



# PRESIDENCY UNIVERSITY

BENGALURU

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| Roll No. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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## Mid - Term Examinations – JUNE 2025

**Date:** 04 – 06- 2025

**Time:** 02:00 pm – 03:30 pm

|                              |            |            |                                                          |            |                       |
|------------------------------|------------|------------|----------------------------------------------------------|------------|-----------------------|
| <b>School:</b> SOM-PG        |            |            | <b>Program:</b> MBA                                      |            |                       |
| <b>Course Code :</b> MBA2043 |            |            | <b>Course Name :</b> Technology Foundations for Business |            |                       |
| <b>Semester:</b> II          |            |            | <b>Max Marks:</b> 50                                     |            | <b>Weightage:</b> 25% |
| <b>CO - Levels</b>           | <b>C01</b> | <b>C02</b> | <b>C03</b>                                               | <b>C04</b> | <b>C05</b>            |
| <b>Marks</b>                 | <b>34</b>  | <b>16</b>  |                                                          |            |                       |

### Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

### Part- A

**Answer ALL the Questions. Each question carries 3marks.**

**5Q x 3M=15 Marks**

|          |                                                                                                                                             |                |                  |            |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|------------|
| <b>1</b> | Recognize the strengths and weaknesses of the Waterfall Model of Software Development.                                                      | <b>3 Marks</b> | <b>Knowledge</b> | <b>C01</b> |
| <b>2</b> | With the help of a neat sketch, explain the Agile Model of SDLC.                                                                            | <b>3 Marks</b> | <b>Knowledge</b> | <b>C01</b> |
| <b>3</b> | Define the term "Business Process Management (BPM)".                                                                                        | <b>3 Marks</b> | <b>Knowledge</b> | <b>C02</b> |
| <b>4</b> | List the capabilities of Database Management Systems.                                                                                       | <b>3 Marks</b> | <b>Knowledge</b> | <b>C02</b> |
| <b>5</b> | While BPM techniques enable the organization to modify existing processes and align them with a desired future state, list what BPM is NOT. | <b>3 Marks</b> | <b>Knowledge</b> | <b>C01</b> |

### Part- B

**Answer all the Questions**

**2Qx10M = 20 Marks**

|           |           |                                                                                                                  |                |                    |            |
|-----------|-----------|------------------------------------------------------------------------------------------------------------------|----------------|--------------------|------------|
| <b>6.</b> | <b>a.</b> | With the help of a neat sketch, illustrate the Strategic Business IT Alignment Triangle, with suitable examples. | <b>10 Mark</b> | <b>Application</b> | <b>C01</b> |
| <b>Or</b> |           |                                                                                                                  |                |                    |            |

|           |           |                                                                                                                                                                                                 |                |                    |            |
|-----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|------------|
| <b>7.</b> | <b>a.</b> | Information Technology (IT) has an impact on various business processes. With reference to this context, identify at least five (5) capabilities that IT can impact and explain their benefits. | <b>10 Mark</b> | <b>Application</b> | <b>CO1</b> |
|-----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|------------|

|           |           |                                                                                       |                |                    |            |
|-----------|-----------|---------------------------------------------------------------------------------------|----------------|--------------------|------------|
| <b>8.</b> | <b>a.</b> | Explain the functions of Management Information Systems (MIS) with suitable examples. | <b>10 Mark</b> | <b>Application</b> | <b>CO2</b> |
| <b>Or</b> |           |                                                                                       |                |                    |            |
| <b>9.</b> | <b>a.</b> | With the help of a neat sketch, illustrate the Information System (IS) Triangle.      | <b>10 Mark</b> | <b>Application</b> | <b>CO2</b> |

### Part- C

**Answer the following questions**

**1Qx15M=15Marks**

|            |           |                                                                                                                                                                                                                                                                |                |                    |            |
|------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|------------|
| <b>10.</b> | <b>a.</b> | Software Development Life Cycle (SDLC) is very useful in the software industry. Considering this context, answer the following questions:<br><br>(a) Illustrate the various phases of SDLC with the help of a neat sketch<br><br>(b) Show various SDLC models. | <b>15 Mark</b> | <b>Application</b> | <b>CO1</b> |
|------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|------------|

**\*\*\*\*\* BEST WISHES \*\*\*\*\***