| **University of Kerala** | | |
| --- | --- | --- |
| Discipline:ZOOLOGY |  | Time: 1 Hour 30 Minutes (90 Mins.) |
| Course Code: UK1MDZOO101 - 1 |  | Total Marks: 42 |
| Course Title: Health and Sex Education |  |  |
| Type of Course: MDC |  |  |
| Semester: 1 |  |  |
| Academic Level: 100-199 |  |  |
| Total Credit: 3, Theory: 3 Credit |  |  |

Part A. 6 Marks. Time: 6 Minutes

Objective Type. 1 Mark Each. Answer All Questions

(Cognitive Level: Remember/Understand)

| **Qn.**  **No.** | **Question** | **Cognitive**  **Level** | **Course**  **Outcome (CO)** |
| --- | --- | --- | --- |
| 1. | Vaccines are primarily used for:  A) Treating diseases B) Preventing diseases C) Enhancing physical fitness D) Curing infections | Remember | CO1 |
| 2. | Which hormone regulates the release of eggs from the ovaries in females?  A)Estrogen  B) Luteinizing hormone  C) Testosterone    D) Progesterone | Remember | CO2 |
| 3. | Why is sleep considered a key factor in maintaining good health?  A) It only helps in physical recovery.  B) It boosts the immune system and mental well-being.  C) It eliminates the need for exercise.  D) It prevents infectious diseases. | Understand | CO1 |
| 4. | If the vas deferens is cut and sealed during a vasectomy, which of the following processes is affected?  A) Production of sperm by the testis  B). Maturation of sperm in the epididymis  C) Transport of sperm during ejaculation  D) Secretion of seminal fluid | Analyze | CO3 |
| 5. | **A female patient undergoes a hysterectomy. Which function will she lose?**  A) Ovulation  B)Menstruation and pregnancy ability  C)Hormonal regulation  D) Production of eggs | Apply | CO3 |
| 6. | Zygote Intrafallopian Transfer (ZIFT) involves: A)Transfer of sperm directly into the uterus.  B)Transfer of a fertilized egg into the fallopian tubes.  C)Storage of embryos for future use.  D)Collection of eggs from a donor. | Understand | CO4 |

Part B. 8 Marks. Time: 24 Minutes

Short Answer. 2 Marks Each. Answer All Questions

(Cognitive Level: Understand/Apply)

| **Qn.**  **No.** | **Question** | **Cognitive**  **Level** | **Course**  **Outcome (CO)** |
| --- | --- | --- | --- |
| 7. | Match the following structures with their functions:  | **A** | **B** | | --- | --- | | (a )Testis | (1 ) estrogen and progesterone | | (b ) Uterus | (2 ) Sperm production | | ( c) Ovary | ( 3) sperm storage and maturation | | (d ) Epididymis | ( 4) Endometrium | | Apply | CO2 |
| 8. | Name two accessory glands in the male reproductive system and their functions. | Remember | CO2 |
| 9. | What is the role of community health centres in promoting public health? | Understand | CO1 |
| 10. | Differentiate between sexual harassment and sexual assault. | Create | CO4 |

Part C. 28 Marks. Time: 60 Minutes

Long Answer. 7 marks each. Answer all 4 Questions, choosing among options within each question.

(Cognitive Level: Apply/Analyse/Evaluate/Create)

| **Qn.**  **No.** | **Question** | **Cognitive**  **Level** | **Course**  **Outcome (CO)** |
| --- | --- | --- | --- |
| 11. | (a)Explain the process of lactation and analyze the importance of breastfeeding for maternal and child health.  OR  (b)Explain the structural organization of the testis and ovary with labelled diagrams | Apply | CO2 |
|  | (a)Describe the significance of health missions and programs in improving community health in India.  OR  (b)Discuss the role of vaccines in improving public health and preventing disease outbreaks. | Understand | CO1 |
|  | (a)Explain hormonal methods of contraception, their mechanisms of action, and potential side effects.  OR  (b) What are sterilization procedures? Discuss their types, effectiveness, and ethical considerations. | Understand | CO3 |
|  | (a) Evaluate the societal and psychological impacts of gender diversity and the acceptance of LGBTQ+ identities.  OR  (b)Critically assess the challenges faced by the LGBTQ+ community in relation to social, legal, and health services. | Evaluate | CO6 |

| **Cognitive Level** | **Marks** | **Percentage** |  | **Course Outcomes** | **Marks** | **Percentage** |
| --- | --- | --- | --- | --- | --- | --- |
| Remember | 4 | 9.6 |  | CO1 | 11 | 26.09 |
| Understand | 18 | 42.83 |  | CO2 | 12 | 28.57 |
| Apply | 10 | 23.82 |  | CO3 | 09 | 21.43 |
| Analyse | 1 | 2.38 |  | CO4 | 03 | 7.15 |
| Evaluate | 7 | 16.67 |  | CO5 | 00 | 0 |
| Create | 2 | 4.8 |  | CO6 | 07 | 16.76 |
| **TOTAL** | **42** | **100** |  | **TOTAL** | **42** | **100** |