

• NRI Dental College.
II B.D.S Internal Examination – JUNE-2019

Time: three hours.

[Max. Marks : 35]

MICROBIOLOGY.

1 X 10 = 10 Marks

LONG ESSAY

1. Define Sterilization. Write in detail about sterilization by moist heat.

*** SHORT ESSAY**

2. Bacterial growth curve.
3. Acquired immunity.
4. Structure and functions of IgM.
5. Bacterial cell wall.

*** SHORT ANSWERS**

6. Koch's Postulates.
7. Pasteurization.
8. Four Contributions of Louis Pasteur.
9. Plasmids.
10. Enriched media.



**-GOVERNMENT MEDICAL COLLEGE, AURANGABAD.
II B.D.S Internal Examination – JUNE-2019**

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MICROBIOLOGY.

SECTION B & C:

*** SHORT ANSWERS (ANY FIVE)**

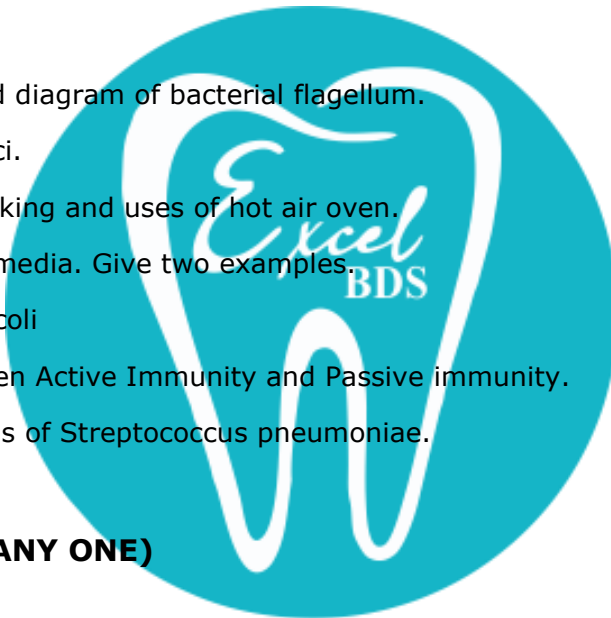
1. Draw a well labelled diagram of bacterial flagellum.
2. Classify Streptococci.
3. Write principle, working and uses of hot air oven.
4. What are transport media. Give two examples.
5. Pathogenesis of E. coli
6. Differentiate between Active Immunity and Passive immunity.
7. Laboratory diagnosis of Streptococcus pneumoniae.

*** LOG ANSWER (ANY ONE)**

1. Define Sterilization and Disinfection. Discuss in detail principle, working of sterilization controls and uses of laboratory Autoclave.

OR

2. Describe in detail morphology, pathogenesis and laboratory diagnosis of Clostridium diphtheriae.



**SREE BALAJI DENTAL COLLEGE & HOSPITAL. CHENNAI.
II B.D.S Internal Examination – JUNE-2019**

Time: three hours

[Max. Marks : 35]

MICROBIOLOGY.

*** LONG ESSAY:**

1. Define Sterilisation. Write in detail about moist heat method of sterilization.

*** SHORT ESSAY**

2. Bacterial growth curve.

3. Differences between active and passive immunity.

5. IgG.



**-GOVT. DENTAL COLLEGE & RESEARCH INSTITUTE, BALLARI.
II B.D.S Internal Examination – JUNE-2019**

Time: three hours

[Max. Marks : 35]

PHARMACOLOGY.

*** LONG ESSAY:**

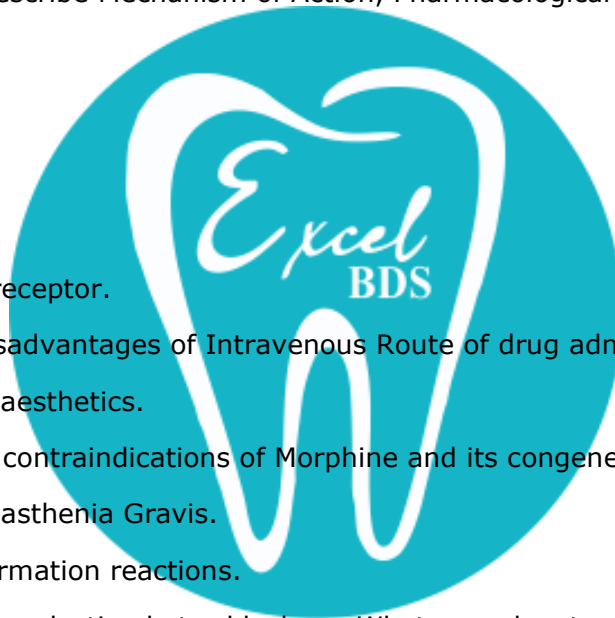
1. Classify Anticholinergic drugs. Describe Mechanism of Action, Pharmacological actions and therapeutic uses of Atropine and its substitutes.
2. Classify NSAIDs. Describe Mechanism of Action, Pharmacological actions and therapeutic uses of Aspirin.

