

**B.Sc., PHYSICIAN ASSISTANT
FIRST YEAR - QUESTION BANK**

SUBJECT CODE AND NAME - 1601 - ANATOMY AND PHYSIOLOGY

UNIT NO: III

**TOPICS - DIGESTIVE SYSTEM, RESPIRATORY SYSTEM, URINARY SYSTEM, ENDOCRINE
SYSTEM AND REPRODUCTIVE SYSTEM**

I. ELABORATE ON: 10 MARKS

S.NO	QUESTIONS	REFERENCE (EXAM MONTH AND YEAR)	BLOOMS TAXONOMY
1	Draw the diagram of digestive system and explain its structures and functions	August 2011 February 2020	Understand
2	How is Urine formed? Describe the mechanism in detail	August 2011 February 2015	Understand
3	The Male reproductive system	August 2013	Understand
4	Name the parts of small intestine. Write the details about structure and digestive and absorptive functions of small intestine	August 2018 March 2021	Understand
5	Name the parts of the Gastro-intestinal tract and write in detail about Stomach	April 2023	Understand
6	Regulation of respiration	February 2013	Understand
7	Describe in detail about lung volume and capacities	April 2022	Understand
8	List out the glands of Endocrine system. Elaborate on hormones of Anterior Pituitary	August 2016	Understand
9	Define menstrual cycle. Name the different phases of menstrual cycle and discuss the hormonal changes during menstrual cycle	February 2016	Understand
10	Describe the anatomy of Kidney and Urinary bladder	August 2016	Understand
11	Explain about the physiology of respiration	August 2017	Understand
12	Define Menarche. Explain in detail about different phases of menstrual cycle and the hormones influencing menstrual cycle	November 2022	Understand

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II. WRITE NOTES ON: 5 MARKS

S.NO	QUESTIONS	REFERENCE (EXAM MONTH AND YEAR)	BLOOMS TAXONOMY
1	Structures associated with Pharynx	August 2011	Understand
2	Puberty in female	February 2012	Understand
3	Structure and function of ovaries	February 2012	Understand
4	Functions of liver	February 2012 August - 2012, 2014, 2016	Understand
5	Pancreas	August 2012	Understand
6	Kidney	August 2012	Understand
7	Lung Surfactant	August 2012	Understand
8	What is spermatogenesis	August 2014	Understand
9	What are the gastric juices and its functions	August 2014	Understand
10	Lung volume and its capacities	February 2012	Understand
11	Thyroid disorders	February 2012	Understand
12	Micturition	February 2013	Understand
13	Pulmonary tuberculosis	February 2013	Understand
14	Artificial respiration	February 2013	Understand
15	Cyanosis	February 2013	Understand
16	Pleura	February 2013	Understand
17	Insulin	February 2013	Understand
18	Lung cancer	February 2015	Understand
19	Glomerulonephritis	February 2015	Understand
20	Renal replacement therapy	February 2015	Understand
21	Viral hepatitis	February 2015	Understand
22	Blood transfusion reaction	February 2015	Understand
23	Functions of kidney	August 2015	Understand
24	Functions of lung	February 2016	Understand
25	Thyroid gland	November 2023	Understand
26	Anatomy of Right Lung	August 2016	Understand
27	Explain Structure and Functions of Liver	February 2017	Understand
28	Functions of Saliva	August 2017	Understand

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29	Structure of stomach and its functions	February 2018	Understand
30	Bile duct	August 2018	Understand
31	Mammary glands	August 2018	Understand
32	Anatomy of Thyroid gland	April 2023	Understand
33	Oogenesis	November 2023	Understand

III. SHORT ANSWERS ON: 3 MARKS

S.NO	QUESTIONS	REFERENCE (EXAM MONTH AND YEAR)	BLOOMS TAXONOMY
1	List endocrine glands and their secretions	August 2011	Remember
2	Difference between temporary and permanent teeth	August 2011	Understand
3	Abnormal constituents of urine	August 2011	Remember
4	What are the four layers of the walls of the Alimentary tract	February 2012	Remember
5	Name the clotting factors	February - 2012, 2018	Remember
6	Urine analysis	February 2012	Remember
7	Steatorrhea	August 2012	Remember
8	Hormonal regulation of blood glucose	August 2012	Understand
9	Hering Breuer Reflex	February 2013	Remember
10	Caisson's disease	February 2013	Remember
11	Hyperkalemia	February 2013	Remember
12	Emphysema	February 2013	Remember
13	Scurvy	February 2013	Remember
14	What are the phases of menstrual cycle	August 2014	Remember
15	Define shock and classify it	August 2014	Understand
16	What are the coverings of the kidney	August 2014	Remember
17	What are RBC's what are its variations	August 2014	Understand
18	Draw a neat diagram of typical rib and label its parts	August 2014	Understand
19	What are the types of anemia	August 2014	Remember
20	Muscular layers of Stomach	February 2017	Remember
21	Name the muscles of Mastication	April 2024	Remember
22	Peptic ulcer	February 2015	Remember

