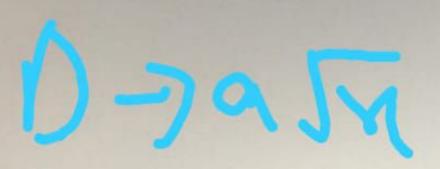




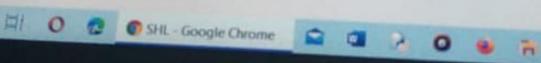
Choose the correct option

Value of $\int_0^a \int_0^{\sqrt{x}} 1 dx dy$ is equal to

a) 6 b) 4 c) 10 d) None of these

















Choose the correct option

$$\int_0^2 \int_0^{\sqrt{2}x} xy dy dx$$

a) 4

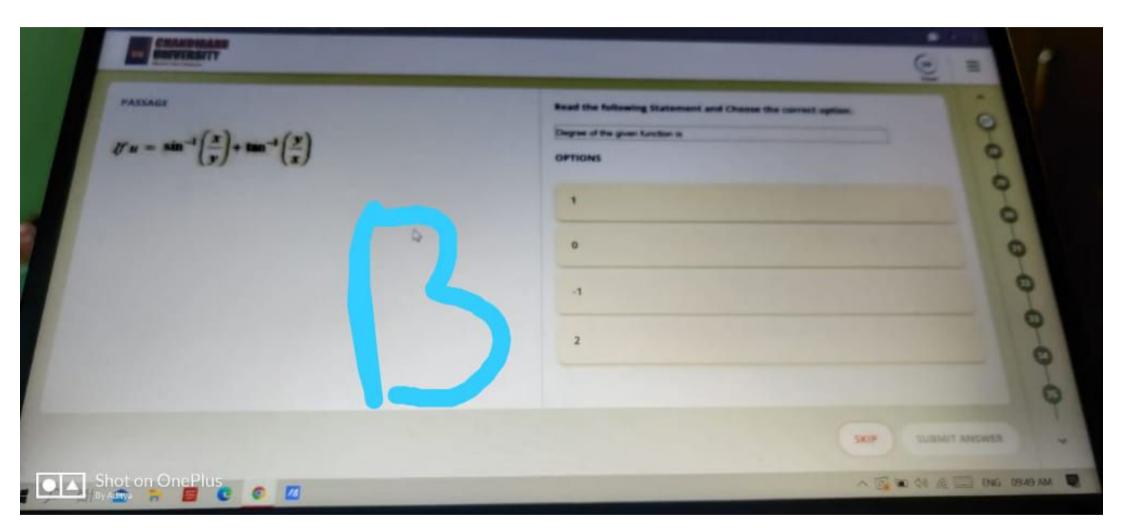
$$b)\frac{8}{3}$$

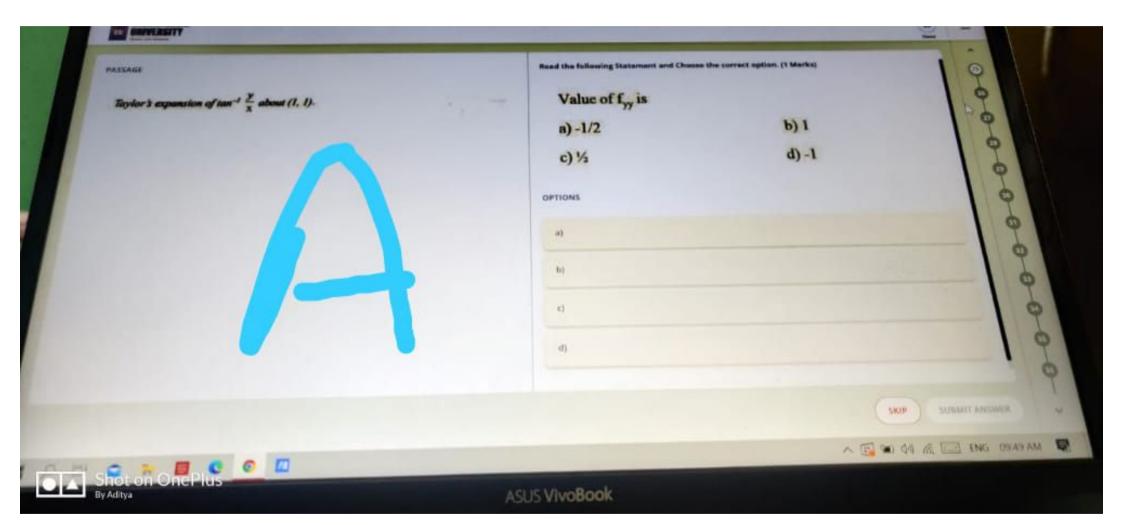
OPTIONS

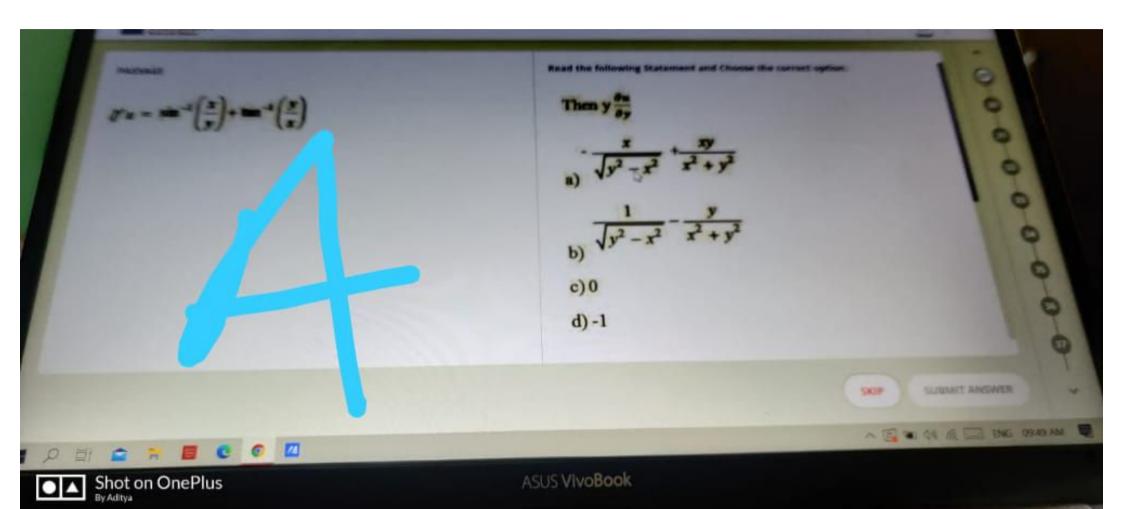
d

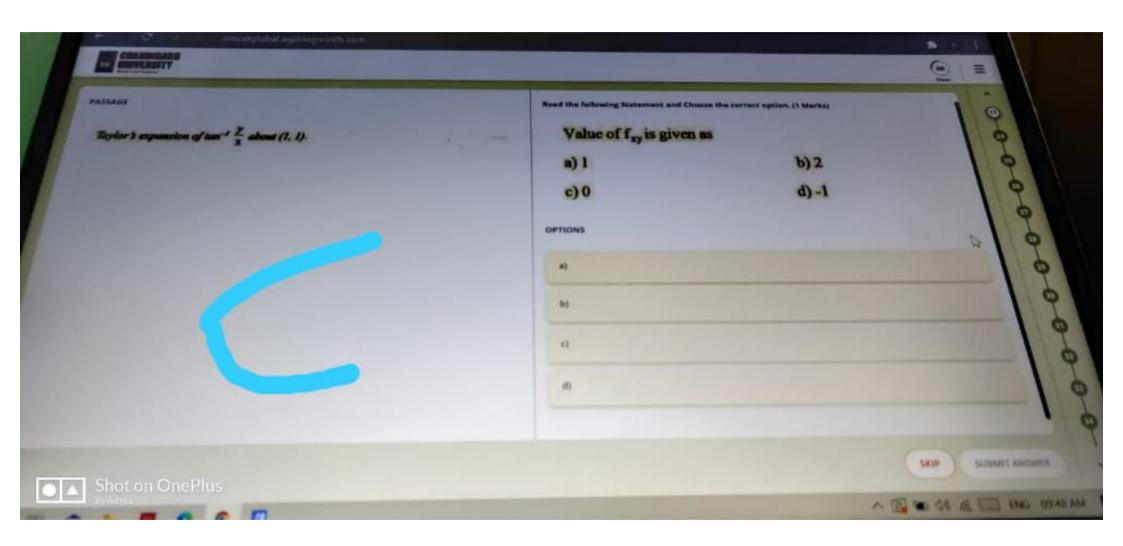
b

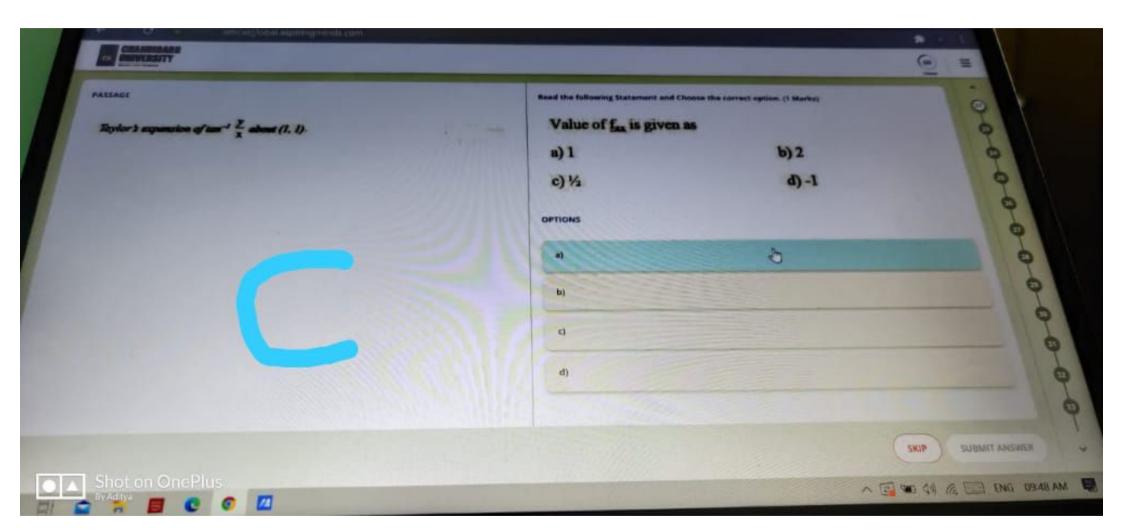


