

11. The most primitive types of true kidneys are:
 - a. Mesonephros
 - b. Pronephros
 - c. Archinephros
 - d. Metanephros
12. Mesonephros develops from:
 - a. Top part of the nephrostome
 - b. Middle part of the nephrostome
 - c. Lower part of the nephrostome
 - d. None
13. The kidneys found only in amniotes are:
 - a. Mesonephros
 - b. Archinephros
 - c. Pronephros
 - d. Metanephros
14. Receptors for hearing are called as:
 - a. Photo receptor
 - b. Auditory receptor
 - c. Olfactory receptors
 - d. None
15. The vaginal canal is bifurcated in:
 - a. Monotreme type of uterus
 - b. Simplex uterus
 - c. Duplex uterus
 - d. Marsupial type of uterus
16. In bicornuate type of uterus:
 - a. 2 uterus present
 - b. 2 horns and 2 uterus
 - c. One uterus
 - d. 2 horns and 1 uterus
17. The uterus found in rodents are:
 - a. Duplex
 - b. Bicornuate
 - c. Simplex
 - d. Bipartite
18. The Y shaped uterus is:
 - a. Duplex
 - b. Simplex
 - c. Bicornuate
 - d. Bipartite
19. The uterus in human are:
 - a. Duplex
 - b. Simplex
 - c. Bicornuate
 - d. Bipartite
20. Two cervixes are found in:
 - a. Monotreme uters
 - b. Marsupial uterus
 - c. Duplex uterus
 - d. All of the above

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(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. Describe briefly the circulatory system of vertebrate with proper labeled diagram. | 6+4=10 |
| 2. Describe the structure of Avian and Mammalian heart. What are the differences between reptile and avian heart? Describe with proper diagram. | 5+5=10 |
| 3. Explain the structural significance of lungs in Amphibia and mammalia. | 5+5=10 |
| 4. Define portal system and their types. Give difference between Single circulation and double circulation with example and diagram. | 2+8=10 |
| 5. Describe the basic structure of uterus. Define eutherian type of uterus with proper diagram. | 2+8=10 |
| 6. What are the different types of kidneys? Describe their general plan with diagram. Describe about primitive ancestral vertebrate kidney with diagram. | 5+5=10 |
| 7. What are receptors? Classify them and write briefly about visceral receptors with diagram. | 2+2+6=10 |
| 8. What is autonomic nervous system? Describe briefly. Write briefly about spinal cord of mammal. | 5+5=10 |

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