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NPTEL

Courses » **Engineering Economic Analysis**

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Unit 2 - Unit-1 (Week 1)

Assignment 1

The due date for submitting this assignment has passed. **Due on 2018-02-21, 23:59 IST.**
As per our records you have not submitted this assignment.

1) Engineering is concerned with two interconnected environments, that are   *1 point*

- ○ Physical & economic

- ○ Physical & chemical

- ○ Static & dynamic

- ○ Limiting & strategic

No, the answer is incorrect.
Score: 0

Accepted Answers:
Physical & economic

2) If Rs.1000 is invested now at 10% interest annually, two equal year end payment *1 point* value of Rupees…………. can be received.

- ○ 623.2
- ○ 600.0
- ○ 576.2
- ○ 520.2

No, the answer is incorrect.
Score: 0

Accepted Answers:
576.2

3) An enthusiastic new engineering graduate plans to start a consulting firm by   *1 point* borrowing Rs. 100,000 at 10% per year interest. The loan payment each year to pay off the loan in 7 years is approximately

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○

Rs. 18,745

○

Rs. 20,540

○

Rs. 22,960

○

Rs. 23,450

No, the answer is incorrect.
Score: 0

Accepted Answers:
Rs. 20,540

An engineer who believed in "save now and play later" wanted to retire in 20 years *1 point* with Rs. 15,00,000. At 10% interest compounded annually, to reach the Rs. 15,00,000 goal, the engineer must annually invest an equal year end amount of

○

Rs. 26,250

○

Rs. 28,190

○

Rs. 49,350

○

Rs. 20,380

No, the answer is incorrect.
Score: 0

Accepted Answers:
Rs. 26,250

5) A machine undergoes a major over haul now, because of which additional cash   **1 point** flow of Rs 20,000 is generated at the end of each year for five years. If i = 15% per year, the amount that can be afforded to invest to overhaul the machine will be

○

Rs 67,221

○

Rs 67,044

○

Rs 68,044

○

Rs 68,221

No, the answer is incorrect.
Score: 0

Accepted Answers:
Rs 67,044

6) A company is considering the purchase of a machine for Rs. 50,000. If the   **1 point** company purchases the machine now, the equivalent future amount in year 4 (using year end convention) that the company is paying for the machine at 4% per year interest is

○

Rs. 53,362

   ○

Rs. 56,565

   ○

 Rs. 58,492

   ○

Rs. 60,203

No, the answer is incorrect.
Score: 0

Accepted Answers:
   Rs. 58,492

7) A father, on the day his son is born, wishes to deposit an amount that would *1 point* provide withdrawals of Rs. 20,000 on each of the son's 18th, 19th, 20th, and 21st birthdays. At interest of 12% per year, the amount to be deposited will be

   ○

Rs. 8,385

   ○

Rs. 8,845

   ○

Rs. 9,035

   ○

Rs. 10,025

No, the answer is incorrect.
Score: 0

Accepted Answers:
   Rs. 8,845

8) A person has an option to purchase a piece of land that will be worth Rupees 10 *1 point* Lakhs in six years. If the value of land increases at 8% each year, the investor willing to pay for the property now will be

   ○

Rs. 505600

   ○

Rs. 580330

   ○

Rs. 630200

   ○

Rs. 680203

No, the answer is incorrect.
Score: 0

Accepted Answers:
   Rs. 630200

9) A person borrows Rupees 10000 for eight years. The amount he has to repay at the *1 point* end of eighth year at 10% rate of interest compounded annually will be

   ○

Rs. 18336

   ○

Rs. 21436

○

    Rs. 23506

○

    Rs. 24890

No, the answer is incorrect.
Score: 0

Accepted Answers:
   Rs. 21436

If eight annual deposits of Rs 5000 each are placed in an account, the money that **1 point** will be accumulated immediately after last deposit at 10% rate of interest compounded annually will be

○

    Rs. 50050

○

    Rs. 57180

○

    Rs. 58760

○

    Rs. 60090

No, the answer is incorrect.
Score: 0

Accepted Answers:
   Rs. 57180

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