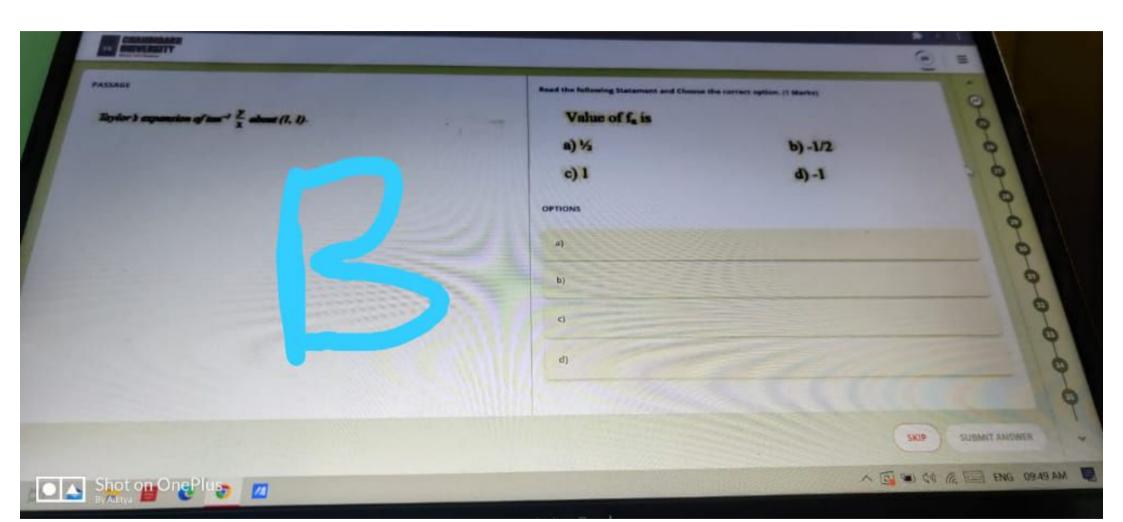


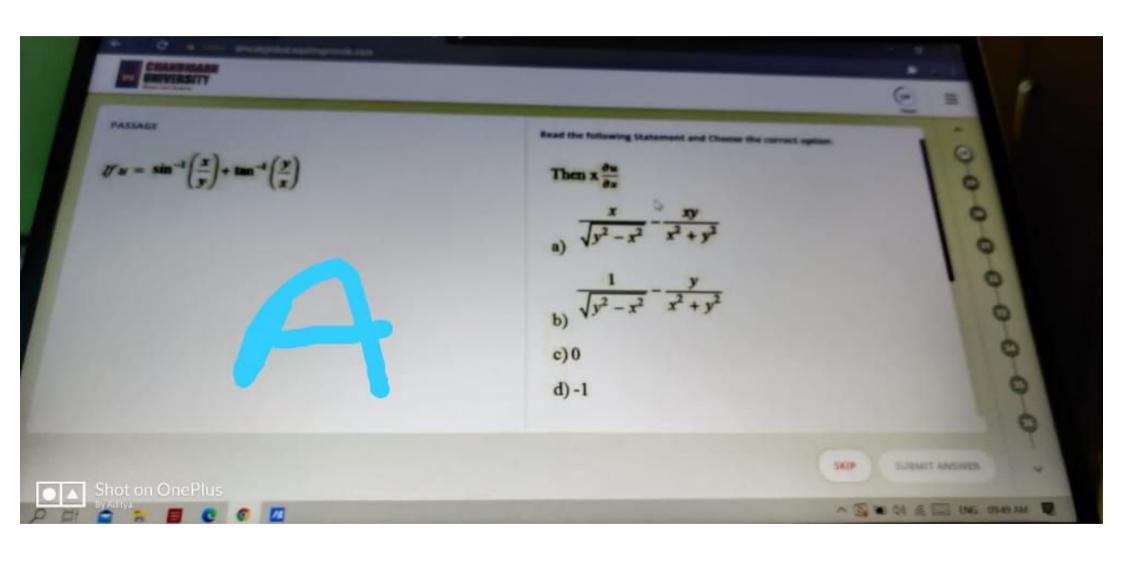














Choose the correct option

Value of $\int_0^1 \int_0^{\sqrt{1-x^2}} \int_0^{\sqrt{1-x^2-y^2}} xyz \, dz dy dx$ is equal to

a)
$$\frac{1}{48}$$

b)
$$\frac{2}{48}$$

c)
$$\frac{1}{49}$$

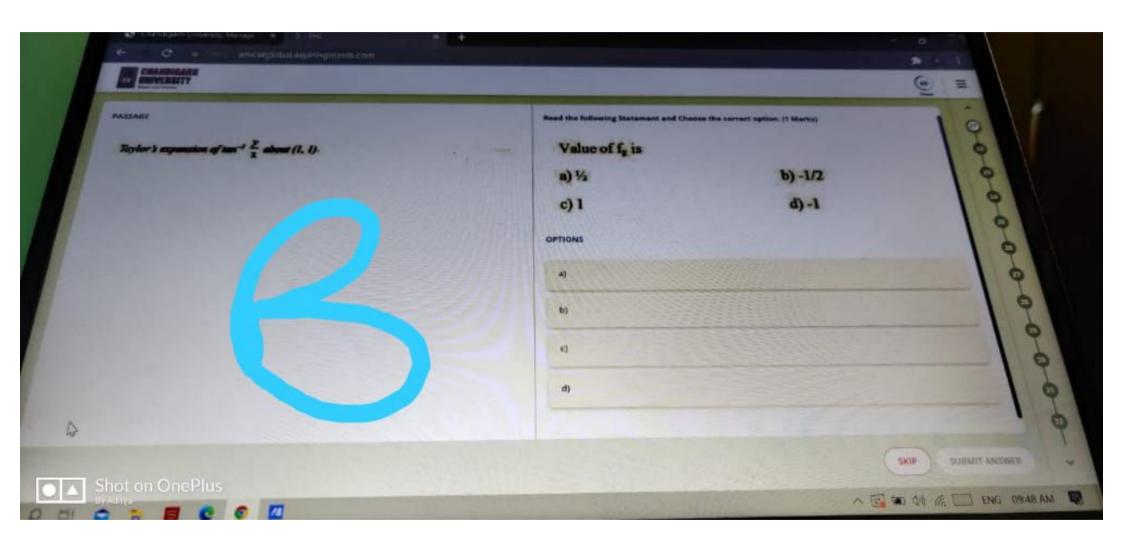
OPTIONS

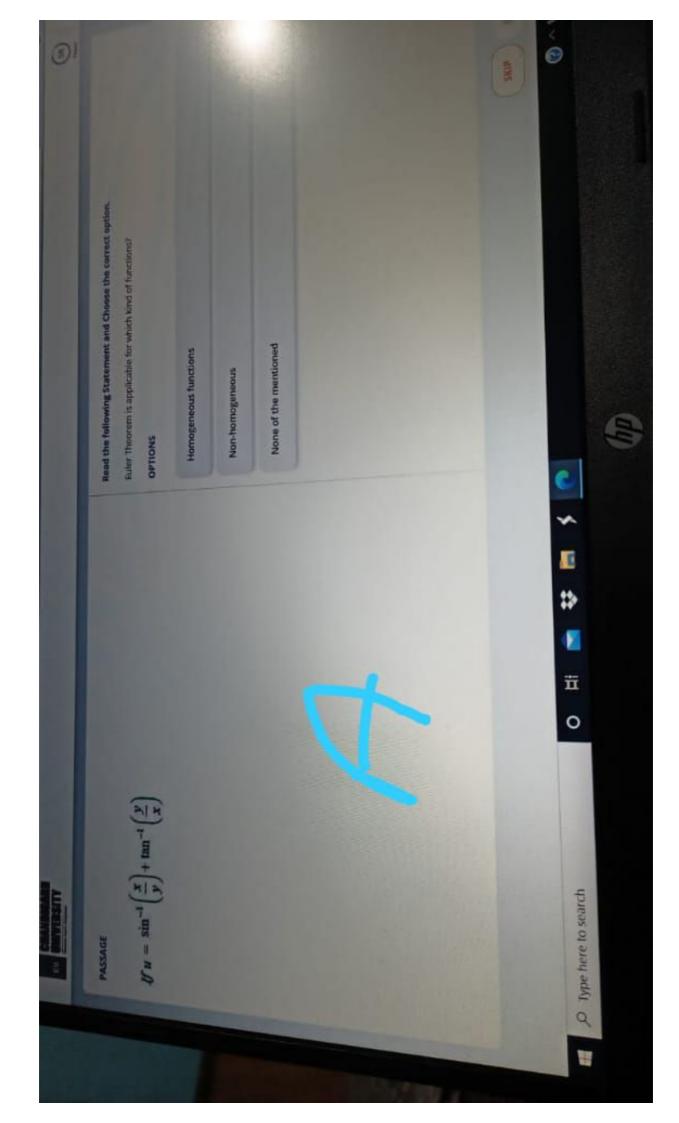
b

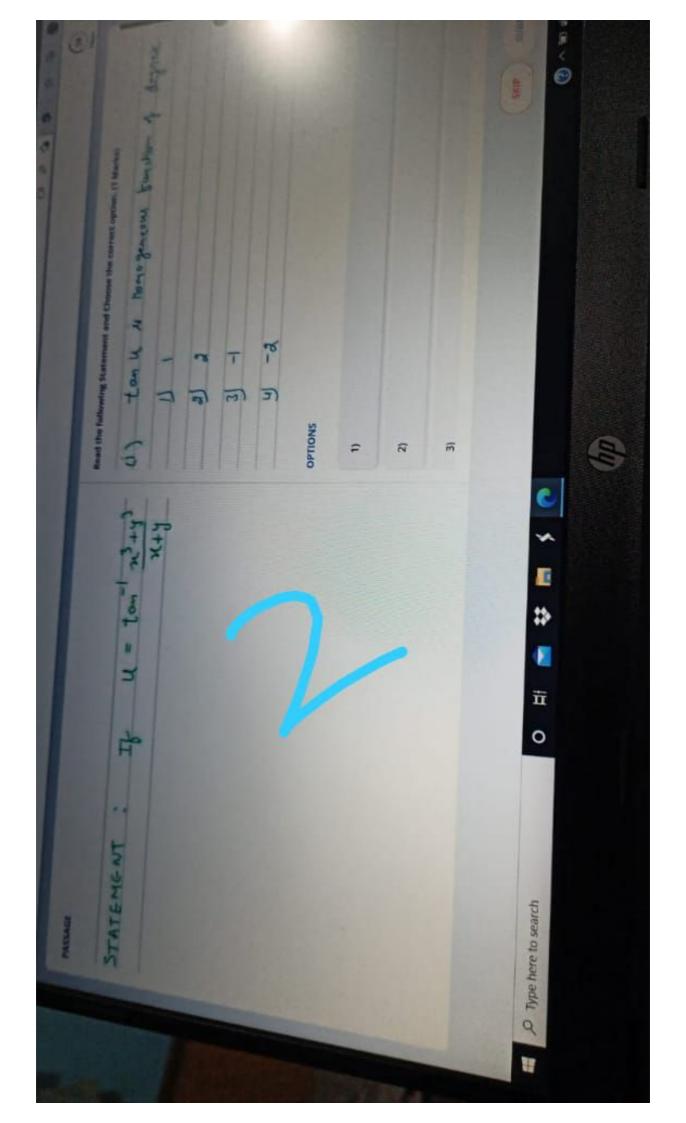
a

d

c







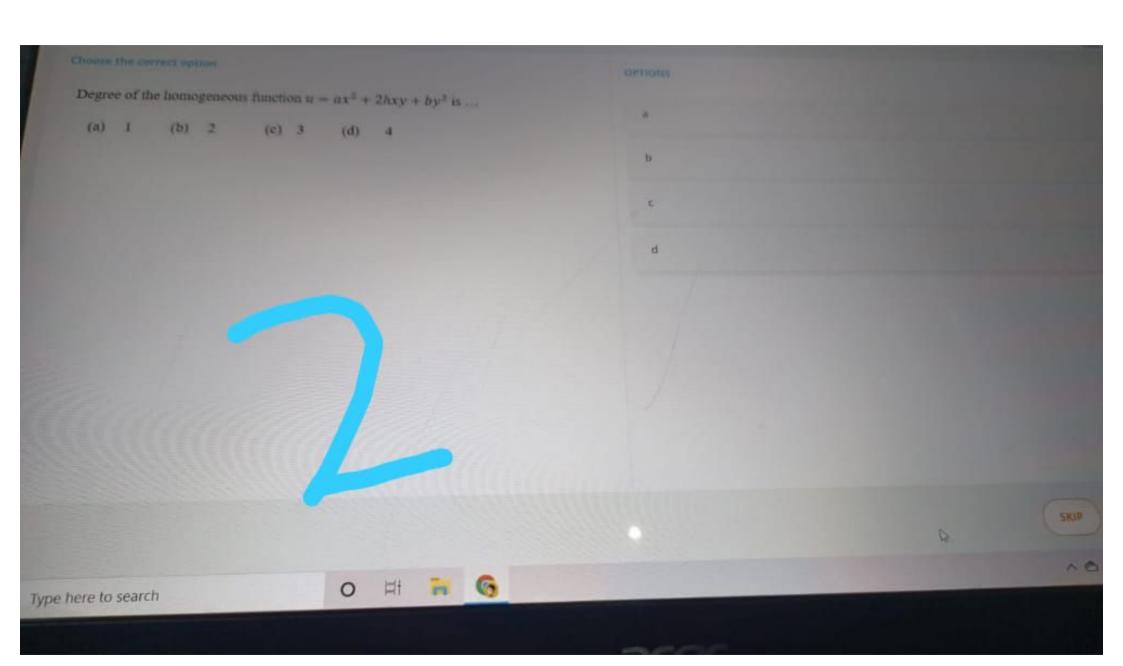
Change the order of integration $\int_0^{4a} \int_{x^2/4a}^{2\sqrt{ax}} dy dx$ is

