

Questions L1

<p>1. Data is transformed to information by processing by:</p> <p>a) Descriptive studies b) Analytical studies c) Statistical studies d) Experimental studies</p>	A
<p>2. 1st step in the 8 step model of research is:</p> <p>a) Determine research problem. b) Write protocol. c) Construct tools of data collection. d) Processing data.</p>	A
<p>3. All of the following are criteria of research objectives except:</p> <p>a) Specific b) Achievable c) Realistic d) Expensive</p>	D
<p>4. Using statistics to get idea about parameters is called</p> <p>a) Sampling. b) Inference. c) Inclusion. d) Hypotheses.</p>	B
<p>5. Case report is</p> <p>a) An interventional study b) Prospective study c) Clinical trial d) Descriptive study</p>	D



<p>11. Regarding cross-sectional studies all are true, EXCEPT:</p> <ul style="list-style-type: none"> a) Relatively easy and quick , b) Can estimate exposure proportions in population c) Can estimate disease specific incidence rate d) Good for generating hypothesis about the cause of disease 	<u>C</u>
<p>12. In early 1981 an unprecedented number of cases of Kaposi's sarcoma were diagnosed in group of young homosexual men. This was noteworthy because previously his malignancy had been seen almost exclusively in the elderly and affected men and women equally. This stimulated further research to define an emerging disease that AIDS. What type of study this?</p> <ul style="list-style-type: none"> a) Cross sectional b) Case report c) Case series d) Correlational study 	<u>C</u>
<p>13. A total 3500 patients with thyroid cancer are identified and surveyed by patients' interview with referral to past exposure to radiation. This study design most appropriately illustrates:</p> <ul style="list-style-type: none"> a) Cross sectional study b) Case report c) Case series d) Correlational study 	<u>A</u>
<p>14. Descriptive study does not answer:</p> <ul style="list-style-type: none"> a) What b) When c) Where d) Who 	<u>A</u>



<p>15. The careful detailed report the is given by clinicians to profiles a single patient's case called:</p> <p>a) Case report b) Case series c) Correlation study d) Cross-section study</p>	A
<p>16. In 1961, pulmonary embolism was detected in a 35-years, female after 5 years of using oral contraceptive pills. This phenomenon was considered interesting as pulmonary embolism usually occurs among old, post-menopausal women. This type of descriptive studies is called:</p> <p>a) Case-report b) Case series c) Correlation studies d) Cross sectional studies</p>	A
<p>17. Is used to estimate prevalence rate.</p> <p>a) Ecological b) Case-control c) Cross sectional d) Cohort</p>	C
<p>18. Snapshot studies is a term given to describe:</p> <p>a) Cross-sectional b) Cohort c) Longitudinal d) Case control</p>	A
<p>19. Follow up is required in which of the following:</p> <p>a) Longitudinal studies b) Case-control c) Case report d) Case series</p>	A



Questions L2

<p>1. Which of the following is true about case-control study;</p> <p>a) One type of descriptive studies.</p> <p>b) Can measure prevalence rate of disease.</p> <p>c) Allows the study of several risk factors.</p> <p>d) Best study to calculate incidence rate</p>	C
<p>2. Residents of three villages with three different types of water supply were asked to participate in a study to identify typhoid carries because several cases had occurred in the recent years. Every person was present at the time of examination. The prevalence of carriers in each village was computed and compared. This study is:</p> <p>a) Cross-sectional</p> <p>b) Case-control</p> <p>c) Retrospective cohort</p> <p>d) Prospective cohort</p>	A
<p>3. Odds ration can be calculate from:</p> <p>a) Case control study</p> <p>b) Descriptive study</p> <p>c) Cohort study</p> <p>d) Experimental study</p>	A
<p>4. The association between low birth weight (LBW) and maternal smoking during pregnancy can be studied by obtaining smoking history from mothers with LBW infants and comparing in smoking histories of an equal number of mothers with normal birth weight infants. What type of study is this?</p> <p>a) Prospective</p> <p>b) Cross sectional</p> <p>c) Case control</p> <p>d) Cohort study</p>	C



