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BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Sc.(CCT)-2022/B.Sc.(OTT)-2022/B.Sc.(OTT)-2023/B.Sc.
(CCT)-2023/B.Sc.(CCT)-2024/B.Sc.(OTT)-2024/B.Sc.(CCT)-2025/B.Sc.(OTT)-2025

Course Name – Pathology

Course Code - BCCTC203/BOTTC203

(Semester II)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

(i) Identify Histopathology lab will deal with

- a) Cells
- c) Organs

- b) Tissues
- d) Organ System

(ii) Identify the temperature which is maintained by the Freezers in the pathology labs?

- a) 10°C – 15°C
- c) – 10°C to -60°C

- b) 0°C – 10°C
- d) – 100°C

(iii) The Section cutting Machine is named as

- a) Microtome
- c) Histocut

- b) Histomate
- d) Histoform

(iv) Identify the first step of histopathological slide preparation among the following options:

- a) Fixation
- c) Blocking

- b) Antigen retrieval
- d) Antibody labeling and visualization

(v) Define Apoptosis

- a) Cell degradation
- c) Cell regeneration

- b) Programmed Cell Death
- d) Cell activation

(vi) Identify hypertrophy of a muscle is due to

- a) increase in number
- c) Decrease in number of cell

- b) increase in size of cell
- d) Abnormal shape of cells

(vii) Select having a pulmonary embolism include risk of possible

- a) Sudden death
- c) High blood pressure

- b) Diabetes
- d) Amputation of limbs

(viii) If a clot were to "embolize" this explains

- a) Attached itself to another clot

- b) Broken loose

- c) Leg
(ix) Express Ischemia
a) restriction of blood supply to tissues
c) Inadequate deoxygenated blood carrying veins
(x) Select the name of milk letdown hormone
a) Oestrogen
c) Oxytocin
(xi) Select from the following the prostate is about the size of a
a) Pea
c) Grape
(xii) Select from the following, treatment of choice for carcinoma penis with a small growth
a) Conservative
c) Partial amputation
(xiii) Select from the following what is the treatment of choice for stage 1 vaginal squamous cell carcinoma
a) Radiotherapy
c) Partial vaginectomy followed by radiation
(xiv) Select from the following which condition is not associated with microcytic anemia
a) Iron Deficiency Anemia
c) Sieroblastic Anemia
(xv) Identify on collecting blood, what solution is added to it?
a) sodium citrate
c) sodium phosphate
d) Heart
b) Overflow of blood to tissues
d) the medical term for shortness of breath
b) Progesterone
d) Prolactin
b) Walnut
d) None of these
b) Radiotherapy
d) Total amputation
b) Total vaginectomy
d) Concurrent chemoradiation followed by surgery of residual lesion
b) Aplastic Anemia
d) Thalassemia
b) potassium citrate
d) potassium phosphate

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Identify the etiological factors resulting in cell injury. (3)
3. Describe the common cause of Pneumonia. (3)
4. Briefly describe different type of Anemia. (3)
5. Describe about Blood grouping. (3)
6. Differentiate between COPD and asthma. (3)

OR

Evaluate the common sign and symptoms of rheumatic heart disease. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Differentiate between acute and chronic inflammation. (5)
8. Discuss the advantages and disadvantages of FNAC. (5)
9. Describe the symptoms and treatment procedure of Tuberculosis. (5)
10. Contrast the advantages & limitations of cytological studies. (5)
11. Express the details about transfusion reaction. (5)
12. Evaluate the pathophysiology and symptoms of Alzheimer's disease. (5)

OR

Evaluate the key factors to assess in the COPD patient's health history. (5)