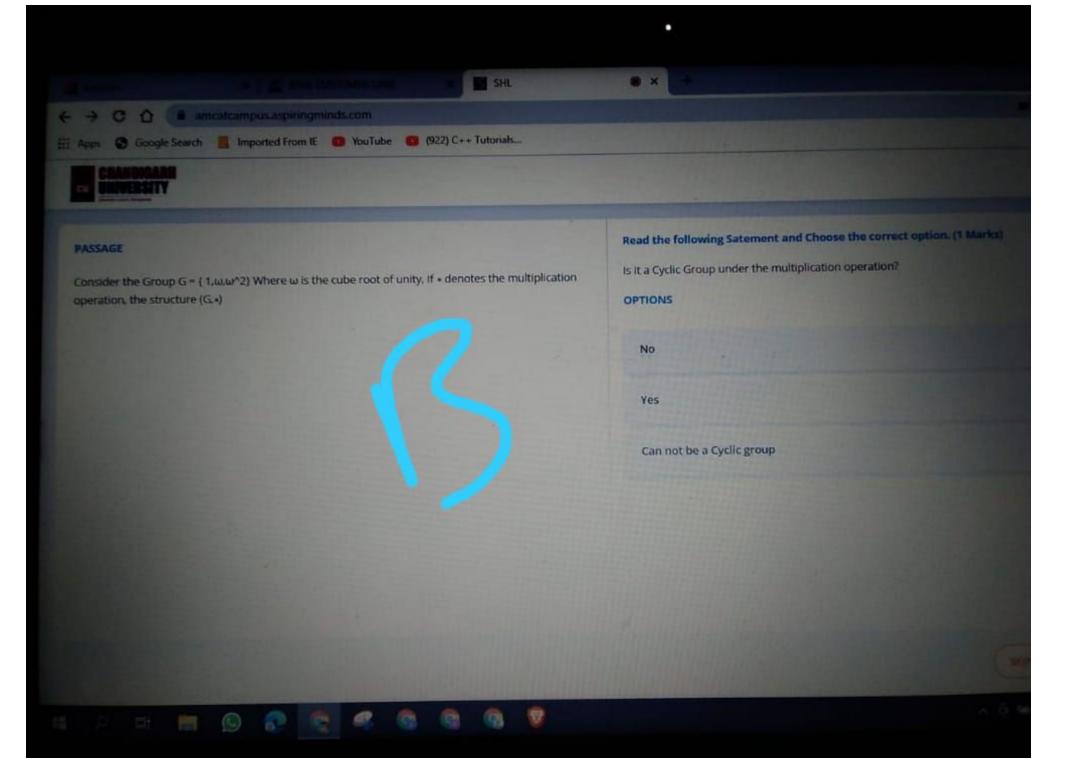
a)
$$\int_0^{4a} \int_{x^2/4a}^{6\sqrt{ax}} dy dx$$

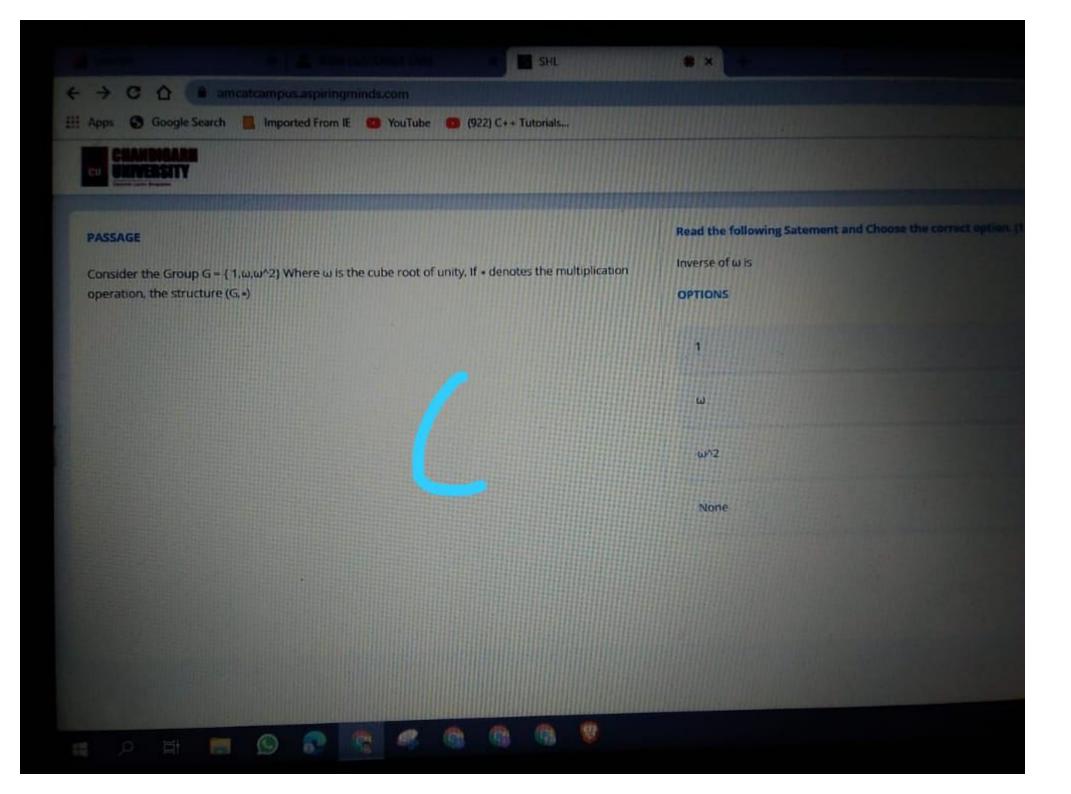
c)
$$\int_0^{4a} \int_{x^2/4a}^{2\sqrt{ax}} dxdy$$

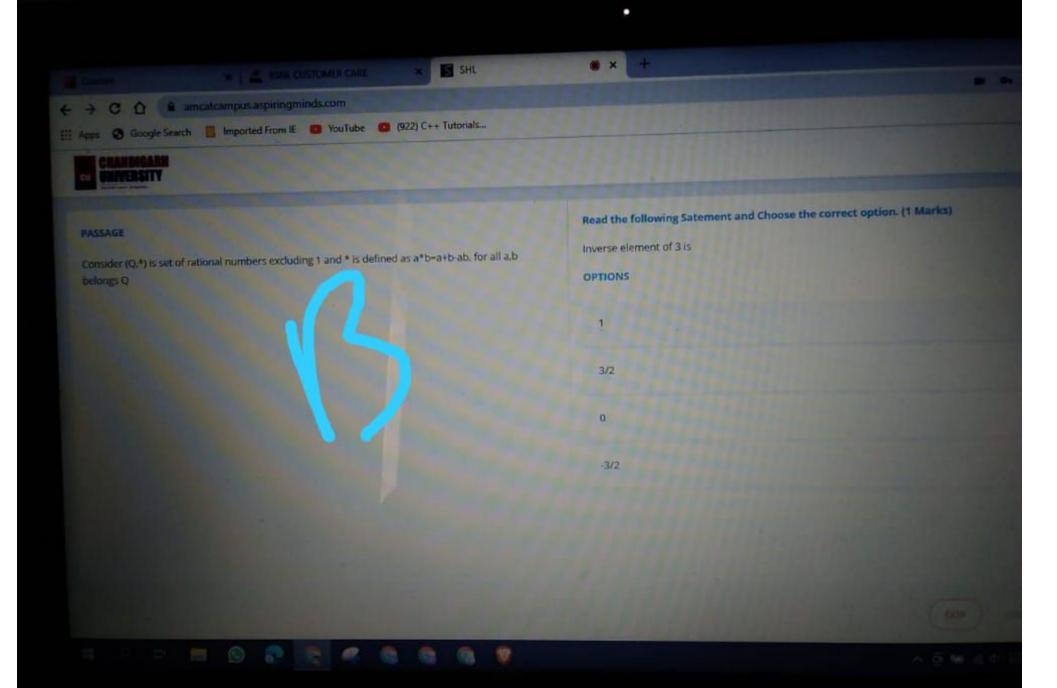
b)
$$\int_0^{2a} \int_{x^2/4a}^{2\sqrt{ax}} dy dx$$

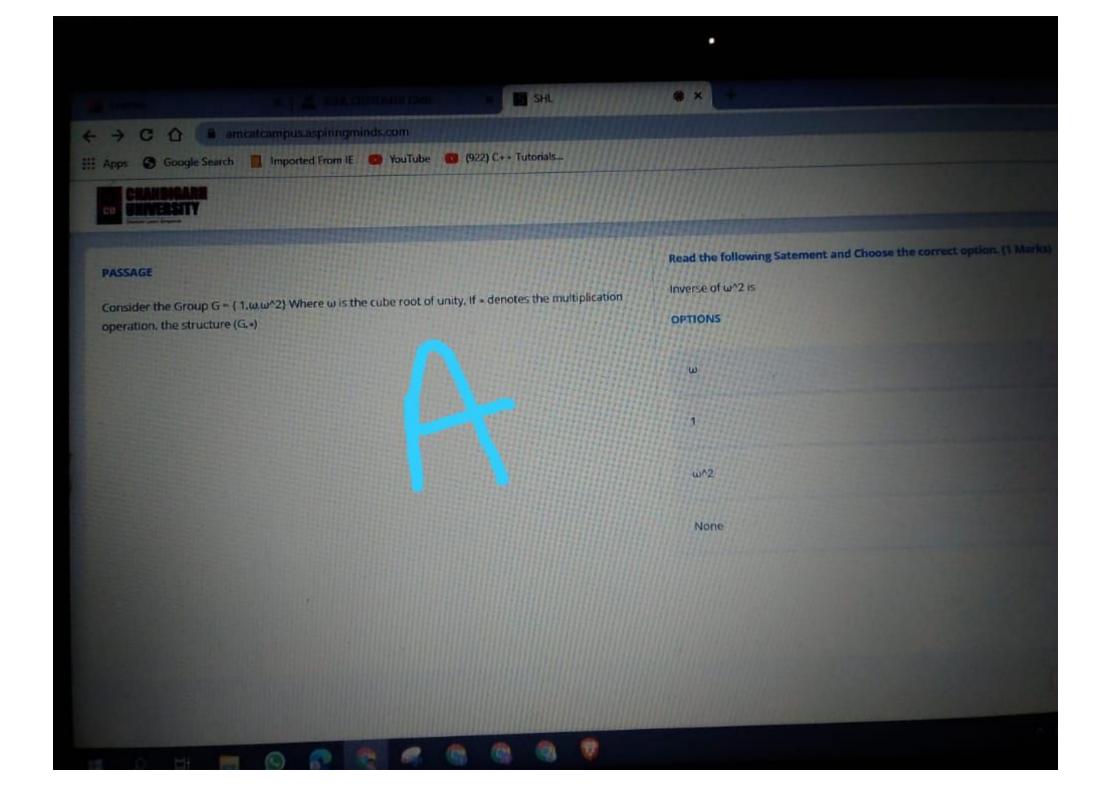
d)
$$\int_0^{4a} \int_{y^2/4a}^{2\sqrt{ay}} dxdy$$

