

**Ref. No.: Ex/Pharm/T/423/2019**

**B. Pharm. 4<sup>th</sup> Year 2<sup>nd</sup> Semester Examination 2019**

**Time: 3 hours**

**Subject: Pharmacology-IV**

**Full Marks: 100**

(Answer any *five* questions)

**GROUP - A**

1. With proper example classify bioassay. What is magnification value and mention its significance. Write in details about the bioassay of insulin. 6+4+10=20
  
2. Define anaemia. Mention the different types anaemia. Write in details about Iron deficiency anaemia. 2+6+12=20
  
3. Write notes on- 2X10=20
  - a. Oral anticoagulant
  - b. Fibrinolytic system and drugs

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Name of Examination: B.PHARM 4<sup>th</sup> yr, 2<sup>st</sup> Sem. Exam. 2019

Subject: PHARMACOLOGY – IV;

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

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**GROUP - B**

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Q1)

- (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)

Q2)

- (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? (04)

- Q3) a) Explain the mechanism of action for Beta-Lactum group of antibiotics? .....(06)
- b) Explain in details the variation of mechanism of action between Macrolide and Aminoglycoside group of antibiotics. ....(06)
- c) Explain why nitro-imidazoles are combined with fluoroquinolones for enteric infections.....(05)
- d) Explain why alcohol despite having similarities with antibiotics so far definition of antibiotics are concerned, can't be connoted as an antibiotic? ..... (03)
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