

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[MBBS 0123]

**JANUARY 2023**

**Sub. Code : 6053**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2019-2020)**

**FIRST YEAR – (CBME)**

**PAPER I – PHYSIOLOGY**

*Q.P. Code: 526053*

**Time: 30 Minutes**

**Maximum : 20 Marks**

**Answer All Questions**

**Choose one correct answer in the box provided in the Answer Script.  
No overwriting should be done. Choice should be given in Capital Letters.**

**III. Multiple Choice Questions:**

**(20 x 1 = 20)**

1. Regression of tissues as in uterine regression after pregnancy is a function of  
A) Nucleus      B) Lysosomes      C) Secretory Vesicles      D) Peroxisomes
2. Blood clotting is an example for  
A) Positive feedback      B) Negative feed back  
C) Delayed negative feedback      D) Adaptive control
3. Which of the following attaches cells to the basal lamina?  
A) Zona occludens      B) Desmosomes      C) Hemidesmosome      D) Claudin
4. What percentage of the total blood volume is plasma?  
A) 3.5%      B) 45%      C) 55%      D) 92%
5. The plasma proteins exert an oncotic pressure of about  
A) 5 mm Hg      B) 10 mm Hg      C) 15 mm Hg      D) 25 mm Hg
6. Which of the following protein transports cell-free hemoglobin?  
A) Albumin      B) Haptoglobin      C) Hemopexin      D) Transferrin
7. Which of the following muscle cannot be tetanized?  
A) Skeletal muscle      B) smooth muscle      C) Cardiac muscle      D) All the above
8. The end plate potential is characterized by  
A) Propagation      B) All or none law      C) Depolarization      D) Hyperpolarization
9. Which one of the following acts postsynaptically, blocking the nicotinic Acetylcholine receptors and preventing the excitation of the muscle cell membrane?  
A) Botulinum toxin      B) Curare      C) Neostigmine      D) Tetrodotoxin
10. Slow waves in the GIT are believed to be initiated by  
A) I cells      B) K cells      C) Interstitial cells of Cajal      D) S cells