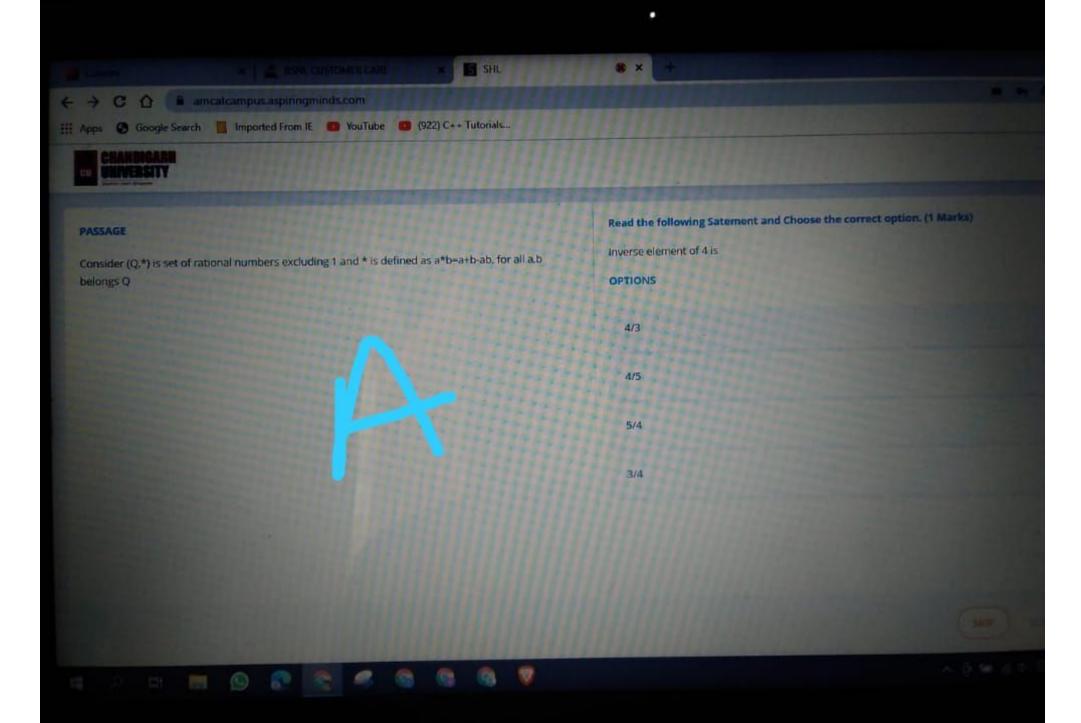


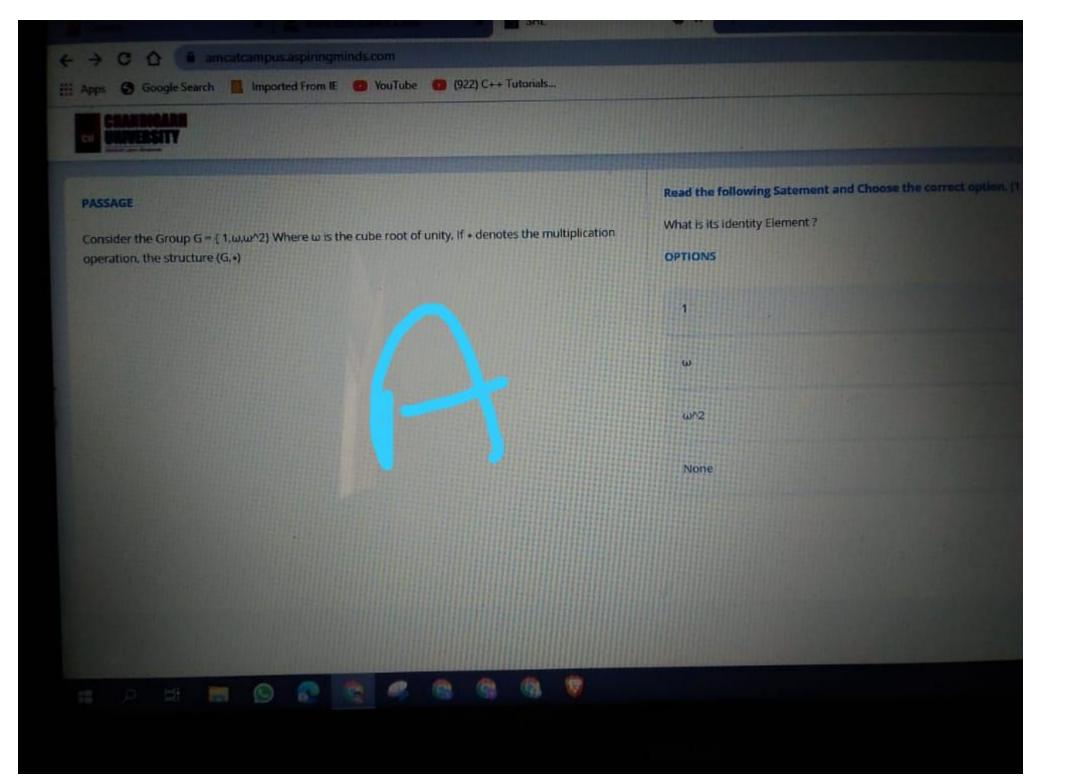


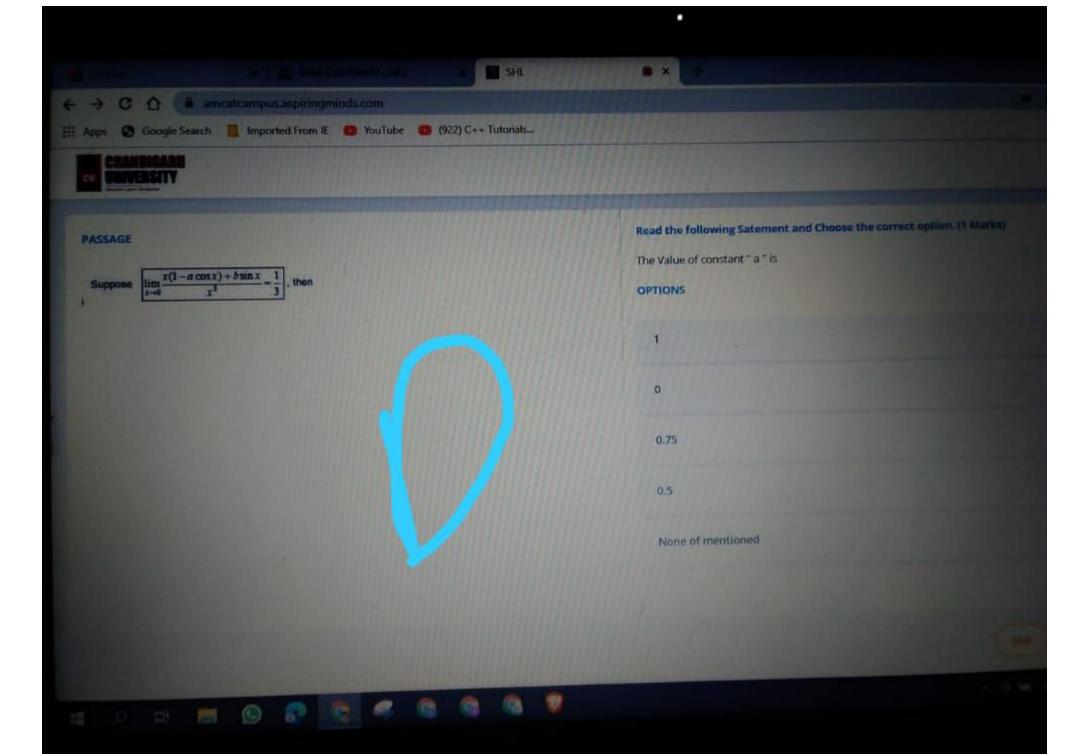


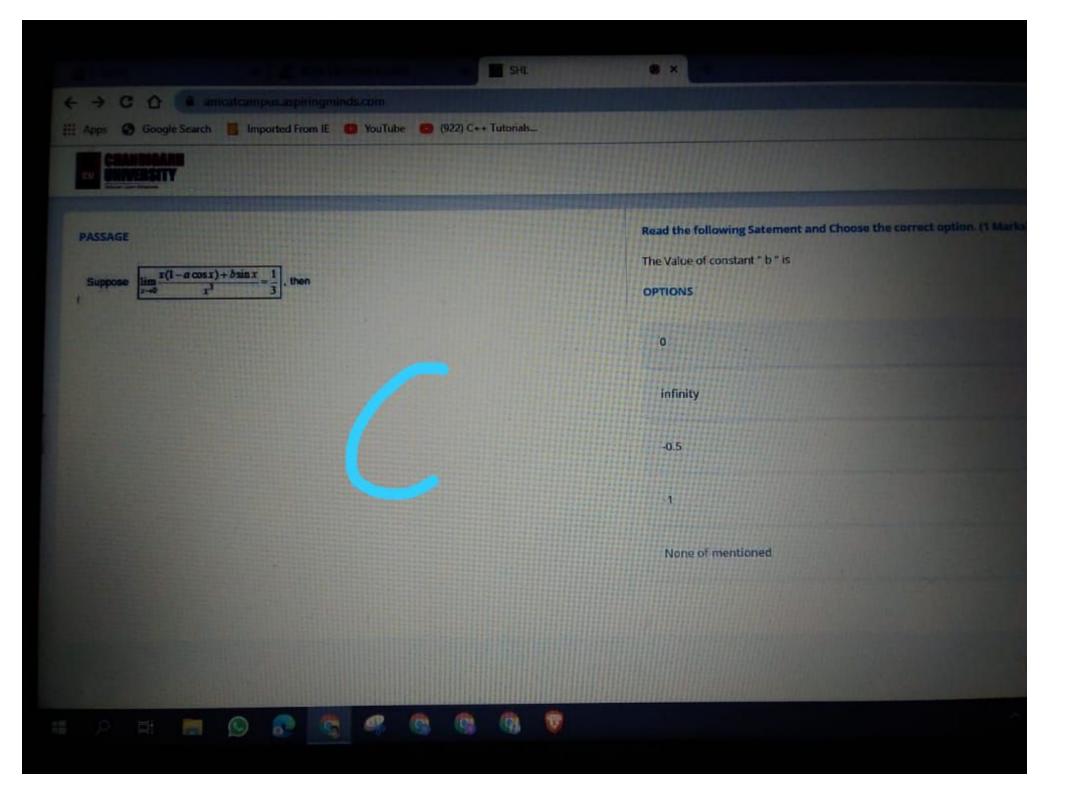


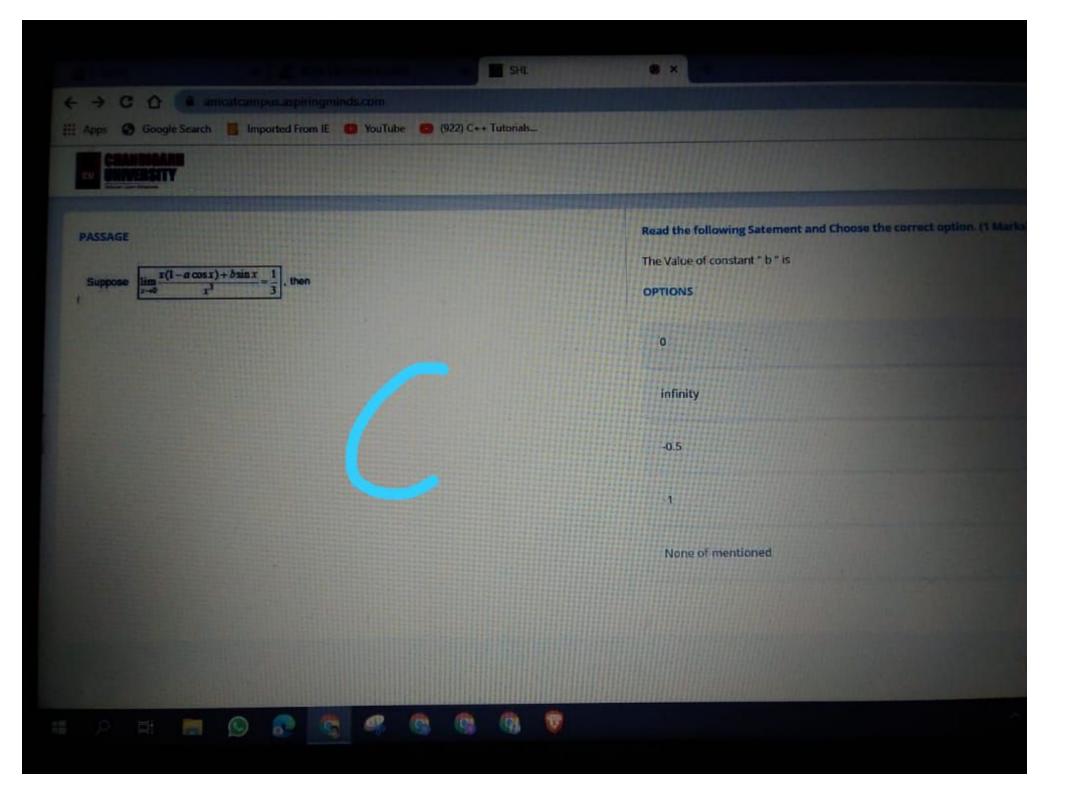


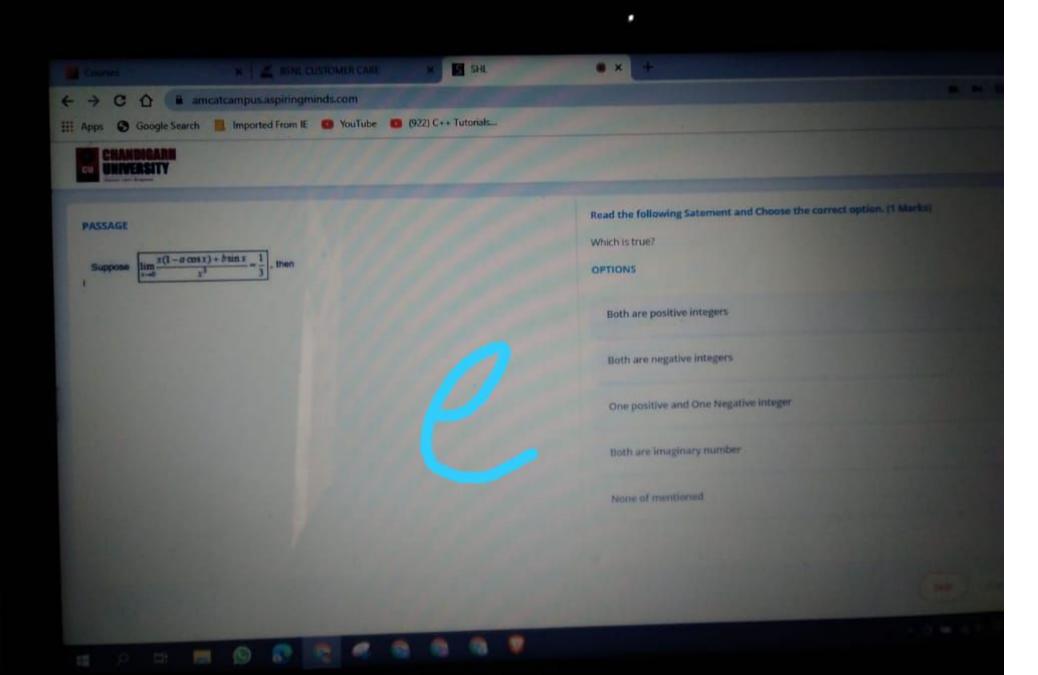












