

## END TERM THEORY EXAMINATIONS; JUNE-2019

<b>Programme:</b>	<b>BDS (Re-appear)</b>	<b>Year/Semester:</b>	<b>2<sup>nd</sup> Year</b>
<b>Course/Subject:</b>	<b>Pharmacology</b>	<b>Duration:</b>	<b>03:00 Hrs.</b>
<b>Subject Code:</b>	<b>0210201</b>	<b>Maximum Marks:</b>	<b>70</b>
<b>Roll No.:</b>			

**Instructions:-**

1. Write your Roll No. on the Question paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any, should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. The Question paper consists of Two Parts: **Part-I and Part-II having 35 Max. Marks for each. Use separate answer books for Part-I and Part-II.** Any mistake in this regard, will be responsibility of the examinee and no complaint(s) will be entertained after the examinations.
4. Attempt the question as per instruction mentioned with each question. Marks are indicated against each question.
5. Illustrate your answer with diagram wherever required.

### PART-I

- Q.1 Explain Why? (4x3=12)**
- a) Methyl ergometrine is not used for induction of labour.
  - b) Allopurinol is not used in Acute Gout.
  - c) Pyridoxin should not be used together with L-Dopa in Parkinsonism.
  - d) Propranolol is contraindicated in Variant Angina.
- Q.2 Describe briefly with suitable examples:- (3x4=12)**
- a) Some drugs are given initially in Loading dose, followed by Maintenance dose
  - b) Drugs following first order kinetics are safer than those following zero order kinetics
  - c) Nerve block anaesthesia
- Q.3 Write short notes on the following:- (4+4+3=11)**
- a) HAART
  - b) Rifampicin
  - c) Styptics

### PART-II

- Q.4 Discuss briefly management of following:- (4+4+3=11)**
- a) Chronic Simple glaucoma
  - b) Radical cure of Malaria
  - c) Status Asthmaticus
- Q.5 Describe therapeutic uses and adverse effect of the following:- (3x4=12)**
- a) Metronidazole
  - b) Aminoglycosides
  - c) Imipramine
- Q.6 Write short notes on:- (3x4=12)**
- a) Protein binding
  - b) Bioavailability
  - c) Potency & Efficacy

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<b>Course/Subject:</b>	<b>General Pathology</b>	<b>Duration:</b>	<b>03:00 Hrs.</b>
<b>Subject Code:</b>	<b>0210202</b>	<b>Maximum Marks:</b>	<b>70</b>
<b>Roll No.:</b>			

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### PART-I

- Q.1** Describe multistep pathway of carcinogenesis. Name the viruses involved human carcinogenesis. Discuss the mechanism of carcinogenesis by human papilloma virus. (4+2+4=10)
- Q.2 Write short notes on:-** (4x2.5=10)
- a) Differences between healing by first intention and second intention
  - b) Differences between dystrophic and metastatic calcification
  - c) Differences between conjugated and unconjugated hyperbilirubinemia
  - d) Differences between acute and chronic inflammation
- Q.3 Discuss briefly (any three):-** (3x5=15)
- a) Pathogenesis of thrombus
  - b) Fatty liver
  - c) Gangrene
  - d) Mechanism of free radical injury

### PART-II

- Q.4** Name the offending organism in infective endocarditis. Enumerate the predisposing factors and complication of infective endocarditis. (2+4+4=10)
- Q.5 Write short notes on:-** (4x2.5=10)
- a) Differences between Leukemoid reaction and leukemia
  - b) Laboratory tests in a suspected case of bleeding disorder
  - c) Risk factors for Oral cancer
  - d) Morphological classification of anaemia
- Q.6 Discuss briefly (any three):-** (3x5=15)
- a) Preneoplastic lesions of oral cavity
  - b) Reaction to injury hypothesis in pathogenesis of Atherosclerosis
  - c) Complications of maturity onset Diabetes Mellitus
  - d) Osteosarcoma

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<b>Course/Subject:</b>	<b>General Microbiology</b>	<b>Duration:</b>	<b>03:00 Hrs.</b>
<b>Subject Code:</b>	<b>0210203</b>	<b>Maximum Marks:</b>	<b>70</b>
<b>Roll No.:</b>			

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### PART-I

- Q.1** Describe the morphology of *Streptococcus pneumoniae*. Describe the laboratory diagnosis of pneumococcal infections. (2+8=10)
- Q.2** Describe the morphology of *Mycobacterium leprae*. Describe the laboratory diagnosis of leprosy. (2+8=10)
- Q.3** Write briefly on **any three:-** (3x5=15)
- a) IgA
  - b) Bacterial growth curve
  - c) Hot air oven
  - d) Gas gangrene

### PART-II

- Q.4** Enumerate any two protozoal parasites. Describe the laboratory diagnosis of intestinal amoebiasis. (2+8=10)
- Q.5** Describe the morphology of Human Immunodeficiency Virus (HIV). Describe the laboratory diagnosis of HIV infection. (2+8=10)
- Q.6** Write briefly on **any three:-** (3x5=15)
- a) Herpes Simplex Virus-1
  - b) Life cycle of malarial parasites
  - c) Dermatophytosis
  - d) Actinomycosis

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<b>Course/Subject:</b>	<b>Dental Materials</b>	<b>Duration:</b>	<b>03:00 Hrs.</b>
<b>Subject Code:</b>	<b>0210204</b>	<b>Maximum Marks:</b>	<b>70</b>
<b>Roll No.:</b>			

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### PART-I

**Q.1 Write in detail about the following:-**

- a) Classify Investment Materials. Write in Detail about Phosphate bonded investment materials. (2+2+4=8)
- b) Enumerate various synthetic resins and discuss the composition and manipulation and uses of Heat-cure acrylicresins. (3+5=8)

**Q.2 Write briefly on the following:-** (2x5=10)

- a) Polymerisation shrinkage
- b) Imbibition and syneresis

**Q.3 Write short notes on:-** (3x3=9)

- a) Mercury Toxicity
- b) Pit & Fissure Sealants
- c) Reversible Hydrocolloids

### PART-II

**Q.4** Classify and give ideal requirements of impression materials and discuss in detail contents, manipulation and merits of Poly vinyl siloxane impression material. (10)

**Q.5** Classify Dental Amalgam, Discuss in detail about high copper Amalgam. (5+5=10)

**Q.6 Write in brief:-** (3x5=15)

- a) Eutectic & Peritectic Alloys
- b) Microfilled composite resin
- c) Proportional Limit

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