**University of Kerala  
UoK -FYUGP**

| University of Kerala | | |
| --- | --- | --- |
| Discipline: English |  | Time: 1 Hour (60 Mins) |
| Course Code: UK1AECENG111 |  | Total Marks: 28 |
| Course Title: Technology, Science and Imagination 1 |  |  |
| Type of Course: AEC |  |  |
| Semester: 1 |  |  |
| Academic Level: 100-199 |  |  |
| Total Credit: 3, Theory: 2 Credit, Practical: 1 Credit |  |  |

**Part A. 4 Marks. Time: 5 Minutes Objective Type. 1 Mark Each.**

Answer All Questions (Cognitive Level: Remember/Understand)

| Qn. No. | Question | Cognitive Level | Course Outcome (CO) |
| --- | --- | --- | --- |
| 1. | What are the main images used in the poem "All Watched Over by Machines of Loving Grace". | Remember | 1, 2 |
| 2. | Who is Caroline Herschel, and why is she significant in the poem, “Planetorium”? | Remember | 4 |
| 3. | Explain how the poem “When I Heard the Learn’d Astronomer" by Walt Whitman contrasts the speaker's experience of learning about astronomy. | Understand | 1, 2, 3 |
| 4. | What are the key issues or environmental references mentioned in the poem "Letter to Someone Living Fifty Years from Now"? | Understand | 1, 2 |

**Part B. 8 Marks. Time: 15 Minutes**Short Answer. 2 Marks Each. Answer All Questions (Cognitive Level: Understand/Apply)

| Qn. No. | Question | Cognitive Level | Course Outcome (CO) |
| --- | --- | --- | --- |
| 5. | Summarize Mahalanobis's contributions to statistics and survey methodology in India. | Understand | 3, 4 |
| 6. | How does Thunberg's speech reflect broader societal concerns about climate change and the future of the planet? | Understand | 1, 2, 4 |
| 7. | How can you relate the narrator's experiences in the short story "All the Small Things" to the current societal issues or trends regarding technology? | Apply | 1, 2, 4 |
| 8. | How does the poem "The Mushroom Hunters" by Neil Gaiman address the balance between necessity and innovation in scientific development? Write in reference with women’s contributions in the field of science. | Apply | 2, 4 |

**Part C. 16 Marks. Time: 40 Minutes**

**Long Answer. 4 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) |
| --- | --- | --- | --- |
| 9. | 1. If you are given a chance to change the present society through technological innovation, what would you propose? Elaborate with substantial reasons. 2. Prepare a poster on either one of the following topics:    1. Positive Impacts of Technology on Society    2. Negative Impacts of Technology on Society | Apply | 3, 5 |
| 10. | 1. How do Adrienne Rich’s “Planetarium” and Neil Gaiman’s “The Mushroom Hunters” complement or contradict each other's portrayal of women in science? 2. In what ways do the texts,“Planetarium” by Adrienne Rich and “The Mushroom Hunters” by Neil Gaiman explore the concept of “invisible labor” performed by women scientists, both historically and contemporarily? | Analyze | 1, 2, 4 |
| 11. | 1. How does Richard Brautigan’s poem “All Watched Over By Machines of Loving Grace” reflect the optimism surrounding technological progress in the mid-20th century? 2. Does Thunberg's speech adequately address the complexities of climate change and the challenges of implementing solutions? Evaluate. | Evaluate | 1, 3, 4 |
| 12. | 1. Write an imaginative essay on “Life on Earth after 2050” based on [Matthew Olzmann](https://poets.org/poet/matthew-olzmann)’s “Letter to Someone Living Fifty Years from Now” and Dana Martens’ “All the Small Things”. 2. Write a science fiction story about a time traveler who visits the distant future and witnesses the consequences of human actions. | Create | 3, 5 |

| Cognitive Level | Marks | Percentage |
| --- | --- | --- |
| Remember | 2 | 7.1 |
| Understand | 6 | 21.4 |
| Apply | 8 | 28.6 |
| Analyse | 4 | 14.3 |
| Evaluate | 4 | 14.3 |
| Create | 4 | 14.3 |
| TOTAL | 28 | 100.0 |