1. How can the principles and techniques of material science be applied in the field of B.Tech. to enhance the performance and durability of engineering components and structures?

2. "How do information technology regulations impact the development and deployment of technological solutions in practical applications?"

3. One potential exam question could be: How can the fundamentals of materials science and engineering be applied in the field of polymer engineering to enhance the properties and performance of polymer materials?

4. Explain how understanding the properties of dielectric materials can be applied in practical applications outside of the field of material science.

5. How does crystallinity affect the physical properties of materials, and how can the knowledge of crystalline structures be applied in classifying and understanding the behavior of different classes of materials such as metals, ceramics, polymers, and composites?

6. How does the concept of close packing in solids relate to the mechanical properties of materials, and how can this knowledge be applied in engineering design processes?