

(Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)

B. Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY

1401 – ANATOMY

I YEAR

UNIT V – ANATOMY OF LIVER .

I. ELABORATE ON

10 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.no	Questions	Reference	Bloom's Taxonomy
1	Describe the External features of the Liver in detail, including its surfaces, borders, and lobes. Add a detailed note on its peritoneal relations and how they hold the liver in place.	Simulated Feb 2023	Apply
2	Describe the Portal Vein in detail. Trace its formation, course, and termination. Discuss the major Porto-Systemic Anastomoses and explain their clinical significance in Portal Hypertension.	Simulated Aug 2023	Analysis
3	Describe the anatomical and functional organization of the Liver. Draw and explain the microscopic structure of a Classic Liver Lobule and briefly explain the concept of the Portal Acinus.	Simulated Feb 2024	Analyze
4	Describe the location and blood supply of the Liver in detail. Discuss the applied anatomy related to Liver Biopsy and surgical Liver Segmentation.	Simulated Aug 2024	Evaluate
5	Detail the structures forming the bed of the Liver and their clinical significance. Discuss the various Ligaments of the Liver.	Simulated Feb 2025	Analysis
6	Detail the formation, course, and drainage of	Simulated	Apply

(Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)

B. Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY

S.no	Questions	Reference	Bloom's Taxonomy
	the Extrahepatic Biliary Ducts from the liver to the duodenum. Draw a neat labeled diagram of the extrahepatic biliary apparatus.	Aug 2025	
7	Describe the development of the Liver and the Gall Bladder. Discuss common congenital anomalies related to the biliary tract.	Simulated Feb 2026	Understanding
8	Explain the gross anatomy of the Gall Bladder and Cystic Duct. Describe their relations and the arterial supply of the Gall Bladder, including a note on Calot's Triangle .	Simulated Aug 2026	Analyze
9	Describe the Inferior (Visceral) surface of the Liver in detail. Explain the H-shaped arrangement of fissures and grooves and the impressions formed by adjacent organs.	Simulated Feb 2027	Apply
10	Explain the functional segmentation of the Liver (Couinaud's classification). Discuss why this classification is more important than the traditional anatomical lobes in modern liver surgery.	Simulated Aug 2027	Create

(Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)

B. Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY

II .WRITE NOTES ON

5 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.no	Questions	Reference	Bloom's Taxonomy
1	Anatomy of Portal Circulation.	August 2015 ¹ , August 2019 ²	Understanding
2	Blood supply of Liver.	February 2016 ³	Understanding
3	Discuss the Ligaments of liver.	August 2017 ⁴	Analysis
4	Peritoneal relations of the Liver.	Simulated Feb 2023	Application
5	Anatomy of the Gall Bladder.	Simulated Aug 2023	Understanding
6	Porto-Systemic Anastomoses and their sites.	Simulated Feb 2024	Analyze
7	Calot's Triangle and its surgical significance.	Simulated Aug 2024	Application
8	Structure of the Classic Liver Lobule.	Simulated Feb 2025	Understanding
9	Formation and termination of the Common Bile Duct (CBD).	Simulated Aug 2025	Remember
10	Innervation of the Liver and Biliary Apparatus.	Simulated Feb 2026	Remember

III .WRITE SHORT NOTES ON

3 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.no	Questions	Reference	Bloom's Taxonomy
------	-----------	-----------	------------------

(Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)

B. Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY

S.no	Questions	Reference	Bloom's Taxonomy
1	Lobes of Liver.	February 2013 ⁵ , November 2022 ⁶	Remember
2	Inferior Surface of liver.	August 2013 ⁷ , August 2018 ⁸	Remember
3	Bare area of liver.	February 2014 ⁹	Remember
4	Write about the blood supply to liver.	March 2021 ¹⁰	Remember
5	Describe Portal circulation.	April 2022 ¹¹	Understanding
6	List the contents of the Portal Triad.	Simulated Feb 2023	Remember
7	Define and state the significance of the Falciform Ligament.	Simulated Aug 2023	Understanding
8	Name the two major surfaces and two major lobes of the Liver.	Simulated Feb 2024	Remember
9	What is the Bed of the Liver?	Simulated Aug 2024	Remember
10	Define the Cystic Artery and state its usual origin.	Simulated Feb 2025	Remember
11	Name the lobes visible on the visceral surface of the liver.	Simulated Aug 2025	Remember
12	What is the ligamentum venosum?	Simulated Feb 2026	Remember
13	Name two common sites of Porto-Systemic Anastomosis.	Simulated Aug 2026	Remember
14	Define the Cystic Duct.	Simulated Feb 2027	Remember

(Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)

B. Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY

S.no	Questions	Reference	Bloom's Taxonomy
15	What is the importance of Glisson's capsule ?	Simulated Aug 2027	Understanding