

QP CODE: D2BCE2403	(Pages: 2)	Reg. No	:	.....
		Name	:	.....
Second Semester B. Sc. (Honours) (FYUGP) Degree Examination April 2025				
AEC ENGLISH				
ENG2FA103(2) : Advanced English Language Skills for Sciences				
Time: 1.5 Hours		Maximum Marks: 50		
Section A				
Read the passage given below and answer the following questions. Each carries 2 marks. (Ceiling:16 Marks)				
<p><b>The Impact of Artificial Intelligence</b></p> <p>Artificial intelligence (AI) is rapidly transforming various aspects of our lives, from healthcare and transportation to entertainment and communication. AI systems, powered by machine learning and deep learning algorithms, can analyze vast amounts of data, recognize patterns, and make intelligent decisions. □</p> <p>One of the most significant impacts of AI is in the field of automation. AI-powered robots and software can perform tasks that were previously done by humans, increasing efficiency and productivity. AI is also revolutionizing healthcare, enabling faster and more accurate diagnoses, personalized treatments, and drug discovery.</p> <p>However, the rise of AI also raises ethical and social concerns. Job displacement due to automation is a major concern, as AI systems become capable of performing a wider range of tasks. Ensuring that the benefits of AI are distributed equitably and that workers are retrained for new jobs is crucial.</p> <p>Another concern is the potential for bias in AI algorithms. AI systems are trained on data, and if the data reflects existing societal biases, the AI will perpetuate those biases. Addressing bias in AI requires careful data selection, algorithm design, and ongoing monitoring.</p> <p>Despite these challenges, the potential benefits of AI are immense. AI has the potential to solve some of the world's most pressing problems, from climate change to disease. Responsible development and deployment of AI are essential to ensure that it serves humanity's best interests.</p> <ol style="list-style-type: none"> <li>1. What are AI systems powered by?</li> <li>2. What is one significant impact of AI?</li> <li>3. How is AI revolutionizing healthcare?</li> <li>4. What is a major ethical concern related to AI?</li> <li>5. What is a potential problem with data used to train AI?</li> <li>6. What is one task that AI-powered robots and software are able to do?</li> <li>7. What is one way to address bias in AI?</li> <li>8. What is one area that AI is transforming?</li> <li>9. What is necessary to ensure that AI serves humanity's best interests?</li> <li>10. What is one way AI helps to solve problems?</li> </ol> <p style="text-align: right;">(PTO)</p>				BL5 CO1, CO2, CO3, CO4, CO5

Section B			
Answer the following questions. Each carries 6 marks. (Ceiling:24 Marks)			
11.	Discuss the scientific and environmental arguments presented in <i>Only An Axe Away</i> regarding the preservation of Silent Valley. How do these arguments contrast with the government's position on development?	BL2	CO1, CO2, CO5
12.	Mention the favourite film of 59. Explain the interests of 59.	BL2	CO5
13.	Analyze the consequences of the Aswan Dam on Egyptian agriculture and the development of soil recovery methods like nanoclay.	BL4	CO1, CO4, CO5
14.	Address Einstein's concern on the potent misuse of scientific knowledge.	BL2	CO1, CO2
15.	Examine how the poem "Relativity" is related to Einstein's theory of Relativity.	BL4	CO1, CO5
Section C			
Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)			
16.	Rose Ben -Oni blends scientific concepts with poetic language to create a sense of awe. Elucidate.	BL4	CO2, CO5
17.	Examine in detail the philosophical reflections of Wislawa Szymborska on the impact of the number pi on the universe.	BL4	CO5
CO : Course Outcome			
BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)			