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MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B. DES. (ID) DEGREE EXAMINATION – DEC 2019/JAN 2020

SUBJECT: ID 2102 – PRODUCT DESIGN
(2018 SCHEME)

Thursday, January 02, 2020

Time: 10:00 – 16:00 (6 Hrs.)

Max. Marks: 50

INSTRUCTIONS:

- ✍ The sitting of 6 hours is continuous at the end of which the candidate shall submit drawings as indicated.
- ✍ No sheets will be allowed to be taken out of or into the examination hall.
- ✍ Non – messy snacks are permitted to be taken by students during examination.
- ✍ Answers shall be drawn and written on drawing sheets only.
- ✍ The medium of presentation, - i.e. Pencil, Crayon, Ink. etc. is left to the choice of the candidate.
- ✍ Use of any gadgets such as mobile phones, laptop etc are strictly forbidden.
- ✍ Assume suitable data wherever necessary.
- ✍ Sketches should be neat and proportionate.

DESIGN A MOBILE STAND THAT ALSO ACTS AS A SOUND AMPLIFIER

1. In what ways is your design more advantageous than the existing designs in terms of functions? Explain it through sketches.
(5 marks)
2. Develop two possible design concepts incorporating the design elements of Dieter Rams and validate your choice through sketches.
(4+8+8 = 20 marks)
3. Elaborate on the materials used and the various manufacturing techniques used to design the product. Illustrate the principles of sustainable design imbibed in your product.
(5+2 = 7 marks)
4. Illustrate the finalized concept of the product through a **rendered Isometric view**.
(The design must be sketched to proportion)
(2+6 = 8 marks)
5. **Draw a detailed**
 - 5A. plan
 - 5B. 1 section and
 - 5C. 2 elevations

(Assume the necessary dimensions and anthropometrics for your product and represent them. Specify the materials as well)

(3+3+4 = 10 marks)

