

Total Pages-02

RNLKWC/B.Sc./IIS/MSHW305T//22

2022

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

PAPER-305T

[Human physiology-II]

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) What are EPSP and IPSP?
 - b) Define motor unit?
 - c) What do you mean by 'Excitation contraction coupling'?
 - d) Write the full form of – GCP, CHP, EFP, GFP.
 - e) What is glomerulr filtration rate
 - f) Define menstrual cycle?
 - g) What is gate control theory of pain?
 - h) Define myopia?

(2)

Group-B

2. Answer any four questions of the following: **5x4 = 20**
- a) Draw a labelled diagram of organ of corti. What is the function of organ of corti? $2\frac{1}{2} + 2\frac{1}{2}$
 - b) What are photo receptors cells? What is dark adaptation and what is Iris? $2+2+1$
 - c) What is orgenesis? Write the process of orgenesis. $2+3$
 - d) Write the nonexeretory functions of kidney. What is TM value? $3+2$
 - e) What is reflex action? Orwa reflex are. Name two neurotransmittes. $2+2+1$
 - f) Write the properties of muscle. Draw the structure of a sarcomere labelling different bands. $2\frac{1}{2} + 2\frac{1}{2}$

Group -C

3. Answer any one question of the following: **1x10=10**
- a) i) What is neuromuscular junction?
ii) Briefly explain the synaptic transmission in a chemical synapse
iii) What are isotoxic contraction? Give example. $2+5+3$
 - b) Write the structure of nephrone. Write the role of kidney on acid base balance. $5+5$