

Tanta University  
Faculty of Medicine  
Public Health Dept.  
3 October 2016

Public health exam for Pediatrics  
Master new system  
Number of Questions: 3  
Time: 3 Hours  
Total marks : 30 Marks



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Answer the following questions:

Question 1 (10 marks): Write short notes about the following:

- A. Carrier states & its public health significance (5 marks)
- B. Steps of outbreak investigation. (5 marks)

Question 2 (10 marks): Give an account on the following:

- A. Types of epidemiological studies (study design)? (5 marks)
- B. Infant mortality rate and its significance? (5 marks)

Question 3 : (10 marks)

A. Describe the Expanded program of immunization in Egypt? (5 marks)

B. Under a certain treatment regimen (A) for 15 cardiac patients, the prothrombin time was 10.50 seconds  $\pm$  2.12, another treatment regimen (B) was conducted for another 22 cardiac patients, who have mean prothrombin time 8.62 seconds  $\pm$  2.88. Test the difference between the two treatment regimens regarding their effect on prothrombin time, considering the P value at 5% level of significance and 35 degrees of freedom is 2.14. (5 marks)

Good Luck