

2023

Design – An Introduction*Full Marks : 100*

Time : Three hours

*The figures in the margin indicate full marks for the questions.**Answer any five questions.*

1.	Describe “Design” in the following context. Use illustration wherever necessary		
	a	Design in Computer Science.	10
	b	Design in Banking and commerce.	10
2.	Establish the connection of Design with the following fields with appropriate examples.		
	a	Design in Art and Social Science	10
	b	Design in Engineering	10
3.	Finding opportunity in a crisis situation may results in evolution of a novel product. Describe a crisis situation that you have experienced and propose an opportunity area out of that crisis with a suitable solution in the form of an innovative idea or a product. Your answer will be evaluated based on the following criteria.		20
	i	Converting opportunity in an innovative idea	
	ii	Converting idea into implementation – the methodology.	
	iii	How the society will be benefited from the idea.	
4.	a	Describe an indigenous technology around you which has the potential and scope for a futuristic evolution. Illustration compulsory.	10
	b	Relate that indigenous technology with Aesthetic, Ergonomic, Scientific and Engineering consideration with appropriate explanation.	10
5.	Explain various steps of a Design process through a hypothetical project. Describe your answer with appropriate illustrations for the project.		20

6	Write short notes on the following.		
	a	YouTuber as alternative career option – positive and negative sides	5
	b	Artificial Intelligence and threat to humanity	5
	c	What makes you interested to study design? Your opinion	5
	d	Digital payment system – how futuristic it is.	5
7	Ergonomic study is an intrinsic part of design. It needs to be considered while developing a prototype for a product wherever human interaction requires. How will you describe the ergonomic features of a Water bottle for children studying in nursery level? Use appropriate illustration for explanation.		20

Central Institute Of Technology
Kokrajhar :: Bodoland



ESTD. : 2006

असतो मा सत गमय
तमसो मा ज्योतिर्गमय