Total Pages-5 PG/IIIS/PHY/304.1 & 304.2/23 (CBCS)

M.Sc. 3rd Semester Examination, 2023 PHYSIOLOGY

(Human Physiology)

PAPER - PHY-304.1 & 304.2(CBCS)

Full Marks: 40

Time: 2 hours

Answer all questions

The figures in the right hand margin indicate marks

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

PAPER - PHY-304.1

[Marks : 20]

A. Answer any two questions from the following:

 2×2

1. How do higher pollen concentrations in the air due to climate change impact health?

2. What is meant by waste to energy con-

version?

199	3.	How does epidemiology help in the improvement of health? 2	
	4.	Mention the exogenous sources of CO. 2	
В.	. Answer any two questions from the following		
	5.	What is meant by Ozone depletion? Write a brief note about earth's natural greenhouse effect. $1+3$	
	6.	Briefly describe the 'Iceberg Concept' of disease. Mention the biological hazards responsible for disease development. 2 + 2	
	7.	at are the major environmental cerns related to landfill? What do understand by ecological sanitation?	
	8.	Discuss the role of Carbon Monoxide (CO) poisoning on haemoglobin and other protein binding? 2 + 2	

- C. Answer any one question from the following:
 - What is puberty? Mention four major changes observed in girls during puberty.
 Discuss the mechanism of mercury toxicity with special reference to mercury-thiol binding.
 - 10. Write down the common steps in establishing a relationship between exposure and disease. How can you measure point of prevalence? Mention the difference between sewage and sludge. Define co-composting?
 3+1+2+2

PAPER - PHI-304.2

[Marks : 20]

- A. Answer any two questions from the following:
 - 1. Define adolescence and iatrogenic infection.

2.	What complications may arise d	luring
	delivery and postpartum condition	ons of
	mother?	2

3. What is endometriosis? Mention its causes. 1+1

What is savior sibling? When is the bipotential gonadal ridge found during fetal development.
 1+1

B. Answer any *two* questions from the following:

 4×2

- 5. Write down briefly the genetic control of male sex determination.
- 6. Discuss the causes of subfertility in women. Mention the symptom of pelvic inflammatory disease. 2+2
- 7. Describe the treatment protocol of menopausal complications through HRT system.

- 8. What are meant by 'mental' growth and development? What is placenta previa?
 Define Miscarriage.
 2+1+1
- C. Answer any one question from the following:
 - 9. What is puberty? Mention four major changes observed in girls during puberty. Discuss the socio-economic factors as sociated with STI. Briefly describe the different steps of spermatogenesis.

1+2+2+3

10. Briefly mention the diagnosis process adopted for ectopic pregnancy. Which medicines are prescribed for the treatment of endometriosis. Define "Near-miss" according to WHO. Describe briefly the neonatal complications.
2+2+1+3

[Internal Assessment - 10 Marks]