

Tanta University

Faculty of Medicine

Public Health Dept.

23 March 2021

Public health exam for Pediatrics

Master 2nd semester

Number of Questions: 6 questions+10MCQs

Time: 3 Hours

Total marks : 30 Marks



Answer the following questions:

Question 1: Mention each of the following:

- A. The specific prevention of : (5 marks)
- a) Meningitis
 - b) Hepatitis B
- B. The compulsory vaccinations in the first year of life (mention names and route of administration) (3 marks)

Question 2 : Enumerate: Two of each of the following: (3 marks)

- a. Advantages for a case control study
- b. Advantages for a cohort study
- c. Diseases from group A notifiable diseases (immediate notification) in the surveillance for infectious diseases
- d. Risk factors for rheumatic fever
- e. Values of the epidemic curve
- f. Vaccines given at school entry

Question 3: Summarize the following:

- A. Anthropometric measures for assessment of nutritional status in children (2.5 marks)
- B. Prevention of protein energy malnutrition in young children (2.5 marks)
- C. Two strategies of diet therapy for obese non-insulin dependent (type II) diabetic children. (2 marks)

Question 4 : Discuss the following

- A. Types of Carriers & its public health significance (2 marks)
- B. Causes of neonatal mortality (3 marks)

Question 5 : Interpret then answer: (1 mark)

- a. A screening test for a type of cancer was done. The sensitivity of the screening test was equal to 80%, what does this mean?
- b. The positive predictive value for the same test was 90%.

Question 6

Find the mode and mean in the following set of data { 90, 40, 10, 70, 30, 20, 20} . (1 mark)

7-MCQ in biostatistics: (5 marks)

- 1. The variable satisfaction expressed as (satisfied, not satisfied) is :**
 - a. Quantitative and nominal.
 - b. Qualitative and ordinal.
 - c. Qualitative and nominal.
 - d. Non of the above.

- 2. Educational level, as a variable, it is :**
 - a. Discrete.
 - b. Qualitative.
 - c. Ordinal.
 - d. All of the above.

- 3. Respiratory rate, as a variable, it is :**
 - a. Quantitative.
 - b. Continuous.
 - c. Ordinal.
 - d. All of the above.

4. **The heights in centimeters of 5 students are :**

165, 175, 176, 159, 170.

The sample median and sample mean are respectively :

- a. 170, 169
- b. 170, 170
- c. 169, 170
- d. 176, 169

5. **One of the following measures of centrality is affected by extreme values in a set of observation:**

- a- Mean
- b- Median
- c- Mode

6-**A true Zero point is needed for the measurement of scales for the following variable.**

- a. Sex
- b. Social class
- c. Length
- d. Temperature

7-**The first quartile and the median in this data set { 2, 3,5, 7, 8, 9, 9 } are:**

- a. 2 and 5
- b. 3 and 7
- c. 5 and 7
- d. 2 and 8

8- **This data set { 2, 2, 4, 6, 7, 8, 7, 9 } has :**

- a. One mode
- b. Two modes
- c. Three modes
- d. No mode

9- :Which of the following charts is suitable for the quantitative data:

- a. Bar chart
- b. Pie chart
- c. Histogram
- d. Stacked bar chart

10- Which of the following is Not a measure of variation (dispersion):

- a. Mean
- b. Range
- c. Standard deviation
- d. variance

Good Luck