

5. Physiology

Lec.	Subject	hours
1.	Introduction	2
2.	Part 1:Body fluids	8
3.	Plasma	1
4.	Function of blood	1
5.	Blood formed elements	2
6.	Preventing blood loss	2
7.	Blood groups &Diagnostic tests	2
8.	Part 2: Cardiovascular system	6
9.	Heart chamber , cardiac cycle, heart sound	2
10.	Cardiac output, heart rate regulation	2
11.	Blood pressure, regulation of blood BP	1
12.	Blood vessels &passage of blood through the heart	1
13.	Part 3: Nervous system	6
14.	Nervous system division	1
15.	Nervous tissues & types of neurons	1
16.	Nerve impulse	1
17.	Synapses and neurotransmitters	1
18.	Spinal cord	1
19.	Meninges , CSF	1
20.	Part 4: The reproductive system	4
21.	Female reproductive system	1
22.	Ovarian cycle	2
23.	Menstrual cycle	1
24.	Part 5:The Respiratory system	6
25.	Division of respiratory system	1
26.	Pulmonary volume	2
27.	Exchange of gases	1
28.	Respiratory volume and capacities	1
29.	Inspiration & Expiration	1
30.	Part 6 :Muscular system	6
31.	Muscle structure ,tone and sense	1
32.	Muscle contraction , sliding filament mechanism	1
33.	Energy sources and microscopic study	2
34.	Type of muscle	2
35.	Part 7: The Digestive system	6
36.	Divisions of digestive system and types of digestion	1
37.	Oral cavity , pharynx and esophagus	1
38.	Stomach and small intestine	1
39.	Liver, gall bladder and pancreas	1
40.	Large intestine	1

41.	Type of teeth	1
42.	Part 8 : The Endocrine system	8
43.	Chemistry of hormones and regulation of their secretion	1
44.	The pituitary gland	2
45.	The Hypothalamus gland	1
46.	Gonad gland	1
47.	The thyroid gland	1
48.	The pancreas gland	1
49.	The Adrenal gland	1