Score: _____

1. I would have preferred if the module ran for 12 weeks instead of 6 because the pace was too fast.

- (A) Strongly agree
- (B) Agree
- (C) Neutral
- (D) Disagree
- (E) Strongly disagree

2. I liked that Model Driven Development (CS4101) and Foundations of Computer Science (CS4221) didn't run at the same time.

- (A) Strongly agree
- (B) Agree
- (C) Neutral
- (D) Disagree
- (E) Strongly disagree

3. Two hour lectures are too long.

- (A) Strongly agree
- (B) Agree
- (C) Neutral
- (D) Disagree
- (E) Strongly disagree

4. The quizzes made me more likely to keep up with material.

- (A) Strongly agree
- (B) Agree
- (C) Neutral
- (D) Disagree
- (E) Strongly disagree

5. **It would have been better if we had two 2 hour labs instead of one 2 hour lab.**

(A) Strongly agree

(B) Agree

(C) Neutral

(D) Disagree

(E) Strongly disagree

6. **There was no need to take a break during the lecture.**

(A) Strongly agree

(B) Agree

(C) Neutral

(D) Disagree

(E) Strongly disagree

7. **I would have preferred if we had a substantial project (counting for 30% or more of the final grade) during the semester.**

(A) Strongly agree

(B) Agree

(C) Neutral

(D) Disagree

(E) Strongly disagree

8. **The quizzes were challenging but not too difficult.**

(A) Strongly agree

(B) Agree

(C) Neutral

(D) Disagree

(E) Strongly disagree

9. **I enjoyed the extra credit assignments and explanations.**

(A) Strongly agree

(B) Agree

(C) Neutral

(D) Disagree

(E) Strongly disagree

10. The extra credit assignment explanations were helpful understanding concepts such as Map.

A Strongly agree

B Agree

C Neutral

D Disagree

E Strongly disagree

11. Given the following expression, which statement is true?

(lambda (y) (lambda (x) (x y)) (lambda (z (z y))) y)

A x occurs bound; y occurs free; z occurs bound.

B x occurs bound; y occurs both free and bound; z occurs bound.

C x occurs free; y occurs free; z occurs free.

D x occurs bound; y occurs bound; z occurs bound.

E x occurs both free and bound; y occurs both free and bound; z occurs both free and bound.

12. Which AST is equivalent to ((⬛ x. x 4 2) (⬛ xy. * 1 x))?

A A

B B

C C
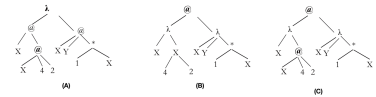
13. Given the following Racket definitions, what is the value of **x**?

```
(define x 3)
(define y '(1 2 3))
(define sqr (lambda (x) (* x x)))
(define x (map sqr y))
```

A 9

B 3

C 1

D (1 4 9)

E 4

14. Given the following Racket definitions, what is the value of x?

```
(define x 3)
(define y '(1 2 3))
(define sqr (lambda (x) (* x x)))
(define x (map sqr y))
```

(A) 9

(B) 3

(C) 1

(D) (1 4 9)

(E) 4

15. Given the following Racket definitions, what is the output?

```
(define x 1)
(define y 2)
(define z 3)
(define addNum (lambda (y) (+ y 1)))
(addNum x)
```

(A) 1

(B) 2

(C) 3

(D) 4

(E) 5

(F) 6

16. Given the following Racket definitions, what is the output?

```
(define x 1)
(define y 2)
(define z 3)
(define addNum (lambda (y) (+ y 1)))
(addNum y)
```

(A) 1

(B) 2

(C) 3

(D) 4

(E) 5

(F) 6

17. Given the following Racket definitions, what is the output?

```
(define x 1)
(define y 2)
(define z 3)
(define addNum (lambda (y) (+ y 1)))
(addNum (+ y (addNum y)))
```

A 1

B 2

C 3

D 4

E 5

F 6

18. What does this expression evaluate to in Racket? **(or #f (> 2 3) -1 7)**

A #t

B #f

C -1

D 7

19. What does this expression evaluate to in Racket? **(or #f (< 2 3) -1 7)**

A #t

B #f

C -1

D 7

20. What does this expression evaluate to in Racket? **(and #t (< 2 3) -1 7)**

A #t

B #f

C -1

D 7

21. What does this expression evaluate to in Racket? **(and #t (> 2 3) -1 7)**

A #t

B #f

C -1

D 7