

Max Marks: 100

Give Diagrammatic representation wherever necessary.

20 X 1 = 20

1. The opening of urinary bladder is known as _____.
a) Ureter b) Urethra
c) Nephron d) None
2. Loop of Henle is concerned with _____.
a) Digestion b) Excretion
c) Respiration d) Reproduction
3. The inner most layer of skin is _____.
a) Epidermis b) Dermis
c) Stratum lucidum d) Hypodermis
4. The enzyme that governs the life span of aging skin cell is called _____.
a) Telomerase b) Amylase
c) Lipase d) Protease
5. Muscles of dermis is _____.
a) Arrectores pilorum b) Tunica dartos
c) Both A and B d) None
6. Central nervous system includes _____.
a) Brain b) Spinal cord
c) Both A and B d) None
7. _____ is smallest gland in human body.
a) Parotid Gland b) Apocrine Gland
c) Pineal Gland d) Thyroid Gland
8. In 24 hours the total volume of glomerular filtrate is _____.
a) 150 ltrs b) 170 ltrs c) 120 ltrs d) 140 ltrs
9. _____ ltrs of water filtered by the glomeruli per day.
a) 120 ltrs b) 130 ltrs c) 170 ltrs d) 150ltrs
10. _____ is excreted through the urine in 24 hours.
a) Protein b) Glucose c) Sodium d) Creatine
11. Substance which is not excreted by skin is _____.
a) Urea b) Amine
c) Salts d) Fatty substance
12. Sebaceous glands are situated at side of _____.
a) Hair follicle b) Thick skin
c) Both a and b d) None of these
13. Nissels granules are found in _____.
a) Nerve cells b) WBC c) RBC d) Platelets

- 14.** Supporting cells of nerve system is _____.
a) Neuroglia b) Nerve cells
c) Schwan cells d) RBC
- 15.** Analgesia means _____.
a) Loss of all sensation b) Loss of tactile sensation
c) Loss pain sensation d) Loss thermal sensation
- 16.** Anterior pituitary gland develop from _____.
a) Endodermal b) Ectodermal
c) Neuro ectodermal d) Mesodermal
- 17.** Hormone secreted by Posterior pituitary is _____.
a) GH b) TSH c) FSH d) Oxytocin
- 18.** Calcitonin is secreted by _____.
a) Para follicular cell b) Peptic cell
c) Cystic cell d) Rhonboid cell
- 19.** _____ are the classical hormones.
a) Endocrine messengers b) Paracrine messengers
c) Autocrine messengers d) Neurocrine messengers
- 20.** Thymus secretes _____ hormones.
a) Thymosine and Thymine b) Renin and oestrogen
c) Progesterone and thymine d) None of these

Write a short essay on the following:

8 X 5 = 40

21. Explain renal circulation?
21- دورہ کلوئی تفصیل سے تحریر کیجئے۔
22. Explain composition and functions of sweat gland?
22- غدد عروقیہ کی ترکیب اور اس کے افعال تفصیل سے لکھیئے۔
23. Explain Menstrual Cycle?
23- دورہ حیض تفصیل سے لکھیئے۔
24. Explain 12 pairs of cranial nerves?
24- بارہ اعصاب پر تفصیل سے لکھیئے۔
25. Describe structure of medulla oblongata with figure?
25- سر حرام مغز کی ساخت مع شکل تحریر کیجئے۔
26. Explain characteristics of urine?
26- قارورہ کی خصوصیات تفصیل سے تحریر کیجئے۔
27. Define, classify and explain anoxia?
27- قلتِ حمضین کی تعریف اور تقسیم تفصیل سے تحریر کیجئے۔
28. Explain structure and functions of large intestine?
28- امعاء کبیرہ کی ساخت اور اس کے افعال تفصیل سے لکھیئے۔

Write an essay on the following:

4 X 10 = 40

29. Explain digestion of carbohydrates?
29. نشاستہ کا ہاضمہ پر تفصیل سے لکھیے۔
30. Describe gaseous exchange in lungs and tissues?
30. ریہ اور نسیج میں گیسوں کے تبادلے کے عمل کو تفصیل سے تحریر کیجئے۔
31. Explain Structure of Testes with secretion?
31. خصیہ کی ساخت اور افراز تفصیل سے تحریر کیجئے۔
32. Explain Thyroid gland with secretions?
32. غدہ درقیہ اور اسکے افراز تفصیل سے تحریر کیجئے۔
