Pop Quiz 05

Multiple Choice

3/5 points (graded)

In the following, write your BRACU ID# and section number first. After you submit the quiz, it will show that the ID# and Section numbers are wrong. Please ignore this messages. You score will based on the MCQs only.

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Your BracU ID #

19101239 ✖

Your Theory class section #:

- [ ] 1
- [ ] 2

- [ ] 3
- [ ] 4
- [ ] 5
- [x] 6

✖

Below are the MCQs:

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Q#1: Which of the following is the degree of of the Hermite Interpolation polynomial:

- ○ $n + 2$
- ○ $2n + 2$
- ◉ $2n + 1$
- ○ $n + 1$

✔

Q#2: The bases of a Hermite Polynomial are:

- ○ $h_k'(x), \hat{h}_k(x)$
- ◉ $h_k(x), \hat{h}_k(x)$
- ○ $f(x_k), f'(x_k)$

- ◯ $l_k(x)$, $\hat{l}_k(x)$

✔

Q#3: The values of the basis can be found using:

- ◯ Lagrange Polynomial only.
- ◉ Lagrange polynomial or Newton's Divided Difference.
- ◯ None of the above.
- ◯ Newton's Divided Difference only.

✔

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