<p>5. Odds ratio (an estimate of relative risk)</p> <p>a) Can be calculated from Case control Study. b) Can be calculated from Cross-sectional study. c) Can be calculated from Cohort study. d) Can be calculated from Experimental study</p>	A
<p>6. While investigating a point source epidemic, it was found that 120 students ate 4 different foods (meat burger, fried fish, steak & rice). The odds ratio was calculated for each one of these 4 foods. It was concluded that fish was not the cause of this epidemic because its odds ratio was:</p> <p>a) 0.7 b) 1.2 c) 1.7 d) 3.0</p>	A
<p>7. To determine an odds ratio one would have to perform which of the following studies:</p> <p>a) cross-sectional study b) case-control study c) A randomized clinical trial study d) Cohort study</p>	B
<p>8. In study on 500 cases of disease and 500 controls the suspected risk factor was found in 400 cases and 100 of the controls,. The incidence of disease in the person with the risk factors is:</p> <p>a) 80% b) 40% c) 20% d) Cannot be computed from data given</p>	D



Questions L3

<p>1. <u>Two groups of smokers and non-smokers were followed up for 20 years to study relationship between smoking and lung cancer. What are the risk measure that can be calculate from such type of studies?</u></p> <p>a) Incidence rate of lung cancer among smokers b) Incidence rate of lung cancer among non-smokers c) Relative risk d) All of the above</p>	D
<p>2. <u>The incidence rate of lung cancer is 150/100000 person in certain year in community among smokers and 15/100000 person among non smokers in the same year. The relative risk for developing lung cancer among smokers compared to non-smokers is</u></p> <p>a) 5 b) 10 c) 30 d) 50</p>	B
<p>3. <u>In longitudinal study 200 of 1200 participants were found to have coronary heart disease. Over the next year 150 participants were newly diagnosed as coronary heart disease, the incidence rate in the last year is</u></p> <p>a) 350/1000 b) 200/1200 c) 150/1000 d) 150/1200</p>	C
<p>4. <u>Which of the following is false about cohort study?</u></p> <p>a) An analytic epidemiologic study design b) The investigator proceeds from exposure to disease c) Useful for examining rare exposure d) Optimal for study of rare disease</p>	D



<p>17. Two groups of hepatitis B patient and non-hepatitis B persons were followed-up for 20 years to study relationship between hepatitis B and hepatic cancer. What is the risk measure that can't be calculated from this study?</p> <p>a) Relative risk b) Odds ratio c) Incidence rate of lung cancer among hepatitis B patients d) Incidence rate of hepatic cancer among non-hepatitis B persons</p>	B
<p>18. The incidence rate of cancer bladder is 100/1000 among males suffering from urinary Schistosomiasis in a certain year and locality and 10/1000 among males not suffering from Schistosomiasis in the same year and locality. The relative risk for developing cancer "bladder among urinary Schistosoma patients compared to normal is:</p> <p>a) 5 b) 10 c) 30 d) 50</p>	B
<p>19. If the exposure is rare, the following design is efficient:</p> <p>a) Case control b) Cohort c) Experimental d) Case series</p>	B
<p>20. The following is a very important source of bias in cohort study:</p> <p>a) Losses of follow up b) Expensive c) Methods can be standardized d) Study several outcomes</p>	A



<p>5. <u>A new test was developed for screening blood donors for HIV, a group of the non-diseased was tested positive. This type of error is called:</u></p> <p>A. True positive B. False positive C. True negative D. False neg</p>	B
<p>6. <u>On testing the results of ultrasonography as a screening test for diagnosis of cancer kidney, a study was performed on 1000 cases of high risk group of which 50 cases were eventually determined by CT to have cancer and 100 were determined by ultrasonography to be positive among them 40 were also confirmed by CT. The calculate positive predictive value is:</u></p> <p>a) 20% b) 40% c) 60% d) 80%</p>	B
<p>7. <u>The ability of the screening test to identify correctly those who have the disease is termed</u></p> <p>a) Sensitivity b) Specificity c) Reliability d) Predictive value</p>	A
<p>8. <u>Compared to glucose tolerance test, glycosuria as a screening test to detect diabetes mellitus has:</u></p> <p>a) Low validity b) High validity c) Equal validity d) The comparison is not valid</p>	A



