



BBK-M-202107

Seat No. _____

Third Year D. Pharm. Examination

July - 2021

Pharmacology - II

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Figure to the right indicate marks.
(2) Draw neat and clean diagram as required.

- 1** Answer the following questions : **20**
- (1) What is Amplification ?
 - (2) Enlist oncogens.
 - (3) What is plasma expanders.
 - (4) Cotrimoxazole.
 - (5) Justify : Sulphonamide potency is decreased in case of co-administration with Local anesthetics.
 - (6) What is Gray baby syndrome ?
 - (7) Comment - Pyridoxine is used concomitantly with Isoniazid.
 - (8) Uses of biosensors.
 - (9) Super infection.
 - (10) Applications of gene mapping.
- 2** Answer the following questions : (write any **two**) **20**
- (1) Describe in detail Recombinant DNA technology.
 - (2) Classify diuretics. Give mechanism of action and therapeutic uses of Thiazides.
 - (3) Enlist various anti leprosy drugs and describe sulfones in details.
- 3** Answer the following questions : (write any **six**) **30**
- (1) What is gene expression ? Discuss any two elements- which controls gene expression.
 - (2) Write a note on macrolides.
 - (3) Outline the life cycle of Malarial parasite. Discuss the use of "Co-artemether".
 - (4) Describe the spectrum of activity, adverse effects and therapeutic uses of Fluoroquinolones.
 - (5) Describe in detail subacute toxicity.
 - (6) Describe in brief basic principles of transcription in pro and eukaryotes.
 - (7) Write a note on thrombolytics.
 - (8) Compare and contrast Penicillins and cephalosporins.