of genetic counseling. [5]
- b) Enlist the causes of developmental delay in children [5]

Group – C (Very short answer type question)

2 x 2 = 4

10. Write in short (Answer Any Two Questions)

- a) Provide an example of a sex-linked disorder. [2]
- b) Define "TORCH". [2]
- c) Differentiate Incidence and prevalence. [2]
- d) Write the meaning of Gene therapy. [2]
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