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MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD SEMESTER B. DES. (ID) DEGREE EXAMINATION – NOVEMBER 2019
SUBJECT: ID 2102 – PRODUCT DESIGN
(2018 SCHEME)

Thursday, November 21, 2019

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 VERSATILE LAPTOP CUM WORKING TABLE WHICH CAN BE USED
WHILE SITTING ON A BED.**

1. Elaborate on the design functions and aspects that have to be considered while designing a laptop cum working table. Illustrate through various sketches.
(5 marks)
2. Develop a design concept for your laptop cum working table which is versatile in nature especially for work at home users.
Note: The details of the facilities is up-to the students. The product must have a minimum of two or more unique functions.
(4+8+8 = 20 marks)
3. Illustrate the finalized concept of the product through a **rendered Isometric view**.
(The design must be sketched to proportion)
(2+6 = 8 marks)
4. **Draw:**
 - 4A. Detailed plan
 - 4B. 1 elevation
 - 4C. 1 section and
 - 4D. Exploded view of your design(Assume the necessary dimensions and anthropometrics for your product and sketch them to proportion. Specify the materials used.)
(2+2+3+3 = 10 marks)
5. Elaborate on the materials used for the table along with the manufacturing process used to achieve the design.
(5+2 = 7 marks)

