1) Fith is function trivially

11) F. It does n't have occurate specular comparen r

T (117

7 (Vi

FV) F. when single may of ligh comes it happens.

11) F. a O order geometric and puramoteric

unknown are similar

visi) F It has I co orderates

pix) f. Stape is changeable

77 5.

Answer according to Question No. 3

180301280

a) The Phong Companents of Phong illumination or reflection model using PCaB

Model: open all allows us to break this lights emitted instrumently into 4 components

* ambient lightning " specular lightning

* diffux lightning v Emission lightning

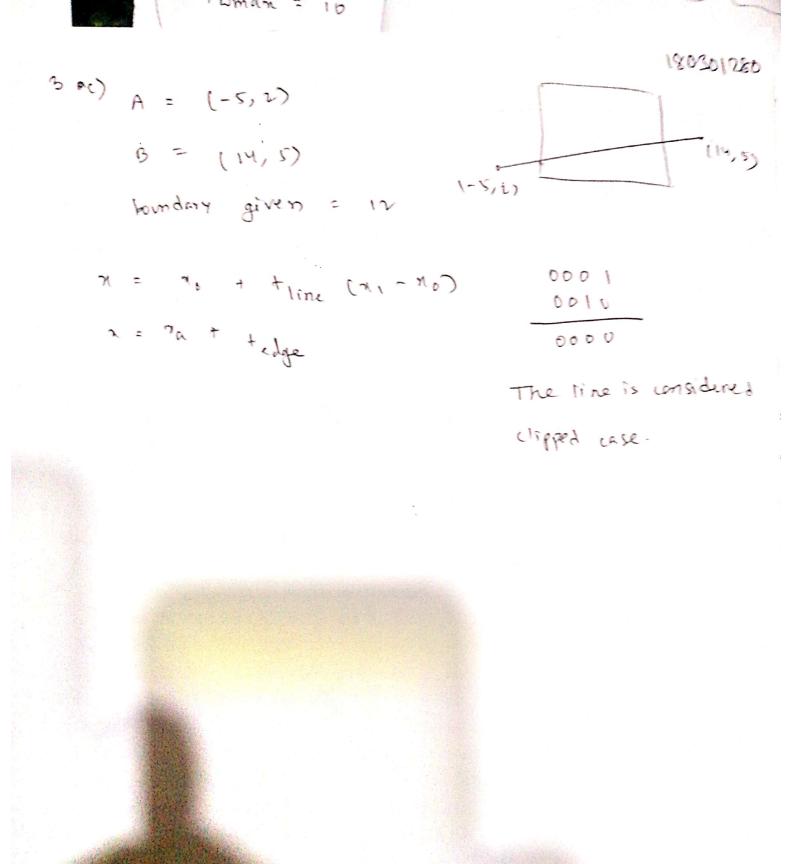
Amhient light

A surface that is not exposed to direct light may still be lit up by reflections from other marby objects

Diffuse Pertection:

· surtaces that are mugh or grainy tend to reflection in all direction.

r This scattered light is called diffuse reflection lamburtian surface appears equally bright from all western directions



180301280 Answer according to queetion No 4 p) 1 tob = 20 12 50 × 6++ = 20 Y4 = 60 7 but = 5 right = 10 Point A = (22,0) For green component of A = color, + (edory - color) - Ys - Ybut Color lett = 100 + (170 - 10 0) 20-5 119.09 = color, + (color 2 - color,) Ys - 160H App - Ybot = 100 + (125-100) 20-50-5 = 105 where = colonlest = [colonlest - colonlest) n- Meth Tright = 119.09 - (105-109.09) (20-50) - 11900 + 1-409 = 120.499.

Assure Reading to avestion 60001

- (a) Parametric continuity means to smoothness between both to colour curve and of its promote enzations there are 3 years of parametric continuity
 - curves meet, that is the values of mo, y

 and 2 evaluated at u for the 'let curve

 section are equal it is also referred to

 as (" continuity

parametric deriavatives (tangent that let

parametric deriavatives (tangent thes) of the

condination functions defined by n = x(u), y = y(u), z = z(u) and $u_1 \neq z \leq u \leq u_2$ the 2 successive curves exchims are equal at prining points.

Answer according to Questien No 45

(= (-s + last digit of NUB ID), 3 + last digit of MUB ID))

(15+ last digit of NUDID, 9+ last digit of NUBID)

Nwmax = 10

Y wman = 10

(-5,3) and (15,9)

Using Liang Bansky we get

$$\frac{9014m}{6} = \frac{93}{6} = \frac{3}{6} = \frac{3}{6} = \frac{3}{6} = \frac{3}{6}$$

whop =
$$\frac{\alpha_q}{\rho_q} = \frac{\alpha_q}{\frac{70 - \chi_{min}}{10 - 3}} = \frac{3}{6} = 70 \times \frac{3}{6}$$

180301280 0001 0010 0000 (5,3) so to line is iymin = D concidered to be MmEn = 0 7 man = 10 clipped case Pend - Po = (15#5,9-3) = (10,6) we have umin = - 12 and uman = 12 If umin < uman, Mere is a line segment So we need to draw a line from (-5 + 10 x-1, 3+6 x-1,) = (-5 = 5, 3+-3) TO (-5 + 10 x 2, 3 + 6 x 2) = (0, 6) Several models have been developed usions for representing (6) blobby objects as established functions over a region of space. One way is to model objects as combination of Gauxian density smetter.

ned with CamScanner

one way to do this is to model object as combination of accession density functions. A surface function is defined as

where ru = Vartyu+ Zk

Other methods for generating blobby objects use density smethods that fall off to 0 in a finite interval, rather from exponentially. The 'metaball' describes composite objects as combinations of quadratics.

$$f(r) = \begin{cases} b(1-3\sqrt{4}) & \text{if } 0 < r \le d/3 \\ \frac{2}{5}b(1-\sqrt{4})^{2} & \text{if } d/3 < r \le d \end{cases}$$

$$f(r) = \begin{cases} b(1-3\sqrt{4})^{2} & \text{if } d/3 < r \le d \end{cases}$$