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23	Histopathology of Kidney	February 2015	Understand
24	Urolithiasis	February 2015	Remember
25	Mention the function of thyroid hormone in brief	February 2015	Remember
26	Name the hormones which regulates glycogen metabolism	February 2015	Remember
27	List the contents of popliteal fossa	February 2015	Remember
28	What is anaerobic respiration	February 2015	Remember
29	Name the salivary glands	August 2015	Remember
30	Name the parts of liver	August 2015	Remember
31	Name the parts of nephron	August 2015	Remember
32	Myxoedema	August 2015	Remember
33	Four functions of hypothalamus	August 2015	Remember
34	Name the parts of urinary system	February 2016	Remember
35	Name the respiratory organs	February 2016	Remember
36	Name the types of hypoxia	February 2016	Remember
37	Functions of gastric juice	February 2016	Understand
38	List the contents of popliteal fossa	February 2015	Remember
39	Boundary of Thoracic inlet	March 2021	Remember
40	Define Cardiac Output. Mentions the affecting factors	March 2021	Understand
41	Name the cells and hormones secreted by the anterior pituitary gland	March 2021	Remember
42	Name the hormones of anterior pituitary	February 2016	Remember
43	Calcitonin	August 2016	Remember
44	Pleura	August – 2016, 2019	Remember
45	Tidal volume and Inspiratory Reserve Volume	August 2016	Remember
46	Epididymis	August 2016	Remember
47	Trigone of Urinary Bladder	August 2016	Remember
48	Elastic Cartilage	February 2017	Remember
49	Diaphragm	February 2017	Remember
50	Muscular layers of Stomach	February 2017	Remember
51	Layers of Uterus	August 2017	Remember
52	Insulin	August 2017	Remember

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53	Blood cells	February 2018	Remember
54	Blood pressure	February 2018	Remember
55	Name the hormones secreted by the pituitary gland	February 2018	Remember
56	Muscles of breathing	February 2018	Remember
57	Functions of Tongue	February 2018	Understand
58	Female Urethra	August 2018	Remember
59	Leukocytes	August 2018	Remember
60	Columnar Epithelium	August 2018	Remember
61	Spermatogenesis	February 2019	Remember
62	Reflex arc	February 2019	Remember
63	Mention the phases of Menstrual cycle	February 2019	Remember
64	Lung volume	February 2019	Remember
65	Diabetes mellitus	February 2019	Remember
66	Function of thyroid hormone	February 2019	Understand
67	Pleura	August 2019	Remember
68	Brachial plexus	August 2019	Remember
69	Name the parts of uterus	April 2022	Remember
70	Name any four clotting factors	April 2022	Remember
71	Glomerular Filtration Rate (GFR)	April 2022	Remember
72	Muscles of Respiration	November 2022, April 2024	Remember
73	Mention the functions of thyroid hormone	November 2022	Understand
74	Body fluid compartments	November 2022	Remember
75	Name three clotting factors	November 2022	Remember
76	Blood Pressure	April 2023	Remember
77	Name the parts and length of the male Urethra	April 2023	Remember
78	Mention the functions of the Liver	April 2023	Understand
79	Openings of the diaphragm	November 2023	Remember
80	Referred pain	April 2024	Remember
81	Abnormal constituents of Urine	April 2024	Remember
82	Name the parts of uterus	April 2022	Remember
83	Name the Ear ossicles	April 2022, November 2023	Remember
84	Name the parts of uterus	April 2022	Remember

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85	Name any four clotting factors	April 2022	Remember
86	Glomerular Filtration Rate (GFR)	April 2022	Remember
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91	Blood Pressure	April 2023	Remember
92	Name the parts and length of the male Urethra	April 2023	Remember
93	Mention the functions of the Liver	April 2023	Understand
94	Openings of the diaphragm	November 2023	Remember
95	Vital capacity	November 2023	Remember
96	Types of Muscles	November 2023	Remember
97	List four functions of stomach	November 2023	Remember
98	Thyroid hormones	November 2023	Remember
99	Any four renal function tests	November 2023	Remember
100	Hilar structures of the Lung	April 2024	Remember