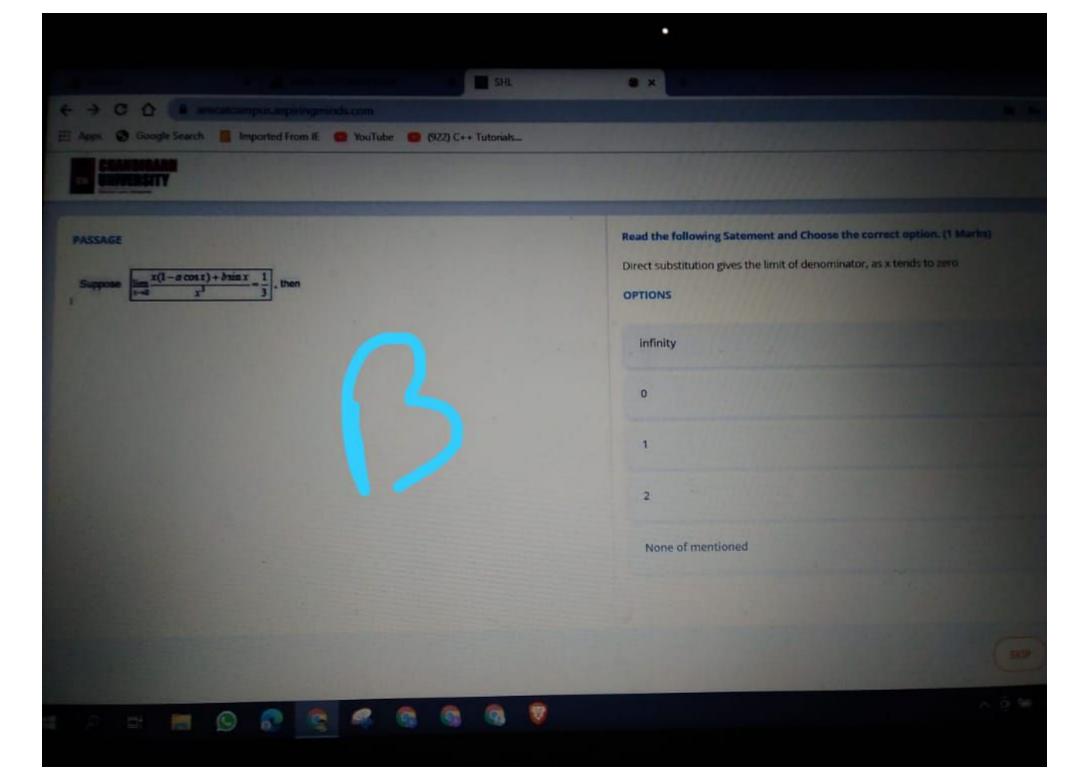
Choose the correct option.

$$\lim_{x\to 0} \left(1+\frac{1}{x}\right)^x$$

OPTIONS

0

none of the mentioned



Choose the correct option.

$$\lim_{x\to 0} \left(1+\frac{1}{x}\right)^x$$

OPTIONS

0

none of the mentioned

Choose the correct option.

