Date Lab report from the practical lesson on biochemistry Topic: Bile pigments, porphyrins	Group
Task 1: Diazotation and azo coupling Principle: (use structural formulas!)	
Observation/Conclusion:	

Task 2: Estimation of total bilirubin in serum

Principle: (use structural formulas!)

Results:

	Test tube No 1 Blank 1	Test tube No 2 Blank 2	Test tube No 3 Serum sample
Absorbance 540 nm	0		

Absorbance of the sample after subtraction of Blank 2:

Calculation:

a) Reading from calibration graph

Concentration of total bilirubin read from the calibration curve is.....

b) Using calibration factor

	Standard no.				
	1	2	3	4	5
Bilirubin concentration (µmol/l)					
Absorbance (A540)					
Calibration factor f1-f5 (concentration/absorbance)					

Average calibration factor =
$$\frac{f1 + f2 + f3 + f4 + f5}{5} = \dots$$

(Is the measured values o	of total bilirubin within re	eference limits?)	
Task 3: Estimation	on of direct biliru	bin in serum	
Results:			
	Test tube No 1 Blank 1	Test tube No 2 Blank 2	Test tube No 3 Serum sample
Absorbance 540 nm	0		
Absorbance of the sampl	e after subtraction of Bla	nk 2:	
Calculation:			
a) Reading from ca			
Use the graph in the prev			
Concentration of direct b	ilirubin read from the cal	ibration curve is	
b) Using calibratio			
Use the factor calculated	In the previous task		

Conclusion:

Conclusion: Is the measured value of direct bilirubin within the reference limits? If taken together with the value of total bilirubin, what type of icterus (pre-hepatic, post-hepatic or hepatocellular) is found?
Took 4. Elyanosa and a of hamatan ambumin
Task 4: Fluorescence of hematoporphyrin Principle:
Results/Observations:
results, observations.