

1427-1426

# 101

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نموذج الإجابة  
أدخل رمز الإجابة المناسبة في المربع

1	D
2	B
3	A
4	B
5	C
6	A
7	D
8	C
9	B
10	A

11	C
12	D
13	C
14	B
15	C
16	B
17	A
18	B
19	D
20	C

21	A
22	D
23	A
24	D
25	A
26	B
27	A
28	D
29	D
30	B

31	A
32	B
33	C
34	A
35	A
36	C
37	D
38	B
39	D
40	D

41	A
42	C
43	A
44	C
45	A
46	D
47	C
48	C
49	A
50	C

: 20 (1)

1 .D 20 .C 100 .B 2 .A

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: 80 (2)

800 .D 180 .C 100 .B 80 .A

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: 80 (3)

800 .D 180 .C 10 .B 80 .A

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: 101 (4)

.D .C     .B .A

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4x<sub>1</sub>, 4x<sub>2</sub>, 4x<sub>3</sub>, 4x<sub>4</sub> ..... x<sub>1</sub>, x<sub>2</sub>, x<sub>3</sub>, x<sub>4</sub> (5)

.D     .C .B .A

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: 8 20 4 2 (6)

.D 8.5 .C 1 .B 0 .A

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: 7 7 7 7 7 (7)

0 .D 1 .C 7 .B 35 .A

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10 80 30 (8)

: 100 60  
%80 .D %75 .C %75 .B %75 .A

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: ◀

5, 4, 6, 5, 4, 9, 3, 2, 5, 7

: (9)

4 .D 9 .C 5 .B 3 .A

: (10)  
2.5 .D                      4 .C                      3 .B                      5 .A

: (11)  
.D                      5 .C                      3 .B                      4 .A

: (12)  
4 .D                      3.24 .C                      5 .B                      4.54 .A

: (13)  
0.2 .D                      0.4 .C                      0.8 .B                      0.6 .A

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: 60 ◀ إذا كان

	1 – 5	6 – 10	11 – 15	16 – 20	21 – 25
(f)	2	8	30	18	2

: (14)  
9.52 .D                      12.76 .C                      13.83 .B                      11.63 .A

: (15)  
30 .D                      13 .C                      12 .B                      18 .A

: (16)  
14.5 .D                      12.68 .C                      17.09 .B                      16.08 .A

: (17)  
0.4687 .D                      39.45 .C                      1.258 .B                      0.2989 .A

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: " " (18)  
5 .D                      12 .C                      30 .B                      15 .A

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(19)

5 3 4

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60 .D 130 .C 12 .B 120 .A

(20)

5 1

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5 .D 10 .C 32 .B 25 .A

(21)

1024 .D 625 .C 20 .B 9 .A

(22)

$P(A \cup B) = 0.7$   $P(B) = 0.6$   $P(A) = 0.3$  S B A

:  $P(A \cap B)$

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0.2 .D 0.4 .C 0.6 .B 0.1 .A

(23)

$P(A \cap B) = 0.2$   $P(B) = 0.3$   $P(A) = 0.4$  S B A ◀

: A B

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0.546 .D 0.667 .C 0.235 .B 0.5 .A

(24)

: B A

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\_\_\_\_\_ .D .C .B .A

(25)

S B A

:  $A \cap B \neq \phi$  .C  $P(B) = P(B|A)$  .B  $\underline{A \cap B = \phi}$  .A

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$P(A) = P(A|B)$  .D

(26)

.1, 2, 3, 4, 5, 6

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: 4

1/2 .D 2/3 .C 1/3 .B 1/6 .A

$$\begin{array}{c}
 \text{60\%} \\
 \text{0.1} \\
 \text{0.2} \\
 \text{40\%}
 \end{array}
 \quad \blacktriangleleft$$

$$\begin{array}{cccc}
 0.1 & .\mathbf{D} & 0.08 & .\mathbf{C} \\
 & & 0.06 & .\mathbf{B} \\
 & & & \underline{0.14} & .\mathbf{A}
 \end{array}
 \quad : \quad (27)$$

$$\begin{array}{cccc}
 \underline{0.42857} & .\mathbf{D} & 0.2360 & .\mathbf{C} \\
 & & 0.1235 & .\mathbf{B} \\
 & & & 0.5681 & .\mathbf{A}
 \end{array}$$


