

National Board of Examinations

Question Paper Name : DNB Microbiology Paper2

Is this Group for Examiner? : No

Enable Mark as Answered Mark for Review and Clear Response : Yes

Question Number : 1 Question Type : SUBJECTIVE

Discuss the epidemiology and laboratory diagnosis of Scrub typhus in India. [5+5]

Question Number : 2 Question Type : SUBJECTIVE

Discuss the post-vaccination changing epidemiology of Streptococcus pneumoniae infections. What are the available vaccines against Streptococcus pneumoniae infections? [5+5]

Question Number : 3 Question Type : SUBJECTIVE

Classify various antifungal agents. Briefly describe the mechanism of drug resistance in fungi. Write briefly about the automated systems for identification and susceptibility testing of fungi. [2+5+3]

Question Number : 4 Question Type : SUBJECTIVE

Regarding Oculomycosis write briefly on the:

- a) Etiological agents. [2]
- b) Sample collection. [3]
- c) Laboratory diagnosis. [5]

Question Number : 5 Question Type : SUBJECTIVE

Discuss the virulence factors and antimicrobial resistance in Shigella. Mention epidemiology of Shigellosis in India. [(3+4)+3]

Question Number : 6 Question Type : SUBJECTIVE

Enumerate the types of pulmonary aspergillosis. Discuss the laboratory diagnosis of allergic bronchopulmonary aspergillosis. [3+7]

Question Number : 7 Question Type : SUBJECTIVE

Define anaerobes. Describe methods of transportation of clinical samples for anaerobic cultures and the laboratory culture techniques. [2+(3+5)]

Question Number : 8 Question Type : SUBJECTIVE

Discuss the pathogenesis and laboratory diagnosis of Mucormycosis. [5+5]

Question Number : 9 Question Type : SUBJECTIVE

Describe the mechanisms and detection of antitubercular resistance in Mycobacterium tuberculosis. Mention the current indian epidemiology of MDR-TB. [(3+4)+3]

Question Number : 10 Question Type : SUBJECTIVE

Discuss briefly the current nomenclature, pathogenesis and laboratory diagnosis of Rhinosporidiosis. [3+3+4]