

Time: Three Hours

Max. Marks: 70 Marks

HUMAN ANATOMY & PHYSIOLOGY

Q.P. CODE: 2851

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

- ✓ 1. With the help of a neat labeled diagram describe the internal anatomy of heart. Add a note on heart sounds
- ✓ 2. Draw a neat labeled diagram of ear. Explain the physiology of hearing
3. With the help of neat labeled diagram, describe the structure of nephron. Discuss the mechanism of urine formation

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

- ✓ 4. (Describe the internal structure and functions of testis)
- (1) 5. Write a note on Haversian system
- ✓ 6. Write the anatomical and physiological differences between sympathetic, parasympathetic and somatic nervous system
- ✓ 7. Write the composition and functions of blood
- ✓ 8. Write the structure and functions of stomach
9. What is reflex arc? Explain
- ✓ 10. Discuss the physiology of thyroid hormones
- (1) 11. Explain the special features of medulla oblongata

SHORT ANSWERS

10 x 2 = 20 Marks

- ✓ 12. What is acromegaly?
- ✓ 13. What is vital capacity? Write the normal values
14. State the problems encountered at high altitudes
- ✓ 15. Define menopause
- ✓ 16. What is myopia? How is it corrected?
- ✓ 17. What is resuscitation?
- ✓ 18. Name the salivary glands. Give the composition of saliva
19. Name the drugs abused by athletes
- ✓ 20. What is parturition?
- ✓ 21. Define cardiac arrhythmias

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination - Aug / Sep 2011

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICS

Q.P. CODE: 2852

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

- ✓ 1. Define Percolation. Write the principle of percolation and explain process in detail with a neat labeled diagram
2. What is meant by a dosage form? Classify and explain dosage form according to route of administration
3. Define suspension. Discuss the preparation and evaluation of a suspension

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

- ✓ 4. Define pharmacopoeia. Discuss pharmacopoeia of India
5. How many ml of 50% w/v dextrose solution and how many ml of 5% w/v dextrose solution are required to prepare 5.5 litres of a 10% w/v solution
6. Write a note on absorbent cotton wool
- ✓ 7. Discuss therapeutic incompatibility
- ✓ 8. What is meant by displacement value of a medicament? Calculate the formula for 12 suppositories of boric acid each weighing 4 g and containing 300 mg of boric acid (Displacement value of boric acid = 1.6)
- ✓ 9. Write a note on emulsifying agents
- ✓ 10. Write a note on effervescent powders
- ✓ 11. Define Elixir. Classify Elixirs. Discuss how they are prepared

SHORT ANSWERS

10 x 2 = 20 Marks

- ✓ 12. Quote an example for explosive combination and give its remedy
- ✓ 13. Write the method used to prepare a dosage form containing diffusible precipitate
- ✓ 14. Write a note on collodions
- ✓ 15. Write a note on multiple maceration
- ✓ 16. Scope of profession of pharmacy in India
- ✓ 17. Advantages of Theobroma oil as a suppository base
18. How suspensions containing poorly wettable solids are prepared
- ✓ 19. Write differences between boilable and non-boilable sutures
- ✓ 20. Why does simple syrup IP not have any preservative?
- ✓ 21. How do you sterilize surgical cotton?