9. On assessing a new screening test for diagnosis of breast cancer, a study was performed on 5000 females, results were shown in the following table:

Screening test	True diagnosis		Totals
	Diseased	Not diseased	
Positive	850	150	1000
Negative	350	3650	4000
Totals	1200	3800	5000

- The calculated negative predicted value of this screening test is:
 - a) 850/1200
 - b) 365/400
 - c) 365/380
 - d) 850/1000

B

10. Antenatal care and screening of school students are examples of:

- a) Mass screening
- b) High risk screening
- c) Multiphase / Multipurpose screening
- d) Random screening

C

11. When the test is repeated under standard conditions and always gives the same results this is called:

- a) Predictive value
- b) Sensitivity
- c) Reliability
- d) Validity

C

12. In screening test: reliability, repeatability validity and sensitivity which pair is analogues?

- a) Validity is analogous to repeatability
- b) Reliability is analogous to repeatability
- c) Validity is analogous to sensitivity
- d) Validity is analogous to reliability

B



13. For the calculation of negative predicted value of screening test, the denominator (المقام) is comprised of:

- a) True negatives+ false negatives
- b) Total positives
- c) True negative
- d) True negatives+ false positive

A

14. Assuming that mammography has a sensitivity of 90% and a specificity of 98% and that consecutive tests are independent, what is the probability that a woman with breast cancer will have a negative yearly screening mammogram for two consecutive years?

- a) 1/10
- b) 2/10
- c) 4/10
- d) 1/100
- e) 4/100

D

طالما قالك سنتين ورا بعض هتحتسب النسبة ع سنة عادي جدا وبعدين تربعها

15. An investigator evaluated 100 patients suffering from major depression as confirmed by the attending psychiatrist. The results were as follows:

Screening test	True diagnosis		Totals
	Diseased	Not diseased	
Positive	12	42	54
Negative	28	18	46
Totals	40	60	100

- What will be the sensitivity?
 - a) 40%
 - b) 60%
 - c) 30%
 - d) 54%
 - e) 70%

C



20. On assessing a new screening test for diagnosis of breast cancer, a study was performed on 5000 females, results were shown in the following table:

Screening test	True diagnosis		Totals
	Diseased	Not diseased	
Positive	850	150	1000
Negative	350	3650	4000
Totals	1200	3800	5000

- The calculated negative predicted value of this screening test is:
 - a) 850/1200
 - b) 365/400
 - c) 365/380
 - d) 850/1000

B

21. When the test is repeated under standard conditions and always give the same result, this is called:

- a) Predictive value.
- b) Sensitivity.
- c) Reliability.
- d) Validity

C

22. Reliable test is the test characterized by:

- a) Least time consuming
- b) Cost effective test
- c) Give same values when repeated
- d) Not false test

C

23. Sensitivity of a screening test is:

- a) Ability of the test to identify correctly those having the disease i.e. it gives few false positive results.
- b) Ability of the test to identify correctly those who do not have the disease.
- c) Calculated from the formula (true positive/ all positives)
- d) Calculated from the formula (true positive/ all with disease)

D



24. Screening for disease is:

- a) Done to investigate apparently healthy individuals
- b) Done to diagnose a disease
- c) Used as a basis for treatment
- d) Used on an individual basis

A**المقارنة دي مهمة جدا لازم تكون عارفها****25. On assessing a new screening test for diagnosis of breast cancer, a study was performed on 2500 females, results of the new screening test were shown in the following table**

Screening test	True diagnosis		Totals
	Diseased	Not diseased	
Positive	750	250	1000
Negative	50	1450	1500
Totals	800	1700	2500

D

- The calculated sensitivity of this screening test is:
 - a) 75/100
 - b) 145/150
 - c) 170/250
 - d) 75/80

26. A rare disorder of amino acid metabolism causes severe mental retardation if not treated. If this disease is detected soon after birth a restrictive diet prevents mental abnormalities which of the following characteristic would be the most desirable in a screening test for this disease?

