

S.M.D COLLEGE , PUNPUN

ASSIGNMENT QUESTIONS UG SEMESTER 3 (2023-27)

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SUBJECT : **Mathematics - MJC 3**

LAST SUBMISSION DATE - **25-10-2024**

1. Prove that every convergent sequence is bounded. Give an example of a bounded sequence which is not convergent.
 2. State and prove Bolzano Weierstrass theorem.
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SUBJECT : **Mathematics - MJC 4**

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Solve

1. $dy/dx = y/x + x \sin y/x$
2. $x^2dy + y(x+y) dx = 0$

Assignment Solution:

<https://www.collegehelper.in/colleges/smdcollege/smd-semester3-assignment-2024/>

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