

End Semester Examination, 2021

Semester - III

Human Physiology

PAPER - PHY 304 (U1&U2) (CBCS)

Full Marks : 40

Time : 2 Hours

UNIT - 1

(ENVIRONMENT and HEALTH)

A. Answer any two of the following questions :-

2x2=4

- 1) Name the sources of air pollution. 2
- 2) What is 'positive health' ? 2
- 3) What is "Maximal allowable concentration" (MAC)?
2
- 4) Mention the adverse effects of Pesticides as a
environmental contaminant. 2

B. Answer any two of the following questions :-

2x4=8

- 1) Write a brief indication of important environmen-
tal determinants of health. 4
- 2) What are radionuclides ? What is ionising radia-
tion ? 2+2
- 3) What are the clinical signs and symptoms of Hepa-
titis B ? How can the disease be prevented ? 2+2

- 4) What is global warming ? Write-down its consequences ? 2+2

C. Answer any one of the following questions :

1x8=8

- 1.i) Write two control measures of Water pollution.
 ii) What is genotoxicity ?
 iii) What is 'bioremediation' ?
 iv) What is 'Ozone hole' ? 2+2+2+2
- 2.i) What is opportunistic infection ? Give example. 2
 ii) What is e-waste ? Give example. 2
 iii) State the reasoning of nephrotoxicity ?

UNIT - 2

(HUMAN REPRODUCTIVE HEALTH and RELATED ISSUES)

A. Answer any two of the following questions :

2x2=4

- 1) Mention two common disorders regarding sex-differentiation. 1+1
- 2) What is IVF ?
- 3) What is menopause ? Write down the features of menopause. 1+1
- 4) Write down the Psychological changes during adolescence. 2

B. Answer any two of the following questions :**2x4=8**

- 1) What is meant by reproductive health ? Define puberty. 2+2
- 2) What is STI ? Write its impact on women health. 1+3
- 3) Write a brief note on hormone replacement therapy (HRT). 4
- 4) Describe briefly the transmission mechanism of HIV / AIDS. 4

C. Answer any one of the following questions :**1x8=8**

- i) What are important determinants of maternal health ? 2
- ii) Describe the problems and precautions to be taken by a woman during her pregnancy. 3+3
2. Shortly describe the hormonal regulation of lactation ? What is contraception ? 3+1+1+3
Classify it. Write down the impact of stress on reproductive function in vitro fertilization.