

Roll No.: \_\_\_\_\_

Enrollment No. \_\_\_\_\_

**PARUL UNIVERSITY**  
**PARUL INSTITUTE OF PHARMACY**

**M.PHARM FIRST SEMESTER · FIRST INTERNAL EXAMINATION: 2019-20**

**Subject Name:** MOLECULAR PHARMACEUTICS (NANO TECHNOLOGY & TARGETED DDS) (NTDS)

**Subject Code:** MPH 201T

**Time:** 10:00 am to 11:30 am

**Date:** 27/01/2020

**Total Marks:** 30

**Instructions:**

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

**Q.1** Long Answers: (Any One)

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|-----|--|----|
| (1) | What is Targeted drug delivery system? Discuss in detail.                        | 10 |
| (2) | Explain Pulmonary drug delivery with formulation and delivery devices in detail. | 10 |

**Q.2** Short Answers: (Any Four)

- |     |  |    |
|-----|--|----|
| (1) | Discuss evaluation of Pulmonary drug delivery.               | 05 |
| (2) | Explain Approaches for tumor targeting.                      | 05 |
| (3) | Describe methods for preparation of nanoparticles in detail. | 05 |
| (4) | Discuss characterization of Nanoparticle.                    | 05 |
| (5) | Describe principle of tumor targeting.                       | 05 |

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