

INTERNAL ASSESSMENT (1ST JUNE, 2023)
DR KANAILAL BHATTACHARYYA COLLEGE
SUBJECT- PHYSIOLOGY HONOURS (PHYA)

PAPER- CC13
(REPRODUCTIVE PHYSIOLOGY AND DEVELOPMENTAL BIOLOGY)

FM-10

TIME- 30 MINS

ANSWER ANY 5 FROM THE FOLLOWINGS:

5x2 =10

1. What is acrosome? What is its function?
2. Mention any two symptoms of menopause.
3. State any two functions of corpus luteum.
4. What do mean by amenorrhea and galactorrhea?
5. State the function of Leydig cell and Sertoli cell.
6. What do you mean by capacitation of sperm?
7. Mention any two differences between estrous and menstrual cycle.
8. What is cryptorchidism?
9. Mention any two differences between adult and embryonic stem cell,
10. What is Blastulation?
11. What is LH-surge? What is its significance?
12. Mention any two physiological application of stem cells.

PAPER- CC14
(EXCRETORY SYTSEM, ENVIRONMENTAL POLLUTANTS & HUMAN HEALTH)

FM-10

TIME- 30MINS

ANSWER ANY 5 FROM THE FOLLOWINGS:

5X2 =10

1. Mention two endocrine functions of kidney
2. What do you mean by Half-life of radio-active molecules?
3. What is non-shivering thermogenesis?
4. Differentiate between ionizing and non-ionizing radiation with examples.
5. Mention the clinical significances of proteinuria and glucosuria.
6. Define TmG.
7. Distinguish between eccrine and apocrine sweat glands
8. What do you mean by autoregulation of renal blood flow?
9. Define filtration fraction.
10. Mention one cause and preventive step of hyperthermia.
11. What are organophosphate pesticides? Give one example

12. Mention any two harmful effects of arsenic on human body.
13. What do you mean by insensible perspiration?

INTERNAL ASSESSMENT (2nd JUNE, 2023)
DR KANAILAL BHATTACHARYYA COLLEGE
SUBJECT- PHYSIOLOGY HONOURS (PHYA)

PAPER- DSE A4
(COMMUNITY AND PUBLIC HEALTH)

FM-10

TIME- 30 MINS

ANSWER ANY 5 FROM THE FOLLOWINGS:

5x2 =10

1. What causes Xerophthalmia? Mention any two symptoms.
2. Define assisted reproductive technology (ART).
3. What is IDD? Mention any two symptoms.
4. Name any two dietary interventions to manage iron deficiency anemia and diabetes.
5. State the importance of OPV and DPT in infant immunization.
6. Mention any two characteristic signs and symptoms of rickets in children.
7. Mention any two causes of infertility in women and men.
8. What are communicable diseases? Name the causative agents of rabies and swine flu.
9. Write any two measures for prevention of AIDS.
10. Mention any two causes of obesity.
11. State any two preventive measures for cholera.
12. Name any two preventive measures against Hepatitis-B infection.

PAPER- DSE B3
(CHRONOBIOLOGY AND STRESS PHYSIOLOGY)

FM-10

TIME- 30 MINS

ANSWER ANY 5 FROM THE FOLLOWINGS:

5x2 =10

1. What is SCN? Why it is known as 'master clock'?
2. What are stressors? Give example of one each of a physical and emotional stressor.
3. State two beneficial role of reactive oxygen species.
4. What is Zeit lag?
5. What causes Caisson's disease?
6. What are zeitgebers? Give example.
7. What is ROS? Give two examples.

8. What is chronotyping?
9. Mention any two preventive measures for hyperbaric environment.
10. What are ultradian and infradian rhythms? Give example.
11. What is the role of catalase in maintaining redox balance.?
12. What is acute mountain sickness?
13. Name the components of glutathione system
14. What are the two symptoms of heat stroke?