

2022

**Multi Skilled Health Worker (MSHW)
(B.Voc. First Semester End Examination-2022)**

PAPER-105T

[Human Physiology]

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group-A

- 1. Answer any five question of the following: 5x2 = 10**
- a) Define cardiac output.
 - b) Define tidal volume (TV). Mention its normal value. 1+1
 - c) Name the hormones secreted from posterior pituitary gland.
 - d) What do you mean by segmental movement of GI tract?
 - e) Write two important functions of rough endoplasmic reticulum(RER).
 - f) Write the functions of WBC.
 - g) Why hormones are called 'Chemical messengers'?
 - h) Describe the types of muscular tissue with their location

(2)

Group-B

2. Answer any four questions of the following: **5x4 = 20**
- a) Briefly explain the process of inspiration and expiration in humans.
 - b) Draw a well-labelled structure of skin, Mention two important functions of skin.
 - c) Describe the process of erythropoiesis.
 - d) Write the functions of thyroxin.
 - e) What are the different types of movements found in small intestine?
 - f) What are the different ways in which CO_2 is transported by venous blood? What is chloride shift?

Group -C

3. Answer any one question of the following: **1x10=10**
- a) i) Describe the nervous regulation of respiration, mentioning the various respiratory centres.
 - ii) Write the functions of haemoglobin. **4+3+3**
 - b) i) Describe the feedback regulation of thyroid hormone.
 - ii) What do you mean by active and passive transport?
 - iii) What are the different phases of cardiac cycle?
3+(2+2)+3