

## SECOND SEMESTER – B. Tech (Common for all branches with English)

## MID-SEMESTER EXAMINATION, MAY 2023

Course Title- English

Course Code- FCHS005

Time: 1.30 Hours

Max. Marks- 15

Note:- Attempt all questions. Missing data/information if any, maybe suitably assumed & mentioned in the answer.

Q. No.	Questions	Marks	CO
1a	<b>Choose the correct word from the brackets to complete the sentences:</b> 1. My favourite (cereal/serial) is cornflakes.. 2. I ordered the Mexican Hot Pizza, but couldn't eat the (chilli/chilly) on top! 3. We saw a (boar/bore) and a tiger when we visited the local zoo.	1.5	CO 1
1b	<b>One-word substitutions:</b> 1. Incapable of being avoided or presented: <i>inevitable</i> 2. Dwarfed varieties of trees and shrubs in pots: <i>bonsai</i> 3. A place where coins are made: <i>mint</i>	1.5	CO 1
2a	<b>Give the meanings of the following idioms and phrasal verbs:</b> 1. At the eleventh hour: <i>at the last possible moment</i> 2. A fish out of water: <i>person is in completely unsuitable environment</i> 3. A white elephant: <i>expensive but has no useful purpose</i>	1.5	CO 2
2b	<b>Give the meanings of the following foreign phrases:</b> 1. a fortiori: <i>more conclusively</i> 2. beau monde: <i>fashion society</i> 3. dolce vita: <i>life of luxury</i>	1.5	CO 1
3a	<b>Fill in the blanks with appropriate prepositions:</b> 1. Abraham Lincoln was born <u>on</u> 12th February. 2. The soldiers are <u>in</u> war. 3. Robert is fond <u>of</u> gulab jamuns.	1.5	CO 2
3b	<b>Choose the correct word from the brackets:</b> 1. Either he or I (am/are/is) mistaken. 2. Every boy and every girl (was/were) given a packet of sweets. 3. The Arabian Nights (is/are) still a great favourite.	1.5	CO 2
4a	<b>Write a summary of the following text in half its length:</b> Marie was born in 1867 in Warsaw, Poland, where her father was a Professor of Physics. At an early age, she displayed a brilliant mind and a blithe personality. Her great exuberance for learning prompted her to continue with her studies after	1.5	CO 2



high school. She became disgruntled, however, when she learned that the university in Warsaw was closed to women. Determined to receive a higher education, she defiantly left Poland and in 1891 entered the Sorbonne, a French university, where she earned her master's degree and doctorate in physics.

Marie was fortunate to have studied at the Sorbonne with some of the greatest scientists of her day, one of whom was Pierre Curie. Marie and Pierre were married in 1895 and spent many productive years working together in the physics laboratory. A short time after they discovered radium, Pierre was killed by a horse-drawn wagon in 1906. Marie was stunned by this horrible misfortune and endured heartbreaking anguish.

Despondently she recalled their close relationship and the joy that they had shared in scientific research. The fact that she had two young daughters to raise by herself greatly increased her distress.

Curie's feeling of desolation finally began to fade when she was asked to succeed her husband as a physics professor at the Sorbonne. She was the first woman to be given a professorship at the world-famous university. In 1911 she received the Nobel Prize in chemistry for isolating radium. Although Marie Curie eventually suffered a fatal illness from her long exposure to radium, she never became disillusioned about her work.

Regardless of the consequences, she had dedicated herself to science and to revealing the mysteries of the physical world.

**Fill in the blanks with the correct question tags:**

1. It is very cold today, .....?
2. One can't be too careful, .....?
3. Few people knew the answer, .....?

*isn't it?*  
*can one*  
*didn't they*

4b

1.5

CO 1

5a

**Draw a diagram of Johari Window.**

1.5

CO 3

5b

**Write a very short paragraph of not more than sixty (60 words) on the topic- 'Artificial Intelligence and Education'.**

1.5

CO 3

Course Code - FCHS005

Course Title - ENGLISH

Time- 3 Hours

Max. Marks - 40

Note: - Attempt all the five questions. Missing data/ information, if any, may be suitably assumed & mentioned in the answer.

Q. No.	Question	Marks	CO
Q 1	Attempt any 2 parts of the following		
1a	<p>Choose the CORRECT spelling:</p> <p>i) Accomodate; Accomodate; Accommodate; Accommodate</p> <p>ii) Embarras; Embarrase; Embarrass; Embarrass</p> <p>Choose the CORRECT option from brackets:</p> <p>iii) The company has experienced significant _____ growth in the past year. (financial/official/personal)</p> <p>iv) Unfortunately, he had _____ friends. (a few/few/the few)</p>	4	CO1
1b	<p>Write the meaning of the following foreign phrases:</p> <p>i) ad interim</p> <p>ii) beaux arts</p> <p>iii) coup de main</p> <p>iv) ipso facto</p> <p>Write the full form of following abbreviations:</p> <p>i) JPEG ii) WFH iii) DNA iv) FIH</p>	4	CO1
1c	<p>Make sentences using the following homophones:</p> <p>I. cast; caste</p> <p>II. access; excess</p> <p>III. heal; heel</p> <p>IV. accede; exceed</p>	4	CO1

