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QE CODE : 1029

Rajiv Gantellichoise versitywof Health Sciences Warnataka MBBS Phase - II (CBME) Degree Examination - <<>>

Time: Three Hours

Max. Marks: 100 Marks

PHARMACOLOGY - PAPER II (RS-4) Q.P. CODE: 1029 (QP contains two pages)

Your answers should be specific to the questions asked Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

- 1. A 50-year-old woman visited the general practitioner for annual health screening. Her Blood pressure was 152/90 mm of Hg. She is diagnosed to be suffering from hypertension and is prescribed Angiotensin converting enzyme Inhibitors (ACE Inhibitors). Explain the Mechanism of action, therapeutic uses, adverse effects, contraindications of ACE inhibitors
- Classify Anti-retroviral drugs with suitable examples. Explain the mechanism of action, uses and adverse effects of Zidovudine

SHORT ESSAYS

8 x 5 = 40 Marks

- Mechanism of action, Uses and Adverse effects of Organic Nitrates
- Mechanism of action, Uses and Adverse effects of Thiazide diuretics
- Mechanism of action, Uses and Adverse effects of Clomiphene Citrate -
- Therapeutic uses and adverse effects of Glucocorticoids
- Drug treatment of Thyrotoxic crisis
- 8. Antibiotics in cancer chemotherapy
- 9 A 16 year old presents with complaints of weight loss and polyuria. His HbA1C was 9gm%. His fasting blood sugar was 178mg/dl and postprandial blood glucose was 240mg/dl. He was diagnosed as Type 1 Diabetes mellitus.
 - a) Classify the insulin preparations to based on their duration of action.
 - b) What are the advantages of rapid acting insulins?
- 10. A 38 year old patient presents with cough, fever and sputum since 4 days. A diagnosis of community acquired pneumonia was made and prescribed Levofloxacin.
 - a) Explain the mechanism of action of Levofloxacin.
 - b) Enumerate the adverse effects of Levofloxacin.

SHORT ANSWERS

10 x 3 = 30 Marks

- Mention three advantages of Low molecular weight heparins
- 12. Mention three uses of Tranexamic acid?
- 13. Rationale of using Spironolactone in Heart failure
- 14. Rationale of combining Sulfadoxine with Pyrimethamine
- Mention three drugs effective against Methicillin Resistant Staphylococcus Aureus (MRSA) infections
- Write three general properties of Aminoglycosides
- 17. Write one drug regimen for multibacillary leprosy. Why drug combinations are used to treat leprosy?
- 18. Mention any three groups of drugs used in the treatment for Hardention fanga Flut
 - Name three antiseptics
 - Rationale of combining Ceftazidime with Tazobactum

D. Rifampicin

A. INH

B. Ethambutol
C. Streptomycin