- a) High specificity
- b) High sensitivity
- c) High positive predictive value
- d) High negative predictive value

B**27. Which of the following diseases cannot be target for screening program**

- a) Influenza
- b) Cancer breast
- c) HBV
- d) Phenylketonuria

A

28.. From the following tables

Screening test	True diagnosis		Totals
	Diseased	Not diseased	
Positive	9	18	27
Negative	1	72	73
Totals	10	90	100

- The positive predictive value of this screening test is
 - a) 72%
 - b) 33%
 - c) 50%
 - d) 90%

B

29. In cross sectional study to calculate validity of tuberculin test in screening of pulmonary TB, the results were as follows

Screening test	True diagnosis		Totals
	Diseased	Not diseased	
Positive	294	21	315
Negative	6	679	685
Totals	300	700	1000

- The sensitivity of tuberculin is:
 - a) $679/(679 + 21)$
 - b) $294/(300 + 6)$
 - c) $294/(294 + 6)$
 - d) $679/(700 + 21)$

C

30. You are using new influenza screening test you find study that evaluated 1000, 400 had the disease, 300 of them has +ve test and 100 of them has a -ve test. Those who don't have the disease 200 had +ve test and 400 had -ve tests what is the +ve predictive value

- a) 50%
- b) 60%
- c) 66%
- d) 75%

B



<p>10. As a measure for central tendency:</p> <p>a) Mean cannot be used when data are normally distributed.</p> <p>b) Mean can be used when data are skewed.</p> <p>c) Median can be used when the data are skewed</p> <p>d) Median is common central tendency measure when the data are normally distributed</p>	<p>C</p>
<p>11. If the following value "0,3,7,9,4,10,70,69" is a set of data, the best measure of central tendency is:</p> <p>a) Mean</p> <p>b) Median</p> <p>c) Mode</p> <p>d) Range</p> <p>e) SD</p>	<p>B</p>
<p>12. 11 child: 5 of them have a weight more than 2.5 KG, 5 of them have a weight less than 2.5 KG , then 2.5KG resembles what ?</p> <p>a) Mode</p> <p>b) Median</p> <p>c) Mean</p> <p>d) Range</p>	<p>B</p>
<p>13. 18.The type of variable of blood pressure of patients admitted to the ICU which is classified as: normotensive, hypertensive and hypotensive is considered:</p> <p>a) Nominal</p> <p>b) Ordinal</p> <p>c) Matric</p> <p>d) Discrete</p> <p>e) Continuous</p>	<p>B</p>



<p>14. The best sampling technique applied when studying a heterogenous population is</p> <p>a) Simple random sample b) Systemic random sample c) Cluster sample d) Stratified random sample</p>	<u>D</u>
<p>15. To investigate poliomyelitis immunization coverage in Egypt, the best sampling technique is:</p> <p>a) Cluster b) Multistage random sample c) Simple random sample d) Purposive sample e) Systematic random sample</p>	<u>B</u>
<p>16. Which of the following techniques yields a simple random sample?</p> <p>a) Choosing volunteers from an introductory psychology class to participate b) Listing the individuals by ethnic group and choosing a proportion from within each ethnic group at random. c) Numbering all the elements of a sampling frame and then using a random number table to pick cases from the table. d) Randomly selecting schools, and then sampling everyone within the school.</p>	<u>C</u>
<p>17. Select all of the following statements which you believe to be true, A truly random sample of the 4th year medical students would be obtained by:</p> <p>a) Selecting an individual from every fourth house on a street. b) Selecting every individual with a surname beginning with the letter 'S' c) Selecting every 20th individual from a list of patients registered with a GP. d) Allocating each individual a unique number and using a computer to randomly generate numbers for selection. e) Closing eyes and sticking a pin into a telephone directory.</p>	<u>D</u>



