

ECON 1008 Final Exam

ANSWER KEY

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|-------|-------|
| 1. B | 21. D |
| 2. B | 22. C |
| 3. A | 23. B |
| 4. B | 24. A |
| 5. A | 25. C |
| 6. B | 26. A |
| 7. B | 27. C |
| 8. A | 28. A |
| 9. A | 29. B |
| 10. A | 30. B |
| 11. C | 31. C |
| 12. C | 32. C |
| 13. D | 33. A |
| 14. A | 34. A |
| 15. B | 35. B |
| 16. B | |
| 17. C | |
| 18. B | |
| 19. B | |
| 20. B | |

SHORT ANSWER QUESTION

1.

a. $H_0: \mu = 1300$

$$H_A: \mu > 1300$$

b. Test statistic: $Z = 3.0$.

Rejection region: $Z > z_{0.025} = 1.645$.

Conclusion: Reject H_0 . There is enough statistical evidence to infer that the alternative hypothesis is true and that the average score for all graduate students at the University of Adelaide is higher than 1300.

c. 0.0013.