$$\lim_{x\to 0} \left(\frac{\tan x}{x}\right)^{\frac{1}{x}}$$

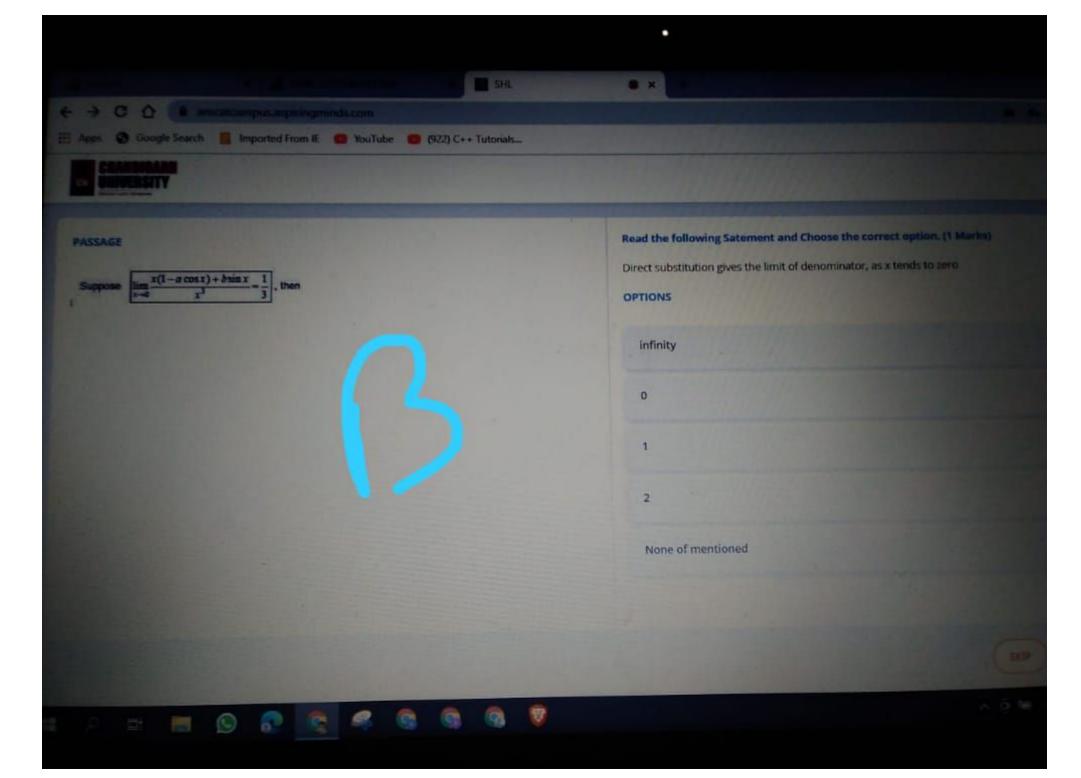
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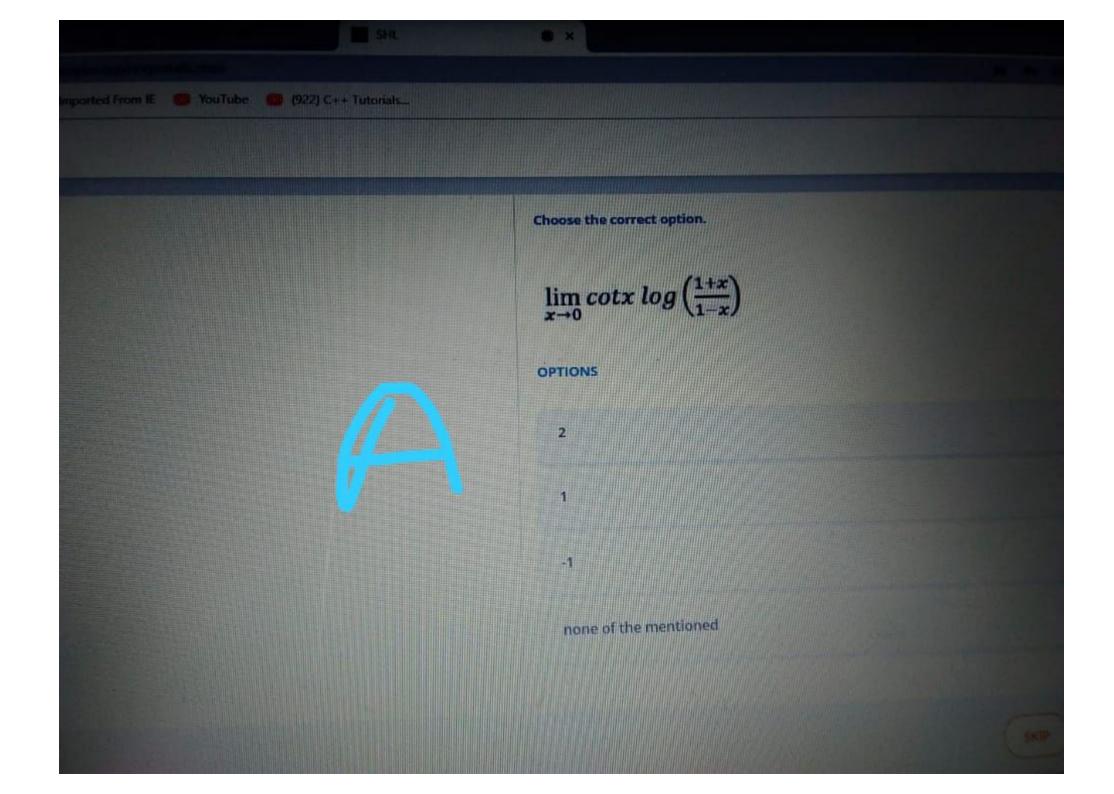
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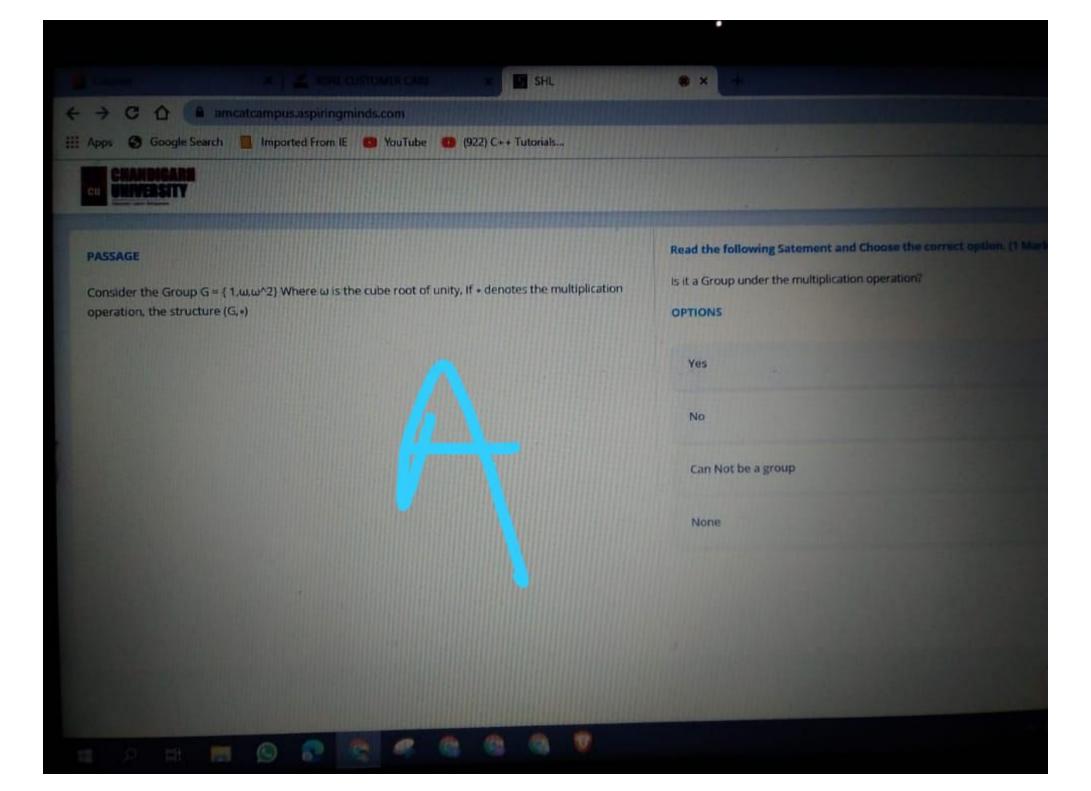
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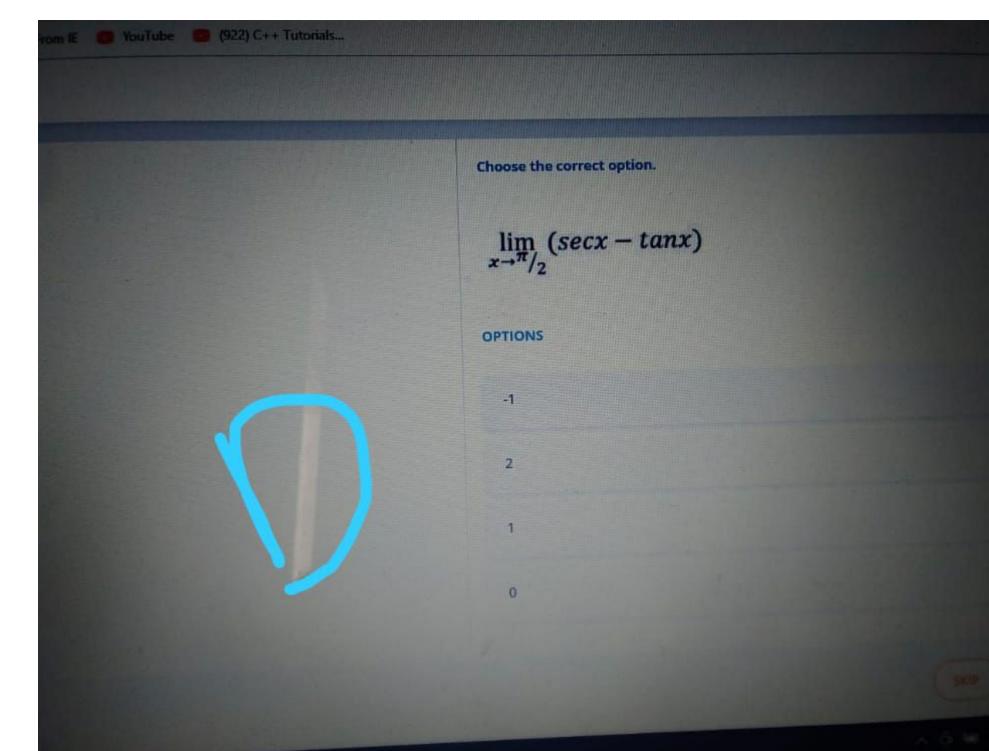
11

none of the mentioned









Choose the correct option.

