

35th International Chemistry Olympiad

Athens, Greece

Theoretical Examination

Thursday, 10 July 2003

Compact points sheet

Q1. 1							
Q2. 1							
Q3. 1							
Q4. 1							
Q5. 1							
Q6. 1							
Q7. 1.5	A 1	b 1	c 1				
Q8. 1							
Q9. 1							
Q10. 2.5	a 1	b 1	c 1	d 1	e 1		
Q11. 1							
Q12. 1							
Q13. 1							
Q14. 1	a 0.25	b 0.25	c 0.25	d 0.25			
Q15. 1	a 0.2	b 0.2	c 0.2	d 0.2			
Q16. 1	a 0.25	b 0.25	c 0.25	d 0.25			
Q17. 2.5	a 1	b 1	c 1	d 1	e 1		
Q18. 1							
Q19. 1							
Q20. 1							
Q21. 1							
Q22. 3	a 0.5	b 0.5	c 1	d 1			
Q23. 1	a 0.17	b 0.17	c 0.17	d 0.17	e 0.17	f 0.17	
Q24. 2							
Q25. 8	a 3	b 5					
Q26. 5	a 1	b 1	c 3				
Q27. 6	a 1	b 1	c 1	d 1	e 2		
Q28. 4	a 0.5	b 0.5	c 1	d 2			
Q29. 5	a 1	b 1	c 1	d 1	e 1		
Q30. 5							
Q31. 14	1. 1	2. 1.5+0+2	3. 1	4. 1	5. 2	6. 2+2	7. 1
Q32. 9	A 1+0.5	B 1+0.5	C 1+0.5	D 1+0.5	E 1+0.5	F 1+0.5	
Q33. 11	1. 4	2. 1	3. 1.5	4.A 1.5	4.B 1+2		
Q34. 17.5	i 2.5	ii 2	iii 3	iv 4	v 4	vi 1	vii 1
Q35. 10	i 2	ii 2	iii 2	iv 2	v 2		

Total for Theoretical Examination: 125 points

35th International Chemistry Olympiad

Athens, Greece

Practical Examination

Tuesday, 8 July 2003

Compact points sheet

Organic Chemistry experiment: Synthesis of *N*-Acetyl-*L*-prolinyl-*L*-phenylalanine methyl ester (Ac-*L*-Pro-*L*-Phe-OCH₃)

1. 10 points
(yield% -15%) x 0.2 points, for yield% < 65%,
10 points for <65% yield% < 70%,
9 points for yield% > 70%
minus 1 point for miscalculation of yield%
 2. 3 points
 3. 2 points
 4. 2 points
 5. 2 points
 6. 10 points
([α]^T-35) points
 7. 2 points
- Total: 31 points

Analytical Chemistry experiment: Titration of ascorbic acid with potassium iodate.

- Results: 8 points
8 - 3.2 x (|E%| - 0.5%) points for |E%| > 0.5%, where E% is the analysis error
8 points for |E%| < 0.5%
minus 1 point for miscalculation of concentration larger than 2%.
- Question 1. 1 point
Question 2. 1 point
Total: 10 points

Total for Practical Examination: 41 points