

Human Physiology (P.G.)

[CBCS]

M.Sc. Third Semester End Examination-2023

(Regular & Supplementary Paper)

PAPER-304 (CBCS)

Full Marks: 40

Time: 02 Hrs

*The figures in the right hand margin indicate full marks
Candidates are required to give their answers in their own words as
far as practicable*

Illustrate the answers wherever necessary

[Use separate answer script for each unit]

Unit – 1

[ENVIRONMENT AND HEALTH]

[F.M. – 20]

- 1. Answer any two questions from the following: 2x2= 4**
- a) What is meant by 'Positive Health'? 2
 - b) Name the development indices for public health. 2
 - c) Define 'DALY' with an example. 1+1
 - d) What is 'e-waste'? Give examples. 1+1

(2)

2. Answer any two questions from the following: $2 \times 4 = 8$
- a) Write a short note on greenhouse effect and its impact on Earth's climate. 4
 - b) Briefly state the effects of CO toxicity on the 'cardiovascular system' and 'Respiratory system'. 2+2
 - c) Mention the adverse chronic effects of microbes on human health. What is genotoxicity? Write down the signs and symptoms of endocrine disruption. 1+1+2
 - d) What do you understand by 'Resource recovery and recycling' with respect to MSW management system. 4

3. Answer any one question of the following: $1 \times 8 = 8$
- a) Define 'Human Development Index' (HDI). Write down the procedure for constructing HDI for a particular country in a particular year. 2+6
 - b) What is "leachate"? Write down the control measures of water pollution. Write the advantages of cohort study design. 2+4+2

Unit - 2

[HUMAN REPRODUCTIVE HEALTH AND RELATED ISSUES]

[F.M. - 20]

1. Answer any two questions from the following: $2 \times 2 = 4$
- a) Mention about the side effects of hormonal contraception? 2
 - b) Define galactopoiesis. 2

(3)

- c) What is implantation window? 2
- d) What is ectopic pregnancy? 2

2. Answer any two questions from the following: $2 \times 4 = 8$
- a) Define ART. Mention the health hazard of ART. 2+2
 - b) Explain the endocrinological changes that occur during menopause. What is gestational hypertension? 3+1.
 - c) Write about the causative organism, symptoms and treatment of Gonorrhoea. 4
 - d) What is cervical remodelling? Briefly discuss on the hormonal regulation of lactation. 1+3

3. Answer any one question of the following: $1 \times 8 = 8$
- a) i) Explain about Microsurgical Epididymal sperm aspiration (MESA).
ii) What are the endocrinal changes that occur during implantation window? 4+4
 - b) i) Discuss about the stages of Intranatal Care.
ii) Write down the advantages of Domiciliary midwifery. 5+3
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