<p>18. <u>Determining the sample interval, randomly selecting the 1st number, and including each 5th element in your sample are the steps for which form of sampling?</u></p> <p>a) Simple Random Sampling b) Stratified Random Sampling c) Systematic Sampling d) Cluster sampling</p>	 C
<p>19. <u>Random sampling or probability sampling includes all the following techniques, except:</u></p> <p>a) Simple random sampling b) Stratified random sampling c) Cluster sampling d) Purposive Sampling</p>	 D
<p>20. <u>In a community of 3000 people, 80% are Hindus, 10% Muslims, 5% Christians, and 5% others. To select a sample of 300 people to analyze food habits, ideal sampling method would be:</u></p> <p>a) Simple random sampling b) Stratified random sampling c) Systematic random sampling d) Inverse sampling</p>	 B
<p>21. <u>In nine families surveyed, the numbers of children per family were 4, 6, 2, 2, 4, 3, 2, 1, and 7. The mean, median, and mode numbers of children per family are, respectively,</u></p> <p>a) 3.4, 2, 3 b) 3, 3.4, 2 c) 3, 3, 2 d) 2, 3.5, 3 e) 3.4, 3, 2</p>	 E



<p>32. Which of the following terms means the distance between the 25th and 75th percentiles, used to Describe the dispersion of values?</p> <p>a) Confidence Interval. b) F distribution. c) Interquartile Range. d) Normal Range.</p>	C
<p>33. Which of the following terms means the spread or dispersion of data (the positive square root of the variance)?</p> <p>a) Standard Deviation (SD). b) Standard Error (SE). c) Standard Error of the estimate. d) Standard Error of the Mean (SEM).</p>	A
<p>34. The best summary measure for body mass index variable in a set of cardiac patients when the variable is normally distributed is</p> <p>a) Median b) Mean c) Mode d) Frequency e) Percentage</p>	B



Questions L7 Data Presentation

<p>1. You are preparing a report to present mortality & morbidity from covid 19 according to age group (<20 ,20:40,> 40) during the last 12 months which group best describe these data</p> <p>a) Simple par chart b) Multiple par chart c) Frequency polygon d) Histogram e) Pie chart</p>	B
<p>2. Serum cholesterol level in a group of young adults was found to be approximately normally distributed with mean level 170 mg/dl and standard deviation 8mg/dl which of the following intervals include approximately 68% of Serum cholesterol in these group?</p> <p>a) 160 - 180 mg /dl b) 162 - 178 mg /dl c) 150 - 190 mg /dl d) 154 - 186 mg /dl e) 140 - 200 mg /dl</p>	B
<p>3. Graph showing the relation between serum calcium and bone mineral density variable is called.</p> <p>a) Scatter diagram b) Frequency polygon c) Picture chart d) Histogram e) Pie chart</p>	A
<p>4. Which of the following data is best described by histogram?</p> <p>a) Hight b) Gender c) Type of TTT d) Severity of pain</p>	A



<p>5. <u>All of the following are types of the bar charts except</u></p> <p>a) Simple bar charts b) Multiple bar charts c) Circular bar charts d) Component bar charts</p>	C
<p>6. <u>The histogram is the graphical presentation of the following types of variables</u></p> <p>a) Nominal b) Discrete c) Continuous d) Categorical</p>	C
<p>7. <u>An analysis of anemia among a group of patients revealed that 10% were normal, 40% were mild anemic, 30% moderate and 20% severe anemic. These data would best be represented graphically by:</u></p> <p>a) Normal curve distribution. b) Pie chart. c) Histogram d) Multiple bar chart</p>	B
<p>8. <u>The most common types of graphical presentation for discrete data are:</u></p> <p>a) Histogram, smooth curve b) Bar-chart, frequency polygon. c) Pie chart, smooth curve. d) Bar chart, Pie chart</p>	D
<p>9. <u>The graph that can be used to plot levels of blood pressure that are divided into intervals mmHg (70-74-75-79,80-84,etc..) is:</u></p> <p>a) Pie chart b) Bar chart c) Line graph d) Histogram</p>	D



