Solutions:

Part I	Part II	Part III	Part IV
1. G	16. d	23. Prepare for field work	42. Ice cream
2. K	17. d	24. Establish the existence of an outbreak	43. Milk
3. A	18. d	25. Verify the diagnosis	44. (43/(43+11))/(3/(3+18))=5.57
4. L	19. a	26. Define and identify cases (using line listing and case definition)	45. (46/(46+29))*100 = 61.33%
5. C	20. b	27. Describe and orient the data in terms of time, person, and place	46. (23/(23+14))*100 = 62.16%
6. O	21. c	28. Develop hypothesis	47. (43/3)/(11/18) or (43*18)/(3*11) = 23.45
7. B	22. a	29. Evaluate hypothesis using analytical studies – must have control group	48. 75
8. N		30. Refine hypothesis	
9. F		31. Implement control and prevention measures	
10. E		32. Communicate findings	
11. M		33. Strength of association	
12. I		34. Consistency	Part V
13. D		35. Specificity	49. 3:00 pm
14. J		36. Alternative explanations	50. Point source – rapid rise and only one peak
15. H		37. Temporality	51. 10 cases
		38. Dose-response relationship	52. 6-12 hours
		39. Biological plausibility	
		40. Experimental evidence	
		41. Coherence	

*Note to Graders: For 23-32, the answers must be in the ordered dictated by this answer sheet. For 33-41, the answers need not be in the same order as on this sheet.
*Tie breakers: Tie breaker #1 is question 52, tie breaker #2 is question 47, and, if needed tie breaker #3 is question 27.