*** SHORT ESSAYS:**

3. G-protein coupled receptor.
4. Advantages and Disadvantages of Intravenous Route of drug administration.
5. Classify General Anaesthetics.
6. Write the uses and contraindications of Morphine and its congeners.
7. Drug therapy of Myasthenia Gravis.
8. Phase II Biotransformation reactions.
9. Examples for Cardio selective beta- blockers. What are advantages of these drug over non selective beta blockers.
10. Classify alpha blockers.

*** SHORT ANSWERS:**

11. Write two examples for Physiological / Functional antagonism.
12. Mention two uses of Ethanol.
13. Drugs used in Treatment of Anticholinesterase Poisoning.
14. Write two examples for Nasal decongestants.
15. Mechanism of Action of Lignocaine.



**-ANIL NEERUKONDA INSTITUTE OF DENTAL SCIENCES.
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PHARMACOLOGY.

*** LONG ESSAY: (18 M)**

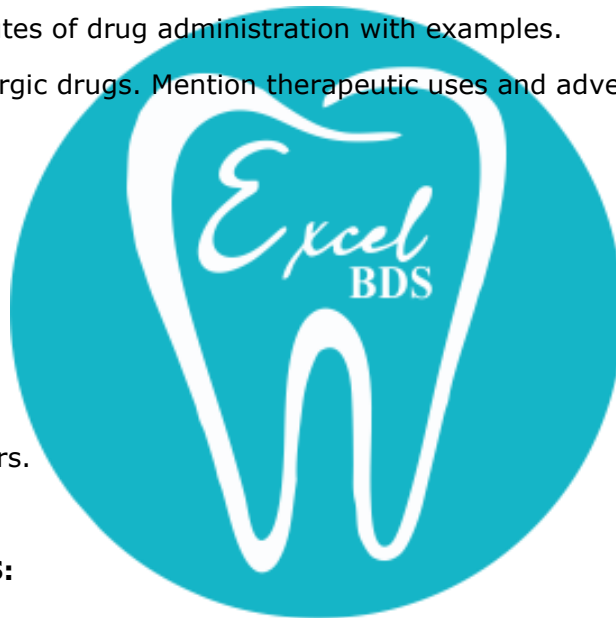
1. Discuss various routes of drug administration with examples.
2. Classify anticholinergic drugs. Mention therapeutic uses and adverse effects of atropine.

*** SHORT ESSAYS:**

3. Pro drug.
4. Drug antagonism.
5. H₁ receptor Blockers.

*** SHORT ANSWERS:**

6. Name four drugs used in bronchial asthma given by inhalational route.
7. Name one SHT receptor agonist and one antagonist with their uses.
8. What therapeutic index and their significance.
9. Name three drugs used in dry distressing cough.



NRI MEDICAL COLLEGE.
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PATHOLOGY.

*** LONG ESSAY:**

1. Define Shock. Classify shock and discuss it's pathogenesis of septic shock.

*** Short essay:**

2. Apoptosis.
3. Vitamin A deficiency.
4. Free radical injury.
5. Virchow's triad.

*** SHORT ANSWERS:**

6. Fat stains.
7. Difference between red and pale infarcts.
8. Metastatic calcification.
9. Fibrinoid necrosis.
10. Marasmus.



**ANIL NEERUKONDA INSTITUTE OF DENTAL SCIENCES.
II B.D.S Internal Examination – JUNE-2019**

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DENTAL MATERIALS.

***LONG ESSAY:**

1. Enumerate the final impression material for edentulous arches and write in detail about inelastic irreversible impression material.

*** SHORT ESSAY:**

2. Free radical polymerization.
3. Theories of setting of gypsum.
4. Hardness tests.
5. Impression waxes.

*** SHORT ANSWERS:**

6. Significance of fusion temperature of impression compound.
7. Non-eugenol impression paste.
8. Contact angle of wettability and its significance.
9. Pour type of resins.
10. Residual stress.