<p>10. <u>An analysis of malnutrition among a group of people revealed that 10% were normal, 50% were anemic, 30% had scurvy and 10% had osteoporosis.</u> <u>From the following select the best graph to represent these data:</u></p> <p>a) Normal distribution curve b) Histogram c) Pie chart d) None of the above</p>	<p>C</p>
<p>11. <u>In simple frequency table, the number of observation in a particular class is called:</u></p> <p>a) Width of the class b) Frequency c) Class interval d) Class mark</p>	<p>B</p>
<p>12. <u>In a normal distribution curve, if mean equals 50 & SD = 5 what is the correct answer among choices ?</u></p> <p>a) 95% from 40 to 60. b) 100% from 40 to 60 c) 95% from 20 to 40 d) 80% from 40 to 60</p>	<p>A</p>
<p>13. <u>Which of the following figures would be appropriate for illustrating the relationship between gender and blood group in a sample of patients?</u></p> <p>a) Simple bar chart. b) Pie chart c) Histogram d) Polygon e) Component bar chart</p>	<p>E</p>



<p>19. In a negatively skewed distribution, the mean generally falls to:</p> <p>a) The left of the median and the median usually lies to the left of the mode.</p> <p>b) The right of the median and the median usually lies to the right of the mode.</p> <p>c) The middle of median and mode.</p> <p>d) The center of the distribution.</p>	<p>A</p>
<p>20. Which statement about normal distribution is FALSE?</p> <p>a) 50 percent of the observations fall within one standard deviation of the mean.</p> <p>b) 68 percent of the observations fall within one standard deviation of the mean.</p> <p>c) 95 percent of observation falls within 2 standard deviations.</p> <p>d) 99.7 percent of observations fall within 3 standard deviations of the mean.</p>	<p>A</p>
<p>21. The listed observations- 1,2,3,4,100, suggest the distribution:</p> <p>a) Is positively skewed.</p> <p>b) Is negatively skewed.</p> <p>c) Has zero skewness.</p> <p>d) Is left-skewed.</p>	<p>A</p>
<p>22. In a population of 100 females in the age group of 15-45, the mean systolic BP was found to be 120. In a normal curve distribution, the number of people who would have an average BP above 120 will be:</p> <p>a) 25</p> <p>b) 50</p> <p>c) 75</p> <p>d) 95</p>	<p>B</p>



Questions L4 Experimental Study

<p>1. Regarding phases of testing new agent, one of the following is true:</p> <p>a. Phase 1: evaluate its safety, determine a safe dosage range, & identify side effects.</p> <p>b. Phase 2: establish the efficacy of the drug, usually against a placebo.</p> <p>c. Phase 3: The experimental treatment is given to a larger group of people (100–300)</p> <p>d. Phase 4: Post-marketing studies.</p>	D
<p>2. The type of the study that can actually prove causation is:</p> <p>a- Cohort study.</p> <p>b- Case control study.</p> <p>c- Experimental study.</p> <p>d- Cross sectional study</p> <p>e- Case report</p>	C
<p>3. The first step in any experimental design is:</p> <p>a- Follow up.</p> <p>b- Selection of study population.</p> <p>c- Getting informed consent.</p> <p>d- Allocation of subjects to experimental and control group</p> <p>e- Analyze the results</p>	B
<p>4. The classical phase of a clinical trial which is performed on patients and aim to assess efficacy and safety is:</p> <p>a) Phase I</p> <p>b) Phase II</p> <p>c) Phase III</p> <p>d) Phase IV</p> <p>اكذنا ع كلمة كلاسيكل في الشرح لان بعدها نتاخذ موافقة والدواء يتعرض في السوق او لا</p>	oC