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$$\begin{array}{ccc}
 \mathbf{N} & & \mathbf{D} \\
 .\mathbf{S}=\{\mathbf{DD}, \mathbf{DN}, \mathbf{ND}, \mathbf{NN}\} & .\mathbf{P(N)=0.6} & \mathbf{P(D)=0.4}
 \end{array}$$

$$\begin{array}{cccc}
 \underline{\{0, 1, 2\}} & .\mathbf{D} & \{1, 2\} & .\mathbf{C} \\
 & & \{0, 2\} & .\mathbf{B} \\
 & & & \{0,1\} & .\mathbf{A}
 \end{array}
 \quad : \quad \mathbf{X} \quad (29)$$

$$\begin{array}{cccc}
 \{DN, ND\} & .\mathbf{D} & \{DD, NN\} & .\mathbf{C} \\
 & & \underline{\{NN\}} & .\mathbf{B} \\
 & & & \{DD\} & .\mathbf{A}
 \end{array}
 \quad : \quad \{\mathbf{X=0}\} \quad (30)$$

$$\begin{array}{cccc}
 0.16 & .\mathbf{D} & 0.24 & .\mathbf{C} \\
 & & 0.12 & .\mathbf{B} \\
 & & & \underline{0.36} & .\mathbf{A}
 \end{array}
 \quad : \quad \mathbf{f(0) = P(X = 0)} \quad (31)$$

$$\begin{array}{cccc}
 \{NN\} & .\mathbf{D} & \{DD\} & .\mathbf{C} \\
 & & \underline{\{DN, ND\}} & .\mathbf{B} \\
 & & & \underline{\{DN, ND\}} & .\mathbf{A}
 \end{array}
 \quad : \quad \{\mathbf{X = 1}\} \quad (32)$$

$$\begin{array}{cccc}
 0.24 & .\mathbf{D} & \underline{0.48} & .\mathbf{C} \\
 & & 0.32 & .\mathbf{B} \\
 & & & 0.72 & .\mathbf{A}
 \end{array}
 \quad : \quad \mathbf{f(1) = P(X = 1)} \quad (33)$$


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:  $X( )$  ◀

<b>x</b>	0	1	2	3
<b>f(x)=P(X=x)</b>	0.7	0.1	0.1	0.1

:  $P(X > 0)$  (34)

0.7 .D                      1 .C                      0.1 .B                      0.3 .A

:  $P(X < 1.5)$  (35)

0.1 .D                      0.9 .C                      0.7 .B                      0.8 .A

:  $\mu = E(X)$                       X (36)

0.445 .D                      0.6 .C                      0.49 .B                      0.98 .A

:  $\sigma^2 = \text{Var}(X)$                       X (37)

1.04 .D                      1.998 .C                      3.49 .B                      2.11 .A

.20% ◀

.                      X                      .

: (38)

0.251 .D                      0.437 .C                      0.384 .B                      0.562 .A

: (39)

0.512 .D                      0.412 .C                      0.663 .B                      0.789 .A

: (40)

0.896 .D                      0.991 .C                      0.551 .B                      0.732 .A

: ( ) (41)

24 .D                      0.24 .C                      6 .B                      0.6 .A

: (42)

0.16 .D                      0.48 .C                      48 .B                      16 .A

$$Z \sim N(0,1) \quad ( \quad ) \quad Z \quad \blacktriangleleft$$

$$: \quad P\{-1.41 < Z < 1.41\} \quad (43)$$

$$0.9872 \text{ .D} \quad 0.8921 \text{ .C} \quad 0.2871 \text{ .B} \quad \underline{0.8414} \text{ .A}$$

$$P\{Z = 0\} \quad (44)$$

$$-0.5 \text{ .D} \quad \underline{0} \text{ .C} \quad 1 \text{ .B} \quad 0.5 \text{ .A}$$

$$P\{Z < 0\} \quad (45)$$

$$0.0002 \text{ .D} \quad 1 \text{ .C} \quad 0.9998 \text{ .B} \quad \underline{0.5} \text{ .A}$$

$$8 \quad \quad \quad 70 \quad \quad \quad \blacktriangleleft$$

$$\quad \quad \quad \cdot ( \quad 60 \quad \quad \quad ) \quad 60 \quad \quad \quad \cdot$$

$$: \quad \quad \quad (46)$$

$$\underline{0.8944} \text{ .D} \quad 0.1056 \text{ .C} \quad 0.2589 \text{ .B} \quad \underline{0.8944} \text{ .A}$$

$$: \quad \quad \quad (47)$$

$$8.944 \text{ .D} \quad \underline{89.44\%} \text{ .C} \quad 8.944\% \text{ .B} \quad 0.8944 \text{ .A}$$

$$: \quad \quad \quad 80 \quad 60 \quad \quad \quad (48)$$

$$0.9892 \text{ .D} \quad \underline{0.7888} \text{ .C} \quad 0.1056 \text{ .B} \quad 0.4569 \text{ .A}$$

$$: \quad \quad \quad (49)$$

$$560 \text{ .D} \quad 64 \text{ .C} \quad 8 \text{ .B} \quad \underline{70} \text{ .A}$$

$$: \quad \quad \quad (50)$$

$$3.49 \text{ .D} \quad \underline{70} \text{ .C} \quad 64 \text{ .B} \quad 8 \text{ .A}$$