

NATIONAL UNIVERSITY OF SINGAPORE

CS3241 — Computer Graphics

AY2022/2023 Semester 1

Final Assessment

Time Allowed: 2 Hours

ANSWER SHEET

STUDENT NUMBER											
A											
U	<input type="radio"/>	0	0	0	0	0	0	0	A	N	
A	<input checked="" type="radio"/>	1	1	1	1	1	1	1	B	R	
HT	<input type="radio"/>	2	2	2	2	2	2	2	E	U	
NT	<input type="radio"/>	3	3	3	3	3	3	3	H	W	
		4	4	4	4	4	4	4	J	X	
		5	5	5	5	5	5	5	L	Y	
		6	6	6	6	6	6	6	M		
		7	7	7	7	7	7	7			
		8	8	8	8	8	8	8			
		9	9	9	9	9	9	9			

(1) [5 marks]

```
gluLookAt(
```

(2) [8 marks]

```
glFrustum(
```

```
gluLookAt(
```

(3) [5 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(4) [3 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(5) [5 marks]

(6) [4 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(7) [3 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(8) [3 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(9) [5 marks]

Ideal mipmap level:

(10) [2 marks]

Texture coordinates:

(11) [2 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(12) [3 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(13) [3 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(14) [3 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(15) [4 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(16) [5 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(17) [5 marks] (MCQ)

☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G ☐ H

(18) [4 marks]

$x(u) =$

$y(u) =$

(19) [4 marks]

$\mathbf{p}_0 =$

$\mathbf{p}_1 =$

$\mathbf{p}_2 =$

$\mathbf{p}_3 =$

(20) [5 marks]

$\mathbf{p}_0 =$

$\mathbf{p}_1 =$

$\mathbf{p}_2 =$

$\mathbf{p}_3 =$

(21) [5 marks]

$s_0 =$

$s_1 =$

$s_2 =$

$s_3 =$

(22) [4 marks]

$s_0 =$

$s_1 =$

$s_2 =$

$s_3 =$

———— **END OF ANSWER SHEET** ————