<p>10. Randomization means:</p> <ul style="list-style-type: none"> a) Characterizes experimental study b) Each subject has equal chance of being assigned to any group in the study c) All groups in a study are similar in all characteristics d) Selection bias is avoided e) All of the above 	E
<p>11. The group that receives the experimental treatment is the</p> <ul style="list-style-type: none"> a) Independent group b) Participant group c) Control group d) Standard group e) Experimental group 	E
<p>12. In a triple blind study:</p> <ul style="list-style-type: none"> a) Subjects are unaware of whether they are in the experimental or control group study b) Subjects and the observer are unaware of the subjects group allocation c) Subjects, the observer and data analyst are unaware subjects group allocation. d) Non of the above 	C
<p>13. In the study of the cause of a disease the essential difference between an experimental study and observational study is that in the experimental investigation:</p> <ul style="list-style-type: none"> a) study is prospective b) study is retrospective c) The study and control groups are of equal size d) The study and control groups are selected on the basis of history of exposure to suspected casual factor e) The investigators determine randomly who is and who is not exposed to the suspected causal factor 	E



Questions L8 Mortality Statistics

<p>1. 566 persons are diagnosed with a certain disease, 17 of them died calculate <u>case fatality rate:</u></p> <p>a) 4%</p> <p>b) 3%</p> <p>c) 25%</p> <p>d) 1%</p>	B
<p>2. <u>In an outbreak of cholera in a village of 2000 population, 20 cases have occurred and 5 died. Case fatality rate is;</u></p> <p>a) 1%</p> <p>b) 25%</p> <p>c) 5%</p> <p>d) 0.25%</p>	B
<p>3. <u>The most important cause of increased post neonatal mortality rate is:</u></p> <p>a) Prematurity</p> <p>b) Infections</p> <p>c) Birth injuries</p> <p>d) Nutritional deficiencies</p> <p>(مش عليك بس اعرف ان اشهر سبب في السن دا هو العدوي)</p>	B
<p>4. <u>Deaths in the first 28 days of life divided by the number of live births in the same year & locality is termed:</u></p> <p>a) Postneonatal mortality rate</p> <p>b) Perinatal mortality rate</p> <p>c) Neonatal mortality rate</p> <p>d) Infant mortality rate</p>	C



<p>5. <u>The ministry of health had reported 9000 ischemic heart disease during the year 2010 in Egypt, one expressing this number of deaths against total number of deaths in Egypt in this year rate is termed:</u></p> <p>a) Crude death rate b) Age specific death rate c) Cause specific death rate d) Proportionate mortality rat</p>	D
<p>6. <u>In the year 2012 is certain village the health center recorded 100 cases of acute diarrhea, the recorded deaths among these cases were 5 deaths. The case fatality rate of diarrhea in this village was</u></p> <p>a) 10% b) 5% c) 2% d) 1%</p>	B
<p>7. <u>All the following is causes of neonatal mortality except</u></p> <p>a) Prematurity b) Congenital malformations c) ABO incompatibly d) Birth injuries</p>	C
<p>8. <u>The denominator of cause specific death rate is</u></p> <p>a) Number of deaths of particular disease in same year and locality b) Number of reported cases of disease in same year and locality c) Number of mid year estimated population in same year and locality d) Number of total deaths in the same year and locality.</p>	C
<p>9. <u>The rate which its denominator is total population</u></p> <p>a) Crude death rate. b) Maternal mortality rate. c) Infant mortality rate. d) Case fatality rate</p>	A



<p>10. <u>The percent of number of deaths due to specific disease to the total deaths in a specific year and locality is known as:</u></p> <p>a) cause specific death rate b) Case fatality rate . c) Proportional mortality rate d) Prevalence rate</p>	
<p>11. <u>Which is considered an index of the killing power of the disease:</u></p> <p>a) Case- fatality rate b) Proportional mortality rate c) Cause specific mortality rate d) Crude mortality rate</p>	
<p>12. <u>The case-fatality rate for an epidemic of hepatitis A with 600 affected cases and 3 deaths of these cases is:</u></p> <p>a) 0.005% b) 0.05% c) 5% d) 50% e) 0.5%</p>	

