### Assignment 4

**Due on 2018-08-28, 23:59 IST.**

1. Which of the following anti-TB drugs acts best against slowly multiplying mycobacterial tuberculosis?  
   - Rifampicin  
   - Pyrazinamide  
   - Ethambutol  
   - Isoniazid  
   - Streptomycin  
   
   **Note:** The answer is incorrect.  
   **Score:** 0  
   **Accepted Answer:** Ethambutol

2. What is the rate of inhibition of HIV resistance conferred by a drug mutation?  
   - $\frac{1}{2}\times 10^6$  
   - $\frac{1}{2}\times 10^4$  
   - $\frac{1}{2}\times 10^3$  
   - $\frac{1}{2}\times 10^2$  
   - $\frac{1}{2}\times 10^1$  
   
   **Note:** The answer is incorrect.  
   **Score:** 0  
   **Accepted Answer:** $\frac{1}{2}\times 10^6$

3. What is the recommended dose of Ethambutol for an adult patient with pulmonary TB?  
   - Singing body weight  
   - Strong body weight  
   - Strong body weight  
   - Strong body weight  
   - Singing body weight  
   
   **Note:** The answer is incorrect.  
   **Score:** 0  
   **Accepted Answer:** Singing body weight

4. Which of the following statements is incorrect?  
   - A patient with Pulmonary TB who has not shown improvement in symptoms at the end of the intensive phase of treatment
   - A patient with Pulmonary TB whose sputum smear is positive at the end of the intensive phase of treatment
   - A patient with Pulmonary TB who shows no improvement in chest X-ray after one month of treatment
   - A patient with Pulmonary TB who has taken irregular treatment during the intensive phase
   
   **Note:** The answer is incorrect.  
   **Score:** 0  
   **Accepted Answer:** A patient with Pulmonary TB who has taken irregular treatment during the intensive phase

5. According to the National Anti-TB Drug Resistance Survey, what was the proportion of TB patients in India who had isoniazid resistance to any anti-TB drug?  
   - 6.2%  
   - 12.8%  
   - 20%  
   - 1%  
   - 11%  
   
   **Note:** The answer is incorrect.  
   **Score:** 0  
   **Accepted Answer:** 6.2%

6. What is the ideal dosage of Capreomycin for an Extensively Drug Resistant TB (XDR-TB) patient who weighs 60 kg?  
   - 800 mg  
   - 600 mg  
   - 1000 mg  
   - 1200 mg  
   
   **Note:** The answer is incorrect.  
   **Score:** 0  
   **Accepted Answer:** 800 mg

7. What is the most common cardiac adverse effect of Isoniazid?  
   - Sinus bradycardia  
   - Proarrhythmia of the PR interval  
   - Propagation of the QT interval  
   - Ventricular Arrhythmia  
   
   **Note:** The answer is incorrect.  
   **Score:** 0  
   **Accepted Answer:** Proarrhythmia of the QT interval

8. What is the recommended duration of treatment for patients with drug susceptible pulmonary TB without a history of previous TB infection?  
   - 6 months  
   - 9 months  
   - 12 months  
   - 18 months  
   
   **Note:** The answer is incorrect.  
   **Score:** 0  
   **Accepted Answer:** 6 months