```
Section A (2015)
(a) 0.6 (b) 0.1 (c) 0.6 (d) 0.8
(a) B(20,0.34) (b) 6.8 (c) 2.118 (d) 0.276 (e) 0.103
(a) P(2.5) (b) 0.082 (c) 0.214 (d) 0.242
4.
(a) 0.6915 (b) 0.8682 (using interpolation)
5.
(a) (171.9, 215.2) (b) (1582.6, 5155.2)
6.
(a) 0.7 (b) Reject
7.
(a) (37.6, 25.1, 31.3,
    82.4, 54.9, 68.7)
(b) No evidence of association
8.
(a) Reject
Part B
9.
(a) [see lecture notes]
(b) (i) 0.2481
(ii) 0.9998
(iii) [long explaination]
10.
(a) 1/3
(b) 2
(c) (1 + 2x) / 12
(d) 15 / 8
(e) 39/64
11.
(a) (i) [see lecture notes] (ii) [see lecture notes]
(b) paired
```

(c) Do not Reject

- 12.

- (a) (i) [see lecture notes] (ii) Do not Reject(b) (i) [see lecture notes] (ii) Do not Reject(c) (i) [see lecture notes] (ii) [see lecture notes] (iii) Do Not Reject