2018 学年概率论期中考试答案

一、选择题

1-5 CBDDB 6-10 DACCD

二、填空题

1、2.4

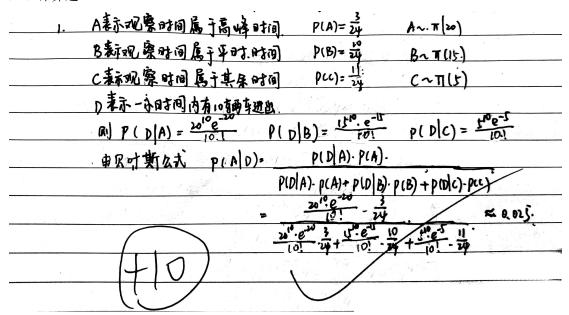
2、0.25

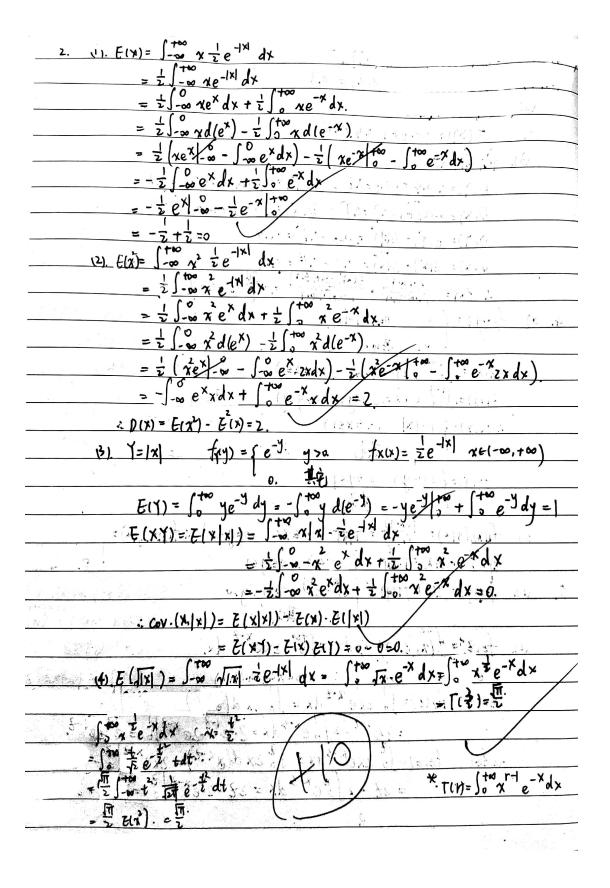
3、0.140625

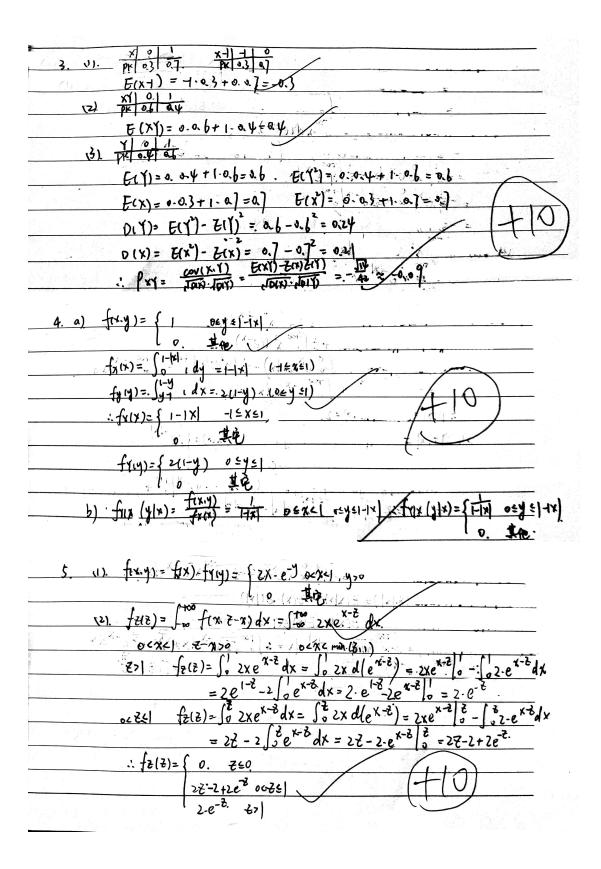
$$4, F(x) = \begin{cases} 0 & x < 0 \\ x & 0 \le x < 1 \\ 1 & x \ge 1 \end{cases}$$

5、N(24,16)

三、计算题







6. 没 P表示信息一篇 346入
B) P 4 5 6
px 0.3, 0.5 0.2
m E(p)= 4-a3+5-0.5+6-0.2=4-9
E(p2) = 16.d3 + 25-a5+26-a2 = 24.5
: p(p) = E(p) - Eip) = 9.49
$P\{ \sum p_i > 19 \times j = p \} = p \{ \sum p_i - p_i \in \{p\} \} > \frac{17 \times n - Z(p)}{n \cdot p(p)} > \frac{17 \times n - Z(p)}{n \cdot p(p)} \}$
$= P\left\{\frac{\sum_{i=1}^{n} e^{i(y)}}{\sum_{i=1}^{n} e^{i(y)}}\right\} = P\left\{\frac{\sum_{i=1}^{n} e^{i(y)}}{\sum_{i=1}^{n} e^{i(y)}}\right\}$
= P (IP - nEUP) - 1 , 1400 (4),
= 1- 1 (-1-1(=)) = 1(=) = 0.994
(+10)