



**Free Questions for **CSSBB** by **certscare****

**Shared by **Guy** on **06-06-2022****

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## Question 1

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**Question Type:** MultipleChoice

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The number of factors, levels and replications:

**Options:**

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**A-** 3, 3, 3

**B-** 2, 3, 2

**C-** 3, 2, 2,

**D-** 3, 2, 3

**E-** 2, 2, 2

**F-** none of the above

**Answer:**

---

D

## Question 2

---

**Question Type: MultipleChoice**

---

This experimental design is:

**Options:**

---

- A- full factorial
- B- half factorial
- C- quarter factorial
- D- none of the above

**Answer:**

---

B

## Question 3

---

**Question Type: MultipleChoice**

---

If the value of the test statistic had been 7.03, what action should have been taken regarding the null hypothesis?

**Options:**

---

A- rejected

B- accepted

C- not rejected

D- none of the above

**Answer:**

---

A

## Question 4

---

**Question Type: MultipleChoice**

---

If the value of the test statistic had been 0.185, what action should have been taken regarding the null hypothesis?

**Options:**

---

A- rejected

**B-** accepted

**C-** none of the above

**D-** all of the above

**Answer:**

---

C

## Question 5

---

**Question Type:** MultipleChoice

---

What is the value of the test statistic?

**Options:**

---

**A-** 0.898

**B-** 1.251

**C-** 0.429

**D-** 3.57

E- none of the above

**Answer:**

---

D

## Question 6

---

**Question Type: MultipleChoice**

---

If  $\alpha = 0.5$ , what is the critical value?

**Options:**

---

A- 2.365

B- 2.306

C- 1.860

D- 1.895

**Answer:**

---

D

## Question 7

---

**Question Type:** MultipleChoice

---

Is this a left-tail, right-tail or two-tail test?

**Options:**

---

A- no

B- left-tail

C- right-tail

D- two-tail

**Answer:**

---

C

## Question 8

---

**Question Type: MultipleChoice**

---

Find sd:

**Options:**

---

**A-** 0.2875

**B-** 0.3502

**C-** 0.2714

**D-** 0.2295

**Answer:**

---

D

## Question 9

---

**Question Type: MultipleChoice**

---

Find the average difference  $\bar{d}$ .



Document #	Time Reqd, sec	
	Ptr #1	Ptr#2
1	4.2	3.9
2	5.6	5.5
3	2.8	2.9
4	7.1	6.7
5	11.5	11.0
6	8.2	8.1
7	12.3	11.8
8	13.5	13.0

**Options:**

---

A- 0.2875

**B-** 0.3502

**C-** 0.2714

**D-** 0.2295

**Answer:**

---

A

## Question 10

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**Question Type:** MultipleChoice

---

A control chart is to be used to display the number of non-conducting diodes. Each point on the chart represent the number of bad diodes in a box of 1000. The appropriate control chart to use is:

**Options:**

---

**A-** x-bar and R

**B-** median

**C-** individual and moving range

D- p

E- np

F- u

G- c

**Answer:**

---

E

## Question 11

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**Question Type:** MultipleChoice

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The temperature in a storage location is logged once every 30 minutes. The control chart that is appropriate for displaying these values is:

**Options:**

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A- x-bar and R

B- median

C- individual and moving range

D- p

E- np

F- u

G- c

**Answer:**

---

C

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