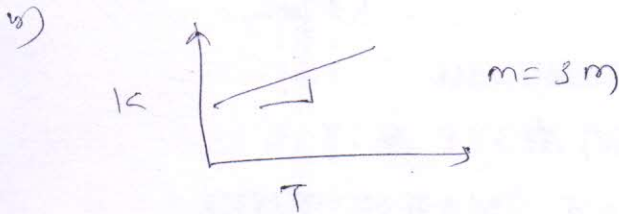


Marking Scheme (Environmental Chemistry & Microbiology)

Q1) a) 1 kg of air Required — 3 m

b) buffersol — 1.5 m Application 1.5 m

Q2) a) $W = 2 I t$ $I = 3 m$



Q3) a) Biocidalig — 2 m

OR b) chromatography — 2 m

Q4) a) Any 2 points

b) staining — 2 m, Tubes — 2 m
Techniques — 2 m, Need — 2 m

Q5) a) Any 3 points — 6 m

b) Any 4 points — 4 m

c) Any 4 points — 4 m

Q6) a) Types of Nutrients any 4 ~~6 m~~

b) phase — 2 m, dig — 2 m, ~~expt~~ Application — 2 m

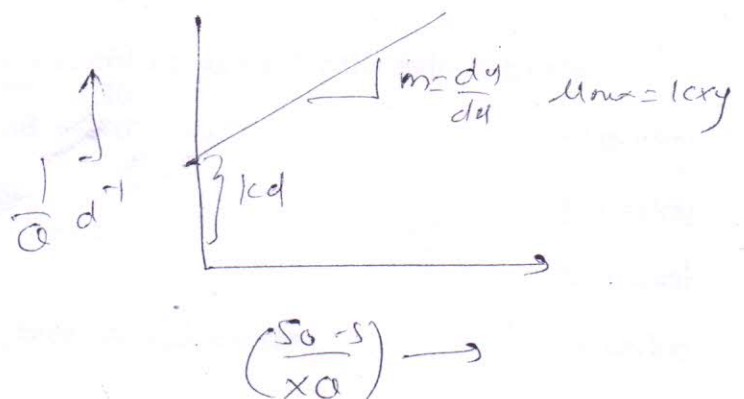
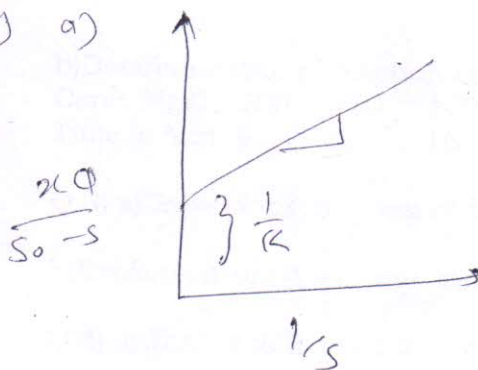
c) Any four points

Q7) a) Any 3 Techniques $3 \times 2 m = 6 m$

b) Any 4 points

c) A Taxonomy — 2 m phylogeny — 2 m

Q8) a)



b) η — 1 m Sludge — 1 m
HRT — 1 m C_0 — 2 m

a) a) S.S. process any 4 points $4 \times 2m = 8m$

b) $V - \frac{3m}{4m}$, Area - $\frac{3m}{4m}$ OLR - 2m



Rajah