$$\lim_{x\to 0} \left(\frac{\tan x}{x}\right)^{\frac{1}{x}}$$

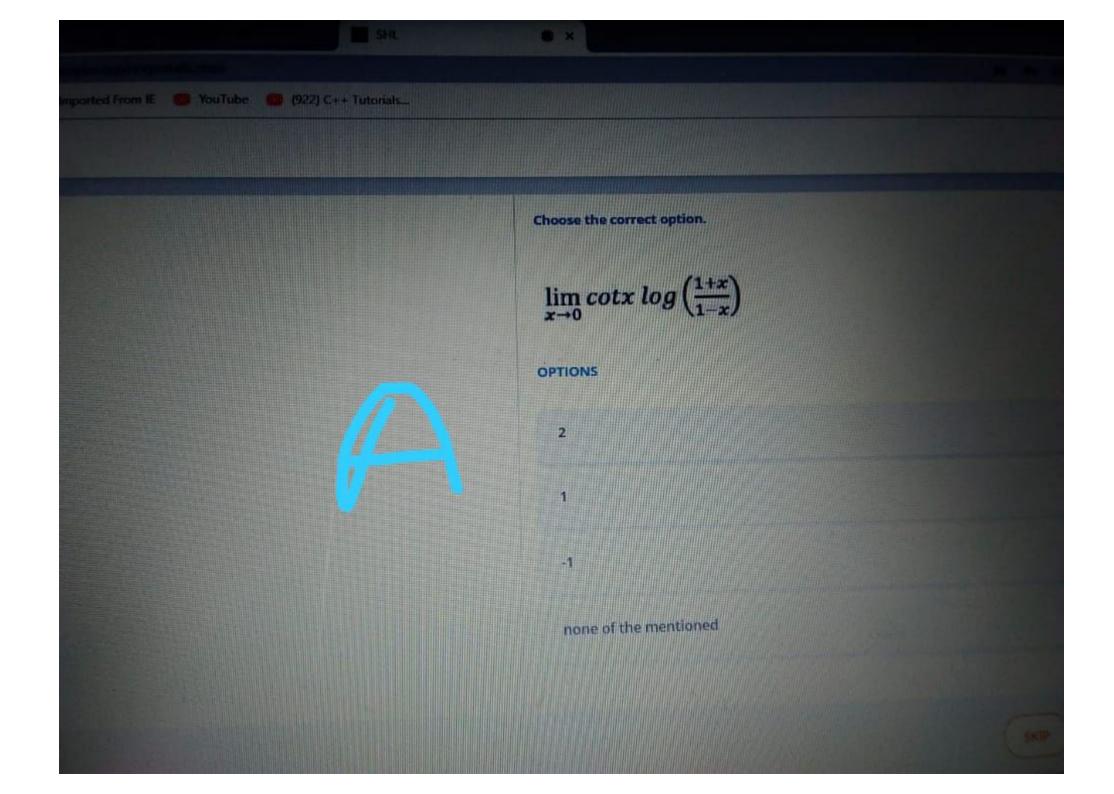
OPTIONS

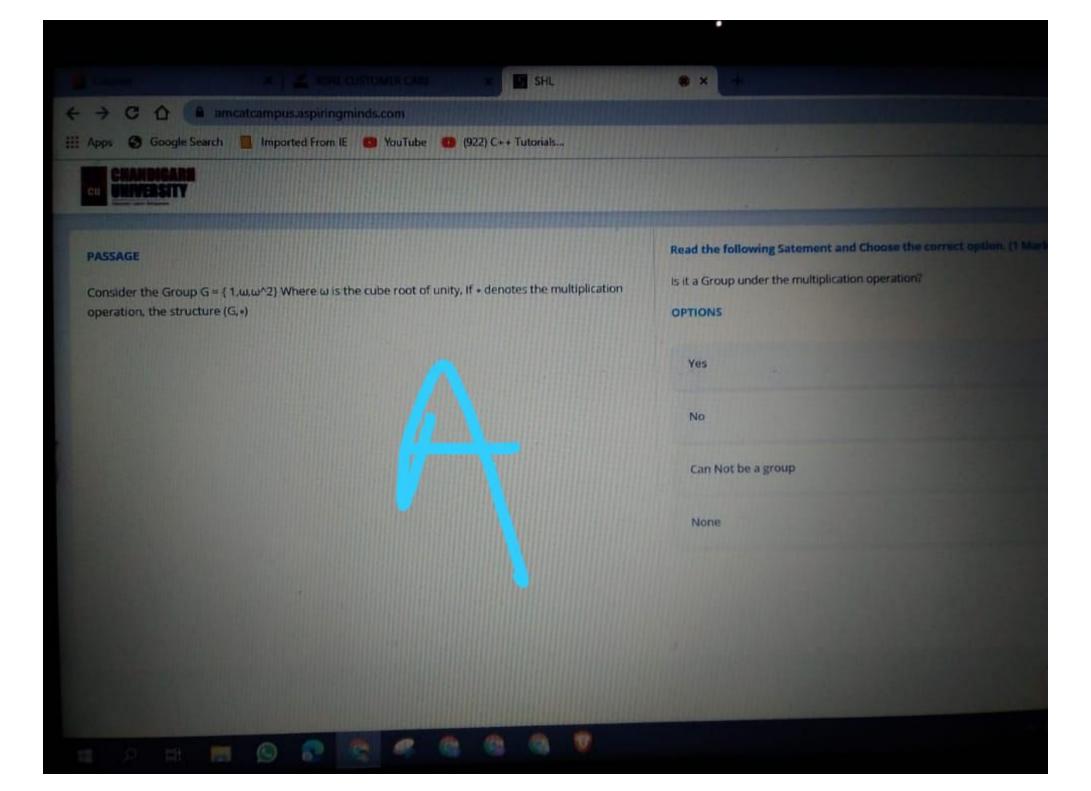
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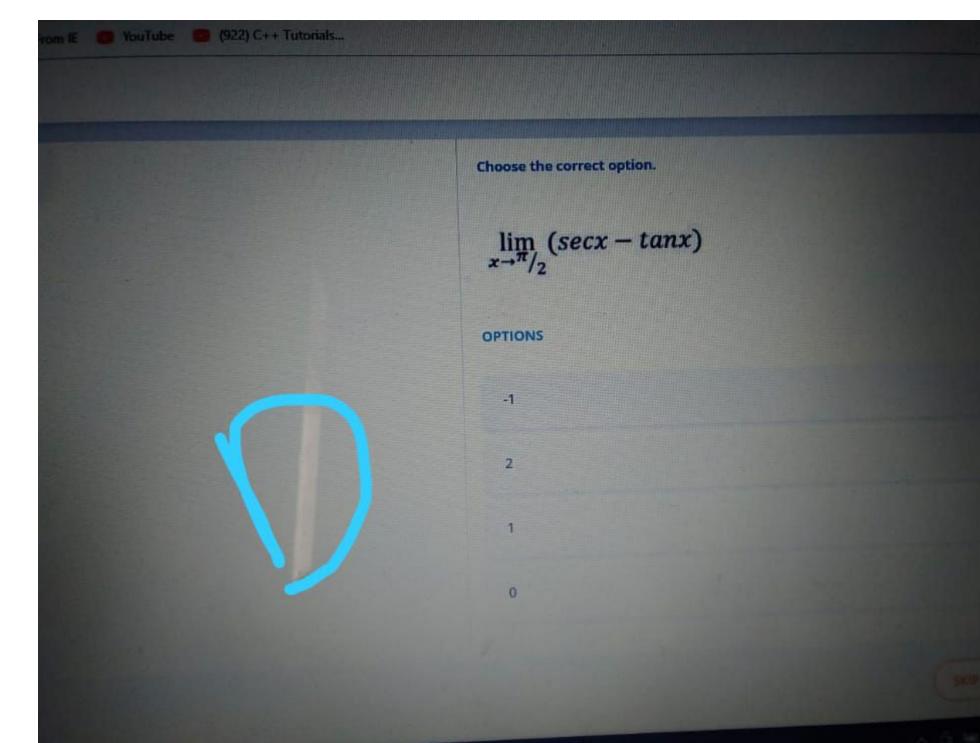
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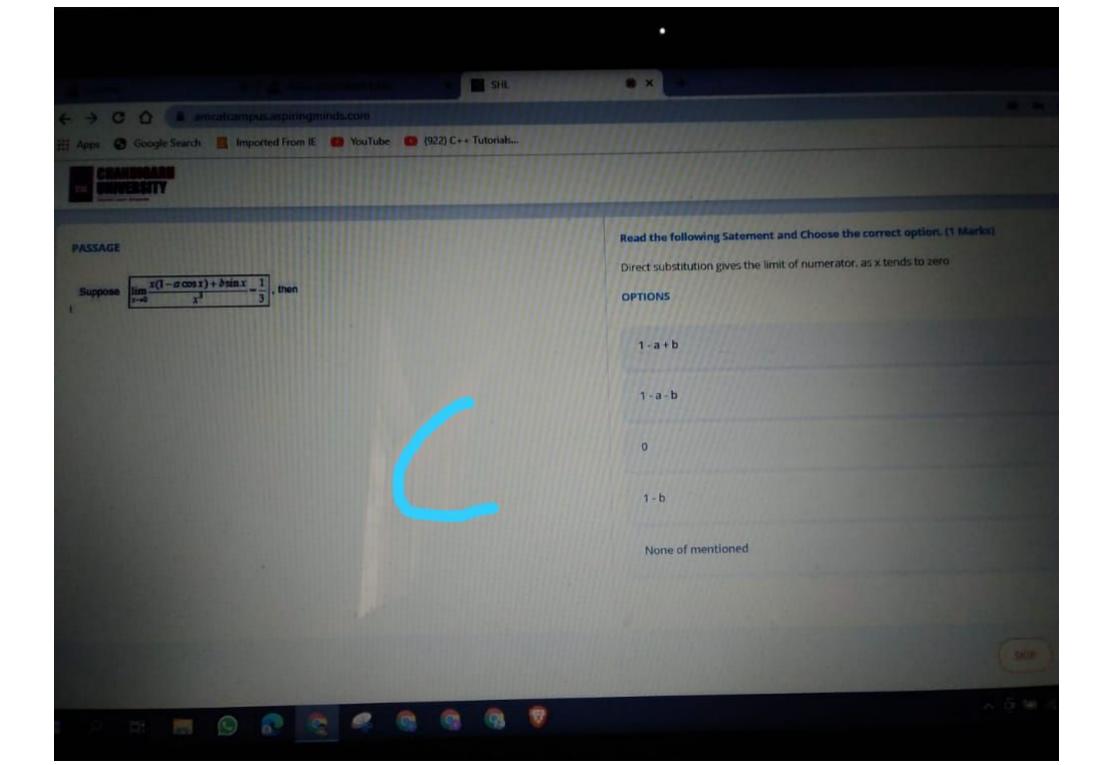
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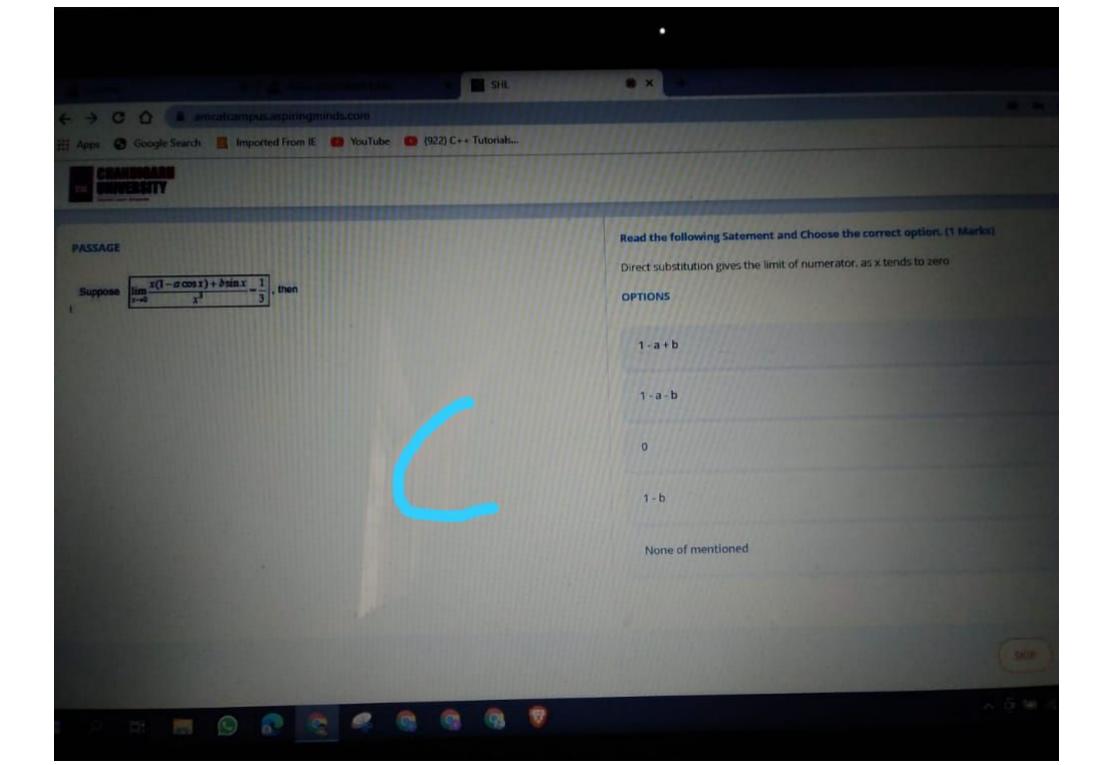
none of the mentioned

