

433

SECTION -B (ESSAY TYPE QUESTIONS)
(5x5=25 Marks)

1. Define Immunopathology. Explain mechanism of immunological tissue injury (hypersensitivity reaction) and it's types.
2. What do you understand by organ transplantation? Elaborate the associated complications of organ transplantation.
3. What are the modes of transmission of HIV AIDS? Describes the precautions to be taken while handling samples of suspected HIV case.
4. Describe any three systemic pathologies of cardiovascular system and gastrointestinal tract respectively.
5. State the circulatory disturbances. Explain formation, fate and effects of thrombosis and embolism.
6. Name the different Hemostatic disorders. Describe briefly about any two hemostatic disorders.
7. What are the laboratory diagnostics used to diagnose tumours and other cancers? Elaborate blood and tissue investigations in brief.
8. What is the process of blood grouping and cross matching? State blood transfusion complications briefly and how to prevent them.

*****END OF PAPER*****

2112H005

BACHELOR OF VOCATION
Medical Laboratory Technology (MLT)
Subject: Systemic Pathology
Subject Code: LSH-703
Semester: Fifth
December 2021
Theory (External): 35 Marks
Time: 03 Hours

Instructions to the Students

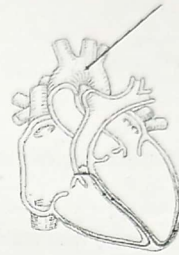
1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 1 mark.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number

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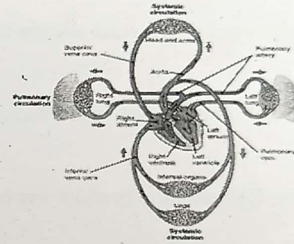
SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10x1=10 Marks)

- A). Primary site of B cell development in humans.
 (a) Thymus (c) Bursa of Fabricus
 (b) Bone Marrow (d) Adrenal Gland
- B) Usual sources of error in ESR except
 (a) Incorrect concentration of anticoagulant
 (b) Vertically placed tube
 (c) Improperly cleaned tubes
 (d) Hemolysis
- C). Bone marrow aspiration and biopsy are performed routinely together.
 (a) True (b) False
- D). What are signs in medical term referred to?
 (e) Objective, measurable results
 (f) Patient reported
 (g) Both a and b
 (h) None of the above
- E). What are symptoms in medicine?
 (a) objective, measurable results
 (b) patient reported
 (c) Both a and b
 (d) None of the above
- F). What are risk factors for disease?
 (a) genetics (d) stress
 (b) age (e) all of the above
 (c) lifestyle
- G). Pulmonary circulation describes the flow of blood from the heart to the
 (a) lungs (b) body
- H). Which part of the heart is this?



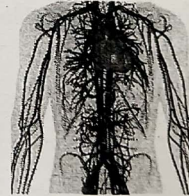
- (a) Aorta (c) Pulmonary Artery
 (b) Pulmonary Vein (d) Left Atrium

- I). When blood enters the right atrium, where is it coming from?



- (a) The body (c) Right Atrium
 (b) Left ventricle (d) Lungs

- J). During the Cardiac Cycle the diastole phase is when?



- (a) The heart is fully contracted
 (b) The heart is fully relaxed
 (c) When the atria are relaxed and Ventricles contracted
 (d) All of the above