Q 2	Attempt any 2 parts of the following		
2a	<p>Make sentences using the following idioms:</p> <p>i) On cloud nine</p> <p>ii) Crying Wolf</p> <p>Correct the incorrect sentences:</p> <p>iii) I have wrote a letter to my friend.</p> <p>iv) Tom is married with a banker.</p>	4	CO1, CO2
2b	<p>Do as directed (instruction in brackets):</p> <p>i) The teacher said, "The students are working hard." (convert to the indirect speech)</p> <p>ii) The waiter asked me if I would like some more coffee. (convert to the direct speech)</p> <p>iii) The dog chased the cat. (Change the voice)</p> <p>iv) The book was written by Jane Austen. (Change the voice)</p>	4	CO1, CO2
2c	<p>To fill in the blanks, choose the correct option from brackets:</p> <p>i) The library is _____ the park. (near/on)</p> <p>ii) The cat is _____ the table. (in/under)</p>	4	CO1, CO2



	<p>Each consecutive underlined section corresponds with an answer choice. Select the choice that has an error, or select choice E for no error.</p> <p>iii) A <u>Do you think they</u> B <u>will</u> C <u>except our plan</u> D <u>without an argument?</u> E <u>No error.</u></p> <p>1. A 2. B 3. C 4. D 5. E</p> <p>iv) A <u>Work as quick</u> B <u>as you</u> C <u>can but</u> D <u>as carefully as possible when you take the test.</u> E <u>No error.</u></p> <p>1. A 2. B 3. C 4. D 5. E</p>		
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Q 3	Attempt any 2 parts of the following		
3a	What is a SWOT analysis and how does it help in finding one's strengths and weaknesses?	4	CO2, CO3
3b	<p>Write précis of the following passage of about one-third of the original length:</p> <p>Nation building refers to the deliberate and systematic efforts undertaken by a country to develop and strengthen its identity, institutions, and unity. It involves various aspects such as <u>political stability</u>, <u>economic growth</u>, <u>social cohesion</u>, and <u>cultural integration</u>. The process of national building aims to forge a sense of shared purpose, pride, and belonging among the citizens, creating a strong and cohesive nation. Political stability is a cornerstone of nation building. It involves <u>establishing democratic institutions</u>, ensuring the rule of law, and <u>promoting good governance</u>. A stable political environment provides a foundation for effective decision-making, representation, and participation of citizens in shaping the country's future. Economic development plays a vital role in nation building. It entails fostering sustainable economic growth, <u>creating job opportunities</u>, and <u>reducing poverty</u>. A robust economy provides the necessary resources to invest in infrastructure, education, healthcare, and other sectors that contribute to the well-being of the population. Social cohesion is crucial for national building. It involves fostering a sense of unity and solidarity among diverse groups within society. Building social cohesion requires promoting <u>inclusivity</u>, <u>respecting diversity</u>, and addressing <u>social inequalities</u>. It involves ensuring equal opportunities and access to education, healthcare, and basic services for all citizens. Cultural integration is an integral part of nation building. It involves <u>celebrating and preserving cultural diversity</u> while <u>fostering a common national identity</u>. Embracing the cultural heritage of different communities contributes to a sense of shared belonging and promotes social harmony.</p>	4	CO2, CO3, CO5
3c	Write a paragraph on the topic 'My aspirations and aims as a wouldbe engineer.' (100 words)	4	CO2, CO3, CO5

Q 4	Attempt any 2 parts of the following		
4a	Write a cover letter along with a CV or Resume to apply for the position of Software Engineer at Software Inc. in Los Angeles, USA.	4	CO3, CO4
4b	What is 'Statement of Purpose' (SOP)? Write a sample SOP.	4	CO3, CO4



