

**Dr. Sukumar J. Magdum Foundations**  
**Late Mrs. Housabai Homoeopathic Medical College & Hospital, Nimshirgaon.**

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**1<sup>st</sup>Year B.H.M.S.**

**TERMINAL EXAMINATION**

**DATE-24 /01/2020**

**Duration-2Hrs**

**PHYSIOLOGY & BIOCHEMISTRY - PAPER – I**

**Total marks-50**

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**Instructions:**

- 1) Use **black / blue** point pen only.
- 2) Do not write anything on the **blank portion of the question paper**. If written anything such type of act will be considered as an attempt to resort to unfair means
- 3) **All** questions are **compulsory**.
- 4) The numbers to the **right** indicates **full** marks.
- 5) Draw diagrams **wherever** necessary.
- 6) Distribution of syllabus in Question paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is mere guideline .Questions can be asked from any papers syllabus in to any question paper .Students cannot claim that the Question is out of syllabus .As it is only for the placement sake, the distribution has been done.
- 7) Use the common answer book for all sections.

**Q1. Write short answers**

**(10x2= 20)**

- a) Name 2 functions of Haemoglobin?
- b) Name 4 Blood group systems?
- c) Write 2 causes of Eosinophilia?
- d) Name 4 diseases where ESR increases?
- e) Name 4 stages of Erythropoiesis?
- f) Name 4 properties of Cardiac muscle?
- g) Name 4 Junctional Tissues of Heart?
- h) Write 4 functions of RES?
- i) Name 4 Valve set of Heart?
- j) Name 4 waves of ECG?

**Q. 2 Write short answers (any 2 out of 4)**

**(2x5= 10)**

- a) RES
- b) WBC
- c) Blood Group
- d) Surfactant

**Q. 3 Write Long answers**

**(2x10= 20)**

- a) Cardiac Cycle?
- b) Mechanism of Respiration?

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**Duration-2Hrs                      PHYSIOLOGY & BIOCHEMISTRY - PAPER – II**  
**Total marks-50**

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- 7) Use the common answer book for all sections.

**Q1. Write short answers** **(10x2= 20)**

- a) Name 4 Bile Salts?
- b) Name 4 functions of stomach?
- c) Define Vomiting?
- d) Name 4 functions of Pancreatic Juice?
- e) Name 4 enzymes of gastric juice?
- f) Name 2 bile pigments?
- g) Write pH, volume and 2 organic substances of bile ?
- h) Name 4 functions of liver?
- i) Name 4 Proteolytic enzymes?
- j) Name 4 Lipolytic enzymes?

**Q. 2 Write short answers** (any 2 out of 4) **(2x5= 10)**

- a) Vomiting
- b) Deglutition
- c) Defecation
- d) Spermatogenesis

**Q. 3 Write Long answers** **(2x10= 20)**

- a) Write properties, composition and functions of Bile?
- b) Write composition and functions of Pancreatic Juice?