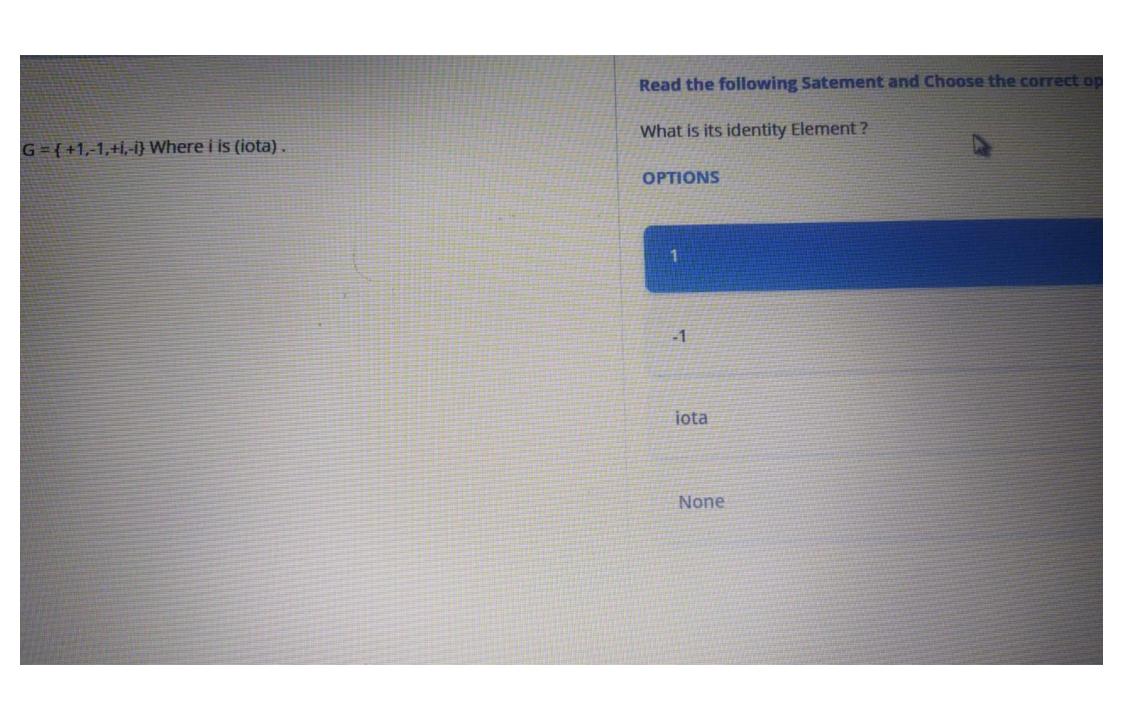


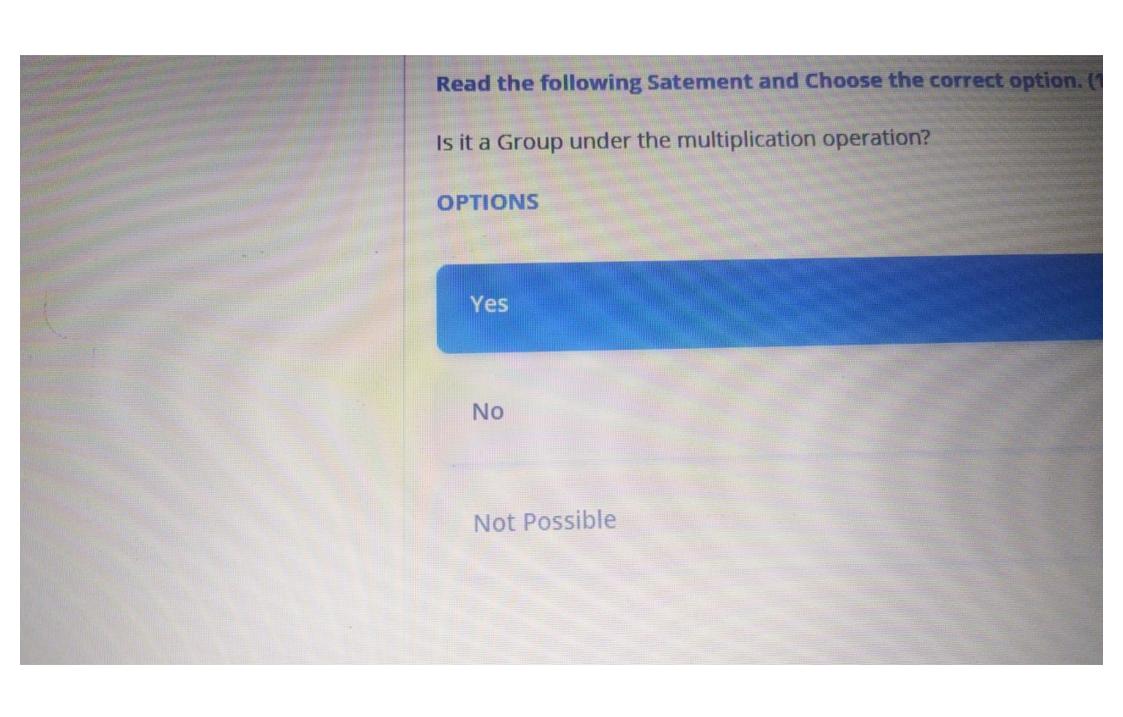


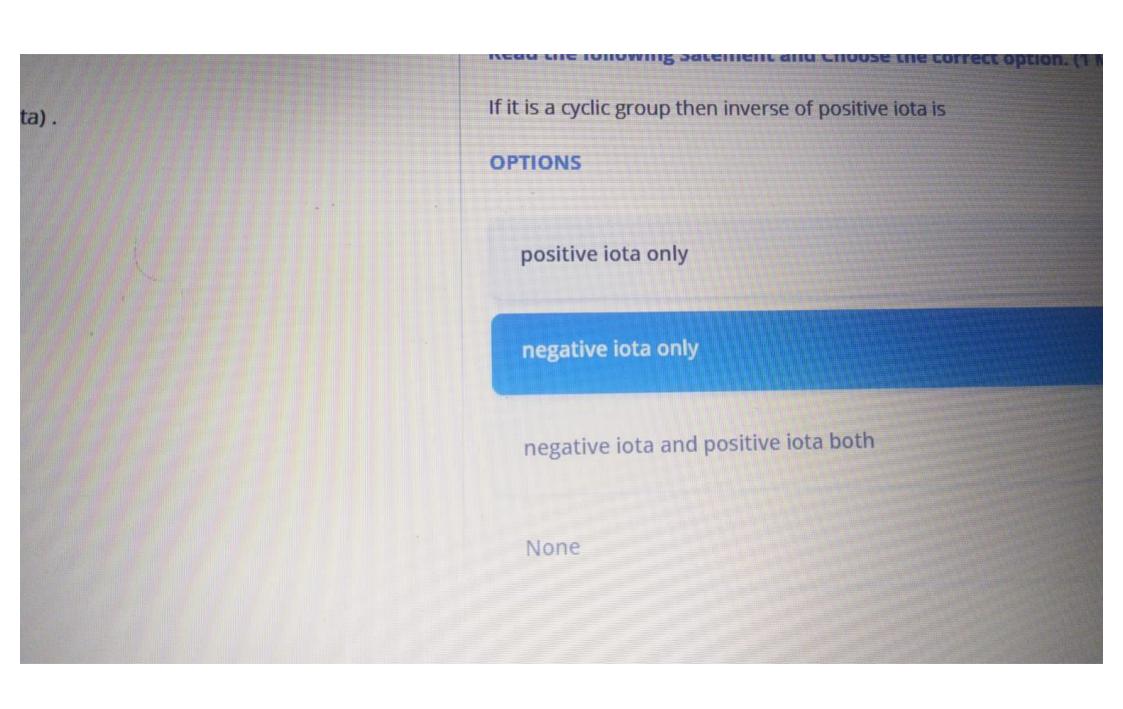


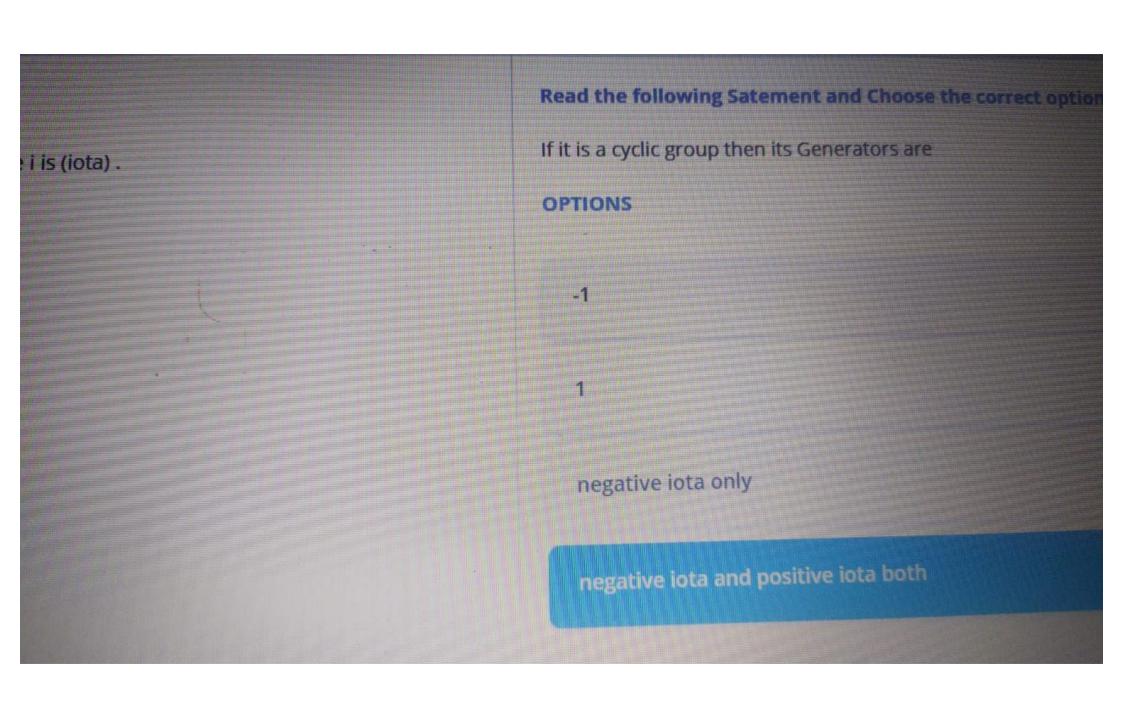


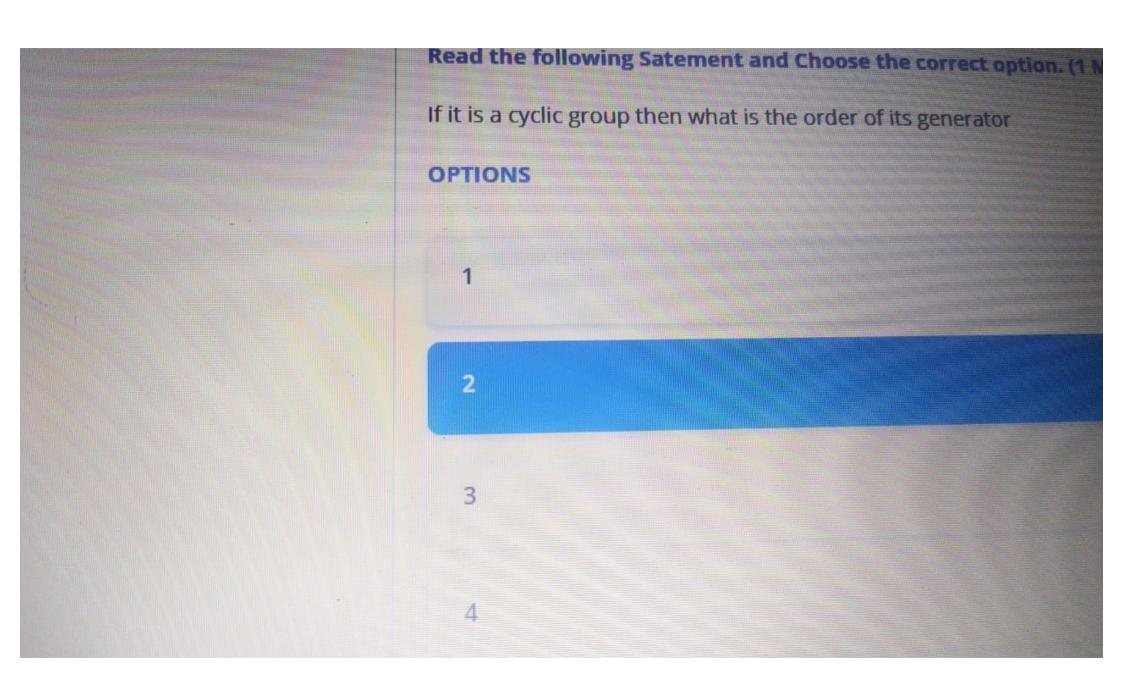


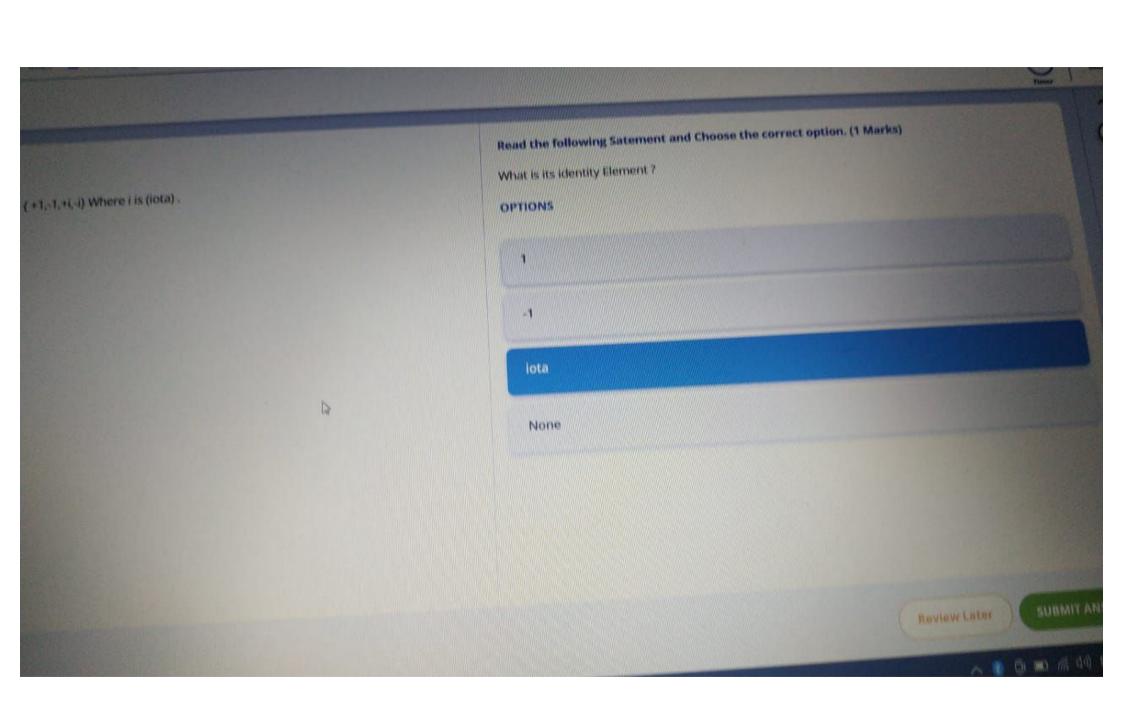












find the limits of 'y' if Entegral is tossen as Slydady

- 2 5 4 5 2 5x
- b) 054 54
- d) None of these

OPTIONS

b)

c)

d)

Review Late

Find the Limits of y if integral is taken as Sydydx

- a) x= 4 = 2x
- b) 0 = 4 = 4 c) 0 = 4 = 2x
- d) None of those

OPTIONS

- a)
- b)
- C)

Review

find the limits of 'y' if Entegral is tossen as Slydady

- 2 5 4 5 2 5x
- b) 054 54
- d) None of these

OPTIONS

b)

c)

d)

Review Late

Find the limits of 'x' if integral is better as | | ydzdy

- a) YEXE NY
- 6) 05 25 4
- a) None of these

OPTIONS

b)

C)

d)

Review Lat

The value of megal is

- a) 45
- b) <u>24</u> 3
- 0 ()
- d) None of these

OPTIONS

a)

b)

C)

d)

find too limits of x if integral is toman as Isy dydx

- a) 0 5 x 5 4
- b) #2 = x = 2 14
- 1) 254 5 x 5 y2
- a) 0 ex 5 254

OPTIONS

a)

b)

C)

d)

Review La