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AIIMS Solved Paper 2010 (Part 8 of 20)

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1. Streptococcus all are true except
 - a. streptodornase cleaves DNA
 - b. streptolysis O is active in reduced state
 - c. Streptokinase is produced from serotype A, C, K
 - d. pyrogenic toxin A is plasmid mediated

◦ Answer: d
2. Superantigens true is
 - a. they bind to the cleft of the MHC
 - b. Needs to processed before presentation
 - c. they are presented by APC's to T cells
 - d. directly attached to lateral aspect of TCR beta chain

◦ Answer: d
3. Not used in leptospirosis
 - a. microscopic agglutination test
 - b. dark field illumination
 - c. macroscopic agglutination test
 - d. Weil felix reaction

◦ Answer: d
4. Lymes disease all are true except
 - a. Borellia bourgdorferi replicates locally and invades locally
 - b. Infection progresses inspite of good humoral immunity
 - c. Polymorphonuclear lymphocytosis in CSF suggest meningeal involvement
 - d. IgA intrathecally confirms meningitis

◦ Answer: c

5. HIV pt with malabsorption, fever, chronic diarrhea, with acid fast positive organism. What is the causative agent?
- a. giardia
 - b. microsporidia
 - c. Isopora
 - d. histolytica
- Answer: c
6. Most sensitive test for Treponema
- a. VDRL
 - b. RPR
 - c. FTA-ABS
 - d. Kahn
- Answer: c
7. Maltess cross seen on polarizing microscopy in
- a. Cryptococcus neoformans
 - b. Penicillium marneffi
 - c. Blastomyces
 - d. Candida albicans
- Answer: a
8. Irradiation can be used to sterilize A/E
- a. Bone graft
 - b. Suture
 - c. Artificial tissue graft
 - d. Bronchoscope
- Answer: d
9. Malabsorption caused by A/E
- a. Giardia
 - b. Ascaris lumbricoides
 - c. Strongyloides
 - d. Capillaria philipensis
- Answer: b
10. Antigen antibody precipitation is maximally seen in which of the following?
- a. excess of antibody
 - b. excess of antigen
 - c. equivalence of antibody and antigen

d. antigen haptan interaction

- Answer: c