CC 14 UNIT 1

Answer all the following questions.

subhajit@nvc.ac.in Switch account

* Required

Email *

Your email

Name: *

Your answer

Registration Number *

Your answer

Roll Number *

Your answer

1. Which of the following statement is true?
   a) A ring R can be embedded in a ring S with unity.
   b) A ring R with unity can be embedded in a ring S with unity.
   c) Both a and b
   d) Neither a nor b.

   ○ a

   ○ b

   ○ c

   ○ d

2. A ring R of characteristic 5 is embedded in a ring with unity. Then the characteristic of S is
   a) 0   b) 1   c) 3   d) 5

   ○ a

   ○ b

   ○ c

   ○ d

3. "An integral domain can be embedded in a field"- the statement is
   a) True   b) False

○ a

○ b

---

4. If R is a ring and $f(x), g(x)$ is polynomial in $R[x]$, then $deg(f(x)g(x))$
   a) $\leq deg(f(x)) + deg(g(x))$
   b) $\geq deg(f(x)) + deg(g(x))$
   c) $= deg(f(x)) + deg(g(x))$
   d) None of the above

○ a

○ b

○ c

○ d

---

5. Which of the following statement is true?
   a) $4x^2 + 4x + 1$ is reducible over $\mathbb{Q}$
   b) $4x^2 + 4x + 1$ is reducible over $\mathbb{Z}$
   c) Both a and b
   d) Neither a nor b

○ a

○ b

○ c

○ d

!

Submit   Clear form

Never submit passwords through Google Forms.

Google Forms