



**ADAMAS UNIVERSITY**  
**END-SEMESTER EXAMINATION : JANUARY 2021**  
(Academic Session: 2020 – 21)

<b>Name of the Program:</b>	B.Tech	<b>Semester:</b> (I/III/ V/ VII/IX)	III
<b>Paper Title :</b>	Design Thinking for Engineers	<b>Paper Code:</b>	EMC42101
<b>Maximum Marks :</b>	40	<b>Time duration:</b>	3 hrs
<b>Total No of questions:</b>	8	<b>Total No of Pages:</b>	1
<i>(Any other information for the student may be mentioned here)</i>			

***Answer all the Groups***

**Group A**

Answer all the questions of the following

$5 \times 1 = 5$

1.    a) What is design thinking?
- b) What are the components of design thinking model?
- c) What is empathy mapping?
- d) What are the stages of design thinking?
- e) How to distinguish problems for design thinking?

**GROUP –B**

Answer *any three* of the following

$3 \times 5 = 15$

2.    In design thinking, who is the client and target audience?
3.    What are primary and secondary research in design thinking?
4.    How ideation depends on research information?
5.    Do all potential solutions require prototyping?

**GROUP –C**

Answer *any two* of the following

$2 \times 10 = 20$

6.    Describe the steps of design thinking project with an elaborate example.
  7.    How innovation is correlated with design thinking?
  8.    How to be successful in pitching for any idea? Explain with an example.
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