

Research testbank

1. What is the sensitivity of a test showing the following results ?

- a) 13.8%
- b) 86.2%
- c) 4.8%
- d) 95.2%
- e) 94.5%

Test Result	Disease	No Disease
Test positive	520	30
Test negative	83	600

2. Two groups of soldiers were assigned to military bases in Vietnam and a European country from the year 1969 to the year 1974. In 1980 they were studied for emotional and psychological effects that may have resulted from that previous experience. This type of study is considered :

- a) Case – control study
- b) Cohort study
- c) Cross sectional study
- d) Case series
- e) Ecological study

3. In a study observing the relationship between myopia (shortness of vision) and smart phone usage, Two groups of examinees one diagnosed with myopia and the other not, were asked about how long did they own their smartphone and how many hours a day in average did they use them in the last 2 years and for what, this type of study is considered:

- a) Cohort study
 - b) Cross sectional study
 - c) Case control study
 - d) Descriptive study
 - e) Interventional study
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4. Two groups of patients with hypertension were asked about the troubling side effects they faced while using their current medication, then one of the two groups was given an alternative treatment for a period of time. The two groups then were again asked about what side effects they may have faced in this period, this type of study is considered:

- a) Cohort study
 - b) Descriptive study
 - c) Case control study
 - d) Analytical study
 - e) Experimental research
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5. The strongest epidemiological study model of the following is:

- a) Cohort studies
 - b) Descriptive studies
 - c) Experimental studies
 - d) Case control studies
 - e) Analytical studies
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6. The Difference between experimental and analytical experiments:

- a) in experimental you can manipulate and control exposures but in analytical you can't.
 - b) Experimental is concerned with agent, environment and host but analytical is concerned with person, place and time.
 - c) Randomisation is present in one rather than the other
 - d) Analytical is more advanced than experimental
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7. A research was held on babies to see if a vaccination was effective against a certain disease. After giving the vaccine to the babies they were sent home, and parents were asked to follow up with the babies and to return after two weeks. This study is:

- a) Experimental

- b) Cohort analytical
- c) Descriptive
- d) Case control analytical

The table below shows the results from looking at the diagnostic accuracy of a new rapid test for HIV in 100,000 subjects, compared to the Reference standard ELISA test. The rows of the table represent the test result and the columns the true disease status (as confirmed by ELISA). Answer the following questions:

	HIV+	HIV-	Total
Test +	378	397	775
Test -	2	98,823	98,825
	380	99,220	100,000

8. What is the Sensitivity of the new rapid test for HIV?

- a) 0.995
- b) 0.999
- c) 0.996
- d) 0.488

9. What is the Specificity of the new rapid test for HIV?

- a) 0.488
- b) 0.996
- c) 0.995
- d) 0.999

10. What is the Positive predictive value (PPV) for the new rapid test for HIV in this cohort?

- a) 0.999
- b) 0.995
- c) 0.488
- d) 0.996

ANSWERS:

1=b	2=b	3=c	4=e	5=c
6=a	7=a	8=a	9=b	10=c

"أَنَّ الْأَرْضَ يَرِثُهَا عِبَادِيَ الصَّالِحُونَ" سورة الأنبياء

أم تشك بوعد الله ، لا سمح الله؟

مجموعة من الكتب و المواد المشوقة لمن أراد أن يتفقه في القضية الفلسطينية:

- أول و أهم كتاب لبناء **العقيدة** و فهم العدو: القرآن الكريم و السنة النبوية
- كتاب أمير الظل >للأسير المهندس عبد الله غالب البرغوثي وهو الأطول حكماً في سجون الاحتلال<
- كتاب خمسة آلاف يوم في عالم البرزخ >الأسير حسن عبد الرحمن سلامة الذي ما يزال في سجن الاحتلال الإسرائيلي لأكثر من 20 عام <
- كتاب الشيخ أحمد ياسين شاهد على عصر الإنتفاضة
- كتاب المئذنة الحمراء >لإبراهيم غوشة<
- سلسلة حلقات شاهد على عصر مع عبد الحكيم حنيني
- مذكرات الحاج محمد أمين الحسيني >مهم جدا<
- يوميات هرتزل إعداد أنيس صايغ >هرتزل هو مؤسس الصهيونية السياسية الحديثة يساعدك الكتاب على معرفة الطرق التي أقنع بها هرتزل الغرب و غيرهم بإقامة الكيان<
- اعترافات جولدامائير (لفهم النفسية التي كانت عند مؤسسي الكيان الأوائل)
- طريق مصر إلى القدس >بطرس غالي< (لتفهم كيف بيعت فلسطين في أروقة المفاوضات في كامب ديفيد) كذلك يفيد في نفس الموضوع كتاب : السلام الضائع في اتفاقيات كامب ديفيد مذكرات محمد إبراهيم كامل

ولا تنسى أننا نقرأ لنعمل ، فالمنتصر من يطبق الأفكار في أرض الواقع.