4c	You are in-charge of purchase for XYZ Ltd. Last week you placed an order for purchasing workshop tools which is still pending on seller's end. Write a letter to the manager of 'ABC Tools & Spares' for the cancellation of the aforementioned order.	4	CO3, CO4
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Q 5	Attempt any 2 parts of the following		
5a	<p>Read the passage below and then answer the questions which follow it.</p> <p>In the vast expanse of human knowledge and progress, science and technology have emerged as guiding lights, illuminating our path towards a brighter and more connected future. Over the centuries, humanity's relentless pursuit of knowledge and innovation has transformed our lives, revolutionizing the way we communicate, explore the universe, and understand the mysteries of our existence. From the wonders of quantum mechanics to the intricate workings of genetic codes, science and technology continue to push the boundaries of human understanding and reshape our world. In the realm of science, curiosity is the spark that ignites discovery. Scientists across various disciplines tirelessly explore the depths of their respective fields, unravelling the intricate mechanisms that govern our physical world. Physics, the fundamental science, delves into the nature of matter and energy, providing insights into the workings of the universe itself. It encompasses mind-boggling concepts such as relativity, quantum theory, and the origin of the cosmos. With each breakthrough, our understanding of reality expands, paving the way for technological advancements.</p> <p>Technology, the practical application of <u>scientific knowledge</u>, acts as a bridge between <u>imagination and reality</u>. It transforms abstract ideas into tangible innovations that shape our daily lives. From the invention of the wheel to the advent of artificial intelligence, technology has been the driving force behind human progress. The Industrial Revolution brought forth mechanization and mass production, revolutionizing manufacturing processes. The digital age, with the invention of computers and the internet, transformed the way we access information, communicate, and conduct business. One of the most remarkable achievements of science and technology is the ability to conquer distance and connect people across the globe. Telecommunication networks have shrunk the world, enabling instant communication and information exchange. Mobile phones, once a luxury, are now ubiquitous, empowering individuals with the ability to connect with others anytime, anywhere. The internet has revolutionized the way we access knowledge, providing a vast repository of information at our fingertips. Social media platforms have created virtual communities, fostering global connectivity and cultural exchange. Another realm where science and technology have made extraordinary strides is <u>healthcare</u>. Medical advancements have extended human lifespans, enhanced quality of life, and eradicated or mitigated many diseases. The <u>discovery of antibiotics</u> revolutionized the treatment of infections, saving countless lives. The <u>development of vaccines</u> has effectively prevented the spread of deadly diseases, eliminating the threat of once-devastating epidemics. Cutting-edge technologies such as genomics, nanotechnology, and bioengineering hold the promise of personalized medicine and targeted therapies, offering hope for a healthier future. However, with great power comes great responsibility. The rapid pace of technological advancement brings forth <u>ethical dilemmas and challenges</u>. Issues such as <u>privacy</u>, data security, and the impact of automation on employment need to be carefully addressed. Climate change, fueled by human activities, necessitates sustainable technological solutions to mitigate its effects. The <u>ethical use of emerging technologies</u> like artificial intelligence and biotechnology demands thoughtful regulation and guidelines to ensure their positive impact on society.</p> <p>Questions:</p> <p>Q 1. What is the relationship between science and technology?</p> <p>Q 2. How has technology transformed communication and information access?</p> <p>Q 3. Name two medical advancements that have had a significant impact on healthcare.</p>	4	CO3, CO4



	Q 4. What are some of the ethical challenges posed by rapid technological advancement?		
5b	<p>Write a summary of the following text:</p> <p>Artificial Intelligence (AI) is a revolutionary field of computer science that has transformed the way we interact with technology and perceive the world around us. It encompasses the development of intelligent machines capable of performing tasks that typically require human intelligence, such as visual perception, speech recognition, decision-making, and problem-solving. AI has emerged as a powerful tool, reshaping various industries and opening up new possibilities in fields as diverse as healthcare, finance, transportation, and entertainment. At its core, AI strives to replicate and augment human intelligence in machines. Through the use of algorithms, machine learning, and deep neural networks, AI systems can process vast amounts of data, recognize patterns, and make informed decisions. By learning from experience and improving their performance over time, these intelligent systems can adapt to changing circumstances and provide valuable insights and solutions. AI has revolutionized numerous sectors, enhancing efficiency, accuracy, and productivity. In healthcare, AI-powered systems can analyse medical images and assist in diagnosing diseases, enabling early detection and personalized treatment plans. AI algorithms can sift through vast amounts of patient data to identify patterns and predict outcomes, aiding in disease prevention and management. In finance, AI algorithms can analyse market trends, predict stock prices, and automate trading processes, providing valuable insights for investors and institutions. In the realm of transportation, AI has played a significant role in the development of autonomous vehicles. Through advanced sensor technologies and machine learning algorithms, self-driving cars can navigate roads, avoid obstacles, and make split-second decisions. This technology has the potential to revolutionize transportation systems, improving road safety, reducing congestion, and providing mobility solutions for the elderly and disabled.</p> <p>AI has also permeated our daily lives through virtual assistants and smart home devices. Voice recognition technology, powered by AI, enables us to interact with devices using natural language, making tasks such as searching the web, setting reminders, and controlling appliances effortless. Virtual assistants can learn our preferences and provide personalized recommendations, enhancing our overall user experience. However, the rapid advancement of AI also raises ethical and societal concerns. The potential impact on employment and workforce displacement is a significant consideration. As AI systems automate tasks traditionally performed by humans, there is a need for reskilling and retraining the workforce to adapt to the changing job landscape. Ethical issues, such as data privacy, transparency, and bias, must be addressed to ensure responsible AI development and deployment.</p>	4	CO3, CO4
✓ 5c	What are the key elements to consider when writing a compelling and informative book review? (100 words)	4	CO3, CO4

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