



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF DESIGN
END TERM EXAMINATION - JAN 2023**

Semester : Semester VII - 2019

Course Code : BDP404

Course Name : SEM VII - BDP404 - Complex Product Design

Program : B. Design - PD

Date : 13-JAN-2023

Time : 9.30AM - 12.30PM

Max Marks : 100

Weightage : 50%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.

PART-A

ANSWER ALL THE FOLLOWING QUESTIONS

3Q X 10M = 30M

1. Describe robotics. Describe the principles of robotics and go over its components in detail?
(CO3,CO4) [Knowledge]
2. How can designers evaluate a product's ergonomic compatibility for various user groups, such as kids or people with disabilities?
(CO3,CO4) [Knowledge]
3. What are the main characteristics and capabilities of mobile phones, and how do they enhance and benefit the entire user experience?
(CO4,CO3) [Knowledge]

PART-B

ANSWER ALL THE FOLLOWING QUESTIONS

2Q X 15M = 30M

4. Sketch the mouse's exploded view and its internal parts. Describe the materials utilized and make suggestions for alternative materials that might be better suited for the product.
(CO3,CO4) [Comprehension]
5. Provide a solution to the problem and describe it with a drawing or a 3D model.
A design student is seen carrying supplies such as charts, pencils, colors, and materials, etc.
(CO3,CO4) [Comprehension]

PART-C

VIVA / JURY

1 X 40M = 40M

6. Present the given topic and defend the jury clarifications.

(CO3,CO4) [Application]
