

PARUL UNIVERSITY
Faculty of Engineering & Technology
B Tech Examination

Subject Code: (203104348) Subject Name: Metro System & Engineering
 Branch/Semester: CIVIL ENGINEERING

[Date: 3/8/2022]

[Time: 10:30 to 12:00]

[Total Marks: 40]

Sr.No.		Marks
Q.1	<p>(A) Multiple Choice Questions</p> <p>(i) Which of the following is not a component of the rail? a) Ballast b) Foot c) Web d) Head</p> <p>(ii) Which type of gauge is used in metro (a) Narrow (b) standard (c) Brodd gauge (d) meter gauge</p> <p>(iii) Width of standard gauge is? (a) 1.4m (b) 1.6m (c) 1.0m (d) 0.76m</p> <p>(iv) The first metro train is started in which city? (a) Delhi (b) Noida (c) Bombay (d) Kolkata</p> <p>(v) Design speed of metro is? (a) 75 kmph (b) 80kmph (c) 100kmph (d) 85kmph</p> <p>(B) Fill in Blanks</p> <p>(i) Full form of PHPDT is?</p> <p>(ii) Metro system is a grade separated dedicated system for high peak hour traffic densities exceeding _____ PHPDT</p> <p>(iii) Light Capacity Metro System is a dedicated metro rail system for moderate peak hour traffic densities exceeding _____ PHPDT.</p> <p>(iv) Desirable Minimum radius of horizontal curve is ?</p> <p>(v) The viaducts carrying the tracks will have a vertical clearance of _____ above road level</p>	05
Q.2	<p>Attempt any four(Short Questions)</p> <p>(1). Write Brief history of metro rail</p> <p>(2) Write advantages of metro rail system</p> <p>(3) Write types of rail used in public transport</p> <p>(4) Discuss different between monorail & metro rail</p> <p>(5) Enlist the name of Indian cities are having metro rail.</p>	(12)