

B. Pharm / Sem - I CBSGS KT /

27/04/16

Sub:- Ph.Cology - II

QP Code : 24957

(3 Hours)

[Total Marks : 70

- N.B. : (1) All questions are compulsory.
(2) Figures to the right indicate full marks.

1. a) Answer the following:-
i) Justify "Penicillins are used in combination with aminoglycosides."
ii) Justify "Patients on Sulphonamide therapy are advised to drink lots of water."
iii) What are the limitations of immunosuppressant therapy?
iv) What is the mechanism of action of thiazolidinediones?
v) Justify the use of 'combined pill' in oral contraception.
vi) Enlist the indications for therapeutic use of Warfarin.
b) Fill in the blanks:-
i) Metformin is the only drug of the _____ class that is used clinically.
ii) Vancomycin is a _____ antibiotic used in the treatment of C. difficile infection.
iii) _____ is the most predominant side effect of anticoagulants.
2. a) Answer any two of the following:-
i) Classify antifungal drugs. Give the pharmacology of ketoconazole.
ii) Classify antiviral drugs based on mechanism of action. Write a brief note on Zidovudine.
iii) Enlist the antimicrobial agents affecting protein biosynthesis. Write in brief about the pharmacology of azithromycin.
b) Answer any one of the following:-
i) Enumerate the Beta lactamase inhibitors and justify the use of clavulanic acid.
ii) Give the rationale for combining trimethoprim with sulphamethoxazole.
3. a) Answer any two of the following:-
i) Give a brief description of the process of bone remodelling.
ii) Give a brief account on sulfonylureas as antidiabetic agents.
iii) Classify antithyroid drugs. Give the role of radioiodine in hyperthyroidism.

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- b) Answer any one of the following:-
i) Write a note on levonorgestrel.
ii) Write a note on oxytocin.
4. a) Answer any two of the following:-
i) Write a note on use of vitamin k in treating clotting defects. Discuss the pharmacokinetic aspects of natural and synthetic vitamin K.
ii) Describe the pharmacology of aspirin as an antithrombotic agent.
iii) Write a detailed note on iron therapy in anaemia.
b) Answer any one of the following:-
i) Write a note on utilization of folic acid and explain its uses.
ii) What is the mechanism of action of heparin? State its clinical uses.
5. a) Answer any two of the following:-
i) Classify anticancer agents and write in brief the pharmacology of doxorubicin.
ii) Enlist the drugs used in leprosy and give a detailed account on dapsone.
iii) Enlist the luminal amoebicides and write in brief about Diloxanide furate.
- b) Answer any one of the following:-
i) Write a note on sulphonamide- pyrimethamine combination used in antimalarial therapy.
ii) Discuss in detail the drugs and regimens used in treatment of tuberculosis.
6. a) Answer any two of the following:-
i) Give the rationale of using immunomodulators in the treatment of HIV.
ii) Enlist the calcineurin inhibitors and write in detail about cyclosporin.
iii) Justify the combination of calcium and vitamin D in the treatment of osteoporosis.
b) Answer any one of the following:-
i) State the mechanism of action and adverse effects of mebendazole.
ii) State the mechanism of action and adverse effects of aminoglycosides.

XZ-Con. 131-16.

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