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| **Subject: Physiology (MED)**  **علم وظائف الأعضاء** | **Year 2021-2022** |
| **برنامج مكثف** | |
| **Total Marks: 90** | **Date: 23 /8/2022** |
| **Prof. Dr. Mona A. Hussain** | **Time Allowed: Three Hours** |

**Answer all the following questions: (9 marks for each one)**

1. Define homeostasis and list the components of homeostatic mechanism.
2. Mention types of homeostatic mechanism explain each type and give two examples for each one.
3. Compare between somatic and autonomic nervous system.
4. Define anemia and list its types.
5. List five functions of the liver.
6. Discuss body fluid compartments.
7. List mechanisms of acid base balance and mention four simple acid base disorders.
8. Discuss formation of angiotensin II and list five functions of angiotensin II.
9. Mention respiratory centers and the function of each one.
10. Define hypoxia and mention its types.

**The end of questions& Good Luck**

**Mona A Hussain**