## Courses » Integral Equations,calculus of variations and its applications

Announcements Course Ask a Question Progress Mentor FAQ

## Unit 1 - How to access the portal

## Course outline

How to access
the portal
How to access the home page?

How to access the course page?

How to access the MCQ, MSQ and
Programming assignments?

Quiz :
Assignment0
New Lesson

Week-1

Week 2

## Week 3

Week 4
Week 5

Week 6

Week 7

Week 8

```
WEEKLY
FEEDBACK
```

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Accepted Answers:
$y=x^{2}-1$
3) The extremizing curve of Brachistochrone problem is a
circlecatenarycycloid

- straight line

No, the answer is incorrect.
Score: 0
Accepted Answers:
cycloid
4) 1 point

Which of the following functions is a solution of the
Volterra integral equation

```
\int}
```

```
            1+x
```

```1-x
```

```\(x-1\)
```

No, the answer is incorrect.
Score: 0
Accepted Answers:
1-x
5) Which of the following functions is solution of the Fredholm integral equation
$\phi(x)+\int_{0}^{1} x\left(e^{x t}-1\right) \phi(t) d t=e^{x}-x$


No, the answer is incorrect.
Score: 0
Accepted Answers:
1
6)

1 point
Which one of the functions is a solution of Volterra integral equation


No, the answer is incorrect.

Score: 0
Accepted Answers:
$\frac{1}{2}$

