Q.P. Code:06723

[Marks: 70]

| | | | Please ch | ieck v | whether you have got the right question paper. | 600000000000000000000000000000000000000 |
|-------|------------|---------------------|--|-----------|---|---|
| | | | N.B: | 1. | All questions are compulsory. | |
| | | | | 2. | Answer all sub questions together. | |
| | | | | 3. | Draw neat labeled diagram wherever necessary. | |
| Q.1 | a) | Answer tl | ne following. | | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 12 |
| | | i. | Classify epitheli | al issu | ıe. <i>5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 </i> | |
| | | ii. | Explain the prod | cess o | f pinocytosis | |
| | | iii. | Enlist organs of | lymp | natic system. | 200 |
| | | iv. | What is granulo | cytop | enia. | 200 |
| | | ٧. | What is chemot | axis. | | , S |
| | | vi. | Explain what isc | ometr | ic & isobaric contraction is. | |
| | b) | Answer tl | ne following : | | | 03 |
| | | i. | Explain what is | serun | n & what is plasma | |
| | | ii. | | 6781 | ansmtter is released at neuromuscular junction. | |
| | | iii. | | fluid | s found in joints. | |
| | | | N. S. | 200 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | |
| Q.2 | a) | Answer a | ny Two of the follo | | \$\infty \times \tau \times \ti | 08 |
| | | i) | 43.40 01 | | f erythropoiesis in detail. | |
| | | ii) | 22.0 | | ut type I & type II hypersensitivity reactions. | |
| | | iii) | Write a note on | diffe | rent types of anemia. | |
| | b) | Answer a | ny One of the follo | | 5 7 7 2 8 8 8 8 4 8 8 8 6 K | 03 |
| | | i) | Write a note on | Sickle | e cell anemia. | |
| | | ii) | Give functions of | of WB | Cs & platelets. | |
| Q.3 | a) | Answer a | ny Two of the follo | owing | 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. | 08 |
| | | | 0, 12, 12, 12, 13, 13 | 100 CO | of skeletal muscle with a neat labeled diagram | |
| | 50 | | 2, 4 0, 75 °C P. T. | 100 | petween skeletal & smooth muscle. | |
| 36 | 30 | | Write a note on | Neur | omuscular junction. | |
| | b) | Answer a | ny One of the follo | 7 OV 7 | | 03 |
| | | | Explain the prod | 30° 60° - | | |
| | | (ii) | Explain the stru | cture | of sarcomere. | |
| 555 | 92 | | | | | |
| Q.4 | a) | Answer a | ny TWO of the foll | 0,0 | | 08 |
| 06 P | 50 | (1) | 470 12 12 12 12 12 12 12 12 12 12 12 12 12 | 290 | & function of spleen in brief. | |
| OK TO | :0-1 | (i) | Write a note on | flow | of lymph | |
| ~ OV | | ((V . : *****) (| NO CANADA AND CANADA NO CANADA | C | -/!: | |

[Time: Three Hours]

Q.P. Code :06723

| | | | 20, | | | |
|-----|--|--|---------|--|--|--|
| | b) Answer any ONE of the following | | | | | |
| | i) | Classify & give functions of connective tissue. | N. J.S. | | | |
| | ii) | Write a note on adipose tissue. | | | | |
| Q.5 | a) Answer ar | ny TWO of the following. | 08 | | | |
| | i) | Explain the role of integral proteins & cholesterol in plasma membrane. | 325 | | | |
| | ii) | With a neat labeled diagram, explain the structure of cardiac muscle. | | | | |
| | iii) | Differentiate between active & passive transport processes. | 50,91 | | | |
| | b) Answer ar | ny ONE of the following. | 03 | | | |
| | i) | Explain the role of histamine in inflammatory reaction. | | | | |
| | ii) | Explain in brief mechanism involved in increase in vascular permeability during inflammation | | | | |
| Q.6 | a) Answer ar | ny TWO of the following. | | | | |
| | i) Explain the process of blood coagulation. | | | | | |
| | ii) | Classify WBC's give its normal count & explain in what conditions its number increase & decreases. | | | | |
| | iii) | Write a note on blood group's & explain what is erythroblastosis fetalis. | | | | |
| | b) Answer any ONE of the following. | | | | | |
| | i) | Explain the process of phagocytosis | | | | |
| | ii) | Describe the features of chronic inflammation. | | | | |
| | | N X & X X X X X X X X X X X X X X X X X | | | | |