

Ref. No.: Ex/Pharm/T/423/2017 (Old),

Dated: 05/04/2017

**B. Pharm. 4<sup>th</sup> Year 2<sup>nd</sup> Semester Examination 2017 (Old)**

Time: 3 hours

Subject: Pharmacology-IV

Full Marks: 100

**GROUP - A** (Answer any *five* questions taking at least *one* from each group)

1. With an example define threshold bioassay? Mention the different methods of Insulin bioassay. Describe any of them. 6+4+10=20
  
2. Write notes on- 2X10=20
  - a. Management of macrocytic hyperchromic/megaloblastic anaemia..
  - b. Haematopoietic growth factors.

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Name of Examination: B.PHARM 4<sup>th</sup> yr, 2<sup>nd</sup> Sem. Exam. 2017 (Old)

Subject: PHARMACOLOGY – IV;

Time: 3 hrs;

Full Marks:100

Use separate answer sheet and clearly mention the question number and part number for each answer.

**GROUP - B**

Q3)

- (a) Provide examples for Systemic and Luminal amebicides. (04)
- (b) Explain how Tetracycline and Tinidazole function in the eradication of Amebiasis. (03 + 04 = 07)
- (c) Prove the mode of action for the drugs - Nifurtimox, Pentamidine and Melarsoprol act in the management of Trypanosomiasis. (03X03=09)

Q4)

- (a) Mention about the pharmacology of Quinine and Primaquine when used for the management of malaria (04+04=08)
- (b) Explain the antifungal activity of Amphotericin B and Capsosungin. (05+03=08)
- (c) Discuss the methodology and justification for Coomb's Test prior to Primaquine therapy? (0

**B. PHARM 4<sup>th</sup> YEAR 2<sup>nd</sup> SEMESTER EXAMINATION, 2017**  
 (1<sup>st</sup>/2<sup>nd</sup> Semester/Repeat/Supplementary/ Spl. Supplementary/old/Annual/ Bi - Annual)

**SUBJECT : PHARMACOLOGY-IV**

**Full marks: 100**

**Time: Three hours**

Use separate answer -- script for each part

No of questions	GROUP - C	Marks
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5. Describe the pathophysiology of asthma disease. How Bronchoprovocation testing can be done? How the status asthmaticus disease can be treated? What are the contributing factors of emphysema?

5+5+4+6=20

6. Write short notes:-

5x4=20

- Treatment of Acute Asthma by Heliox - what are the benefits ?
- Relaxation of bronchial smooth muscle by  $\beta_2$ -adrenergic receptor agonists-Explain.
- Consolidation of lung- write about the treatments.
- Recombinant DNA-derived Humanized IgG1K monoclonal antibody effective for control of asthma - Explain.
- Exhaled nitric oxide (NO) is a biological marker in asthma- Explain.