

EXCRETION

JIPMER

1. Identify the component of ornithine cycle (2010, 2009, and 2004)
a) Ornithine, citrulline and alanine b) **Ornithine, citrulline and arginine****
c) Amino acids are not used d) Ornithine, citrulline and fumaric acid
2. Which of the following are removed from the blood during ornithine cycle? (2007)
a) Urea & urine b) ammonia & urea c) **CO₂ & ammonia*** d) CO₂ & urea
3. Which of the following are visible in the urine of a person who is undergoing prolonged fasting? (2007)
a) fats b) amino acids c) glucose d) **ketones****
4. Bowman's capsule is present in (2006)
a) glomerulus b) uriniferous tubule c) nephron d) **Malpighian capsule***
5. ADH controls water permeability at (2004)
a) collecting tubule b) PCT c) **DCT**** d) all the above
6. Ammonia is converted into urea in living organisms through (2003)
a) **ornithine cycle**** b) citrulline cycle c) fumaric cycle d) arginine cycle
7. The waste products which are removed from the blood in liver during ornithine cycle are (2003)
a) CO₂ and urea b) ammonia & urea c) CO₂ and ammonia* d) ammonia & uric acid
8. The organ which produces urea as excretory product is (2002)
a) Liver b) **kidney **** c) urinary bladder d) pancreas

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9. Enzyme released from kidney is (2008)
a) **renin**** b) uricase c) pepsin d) none of these
10. Excretory product of birds and insects is (2007)
a) **uric acid**** b) urea c) ammonia d) TMO
11. The pigment which gives yellow color to urine (2007)
a) urochromogen b) **urochrome**** c) carotene d) none of these
12. Which of the following is involved in reabsorption of water in kidney? (2006)
a) **ADH**** b) PRL c) LH d) GnRH
13. Glucose is mainly absorbed in (2005)
a) **PCT**** b) DCT c) Henle's loop d) nephron
14. Basic structural unit of kidney is (2001)
a) **nephron**** b) cortex c) adrenal d) medulla

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15. Uric acid is the main excretory product in (2009)
a) Earthworm **b) cockroach**** c) frog d) man
16. What will happen if the stretch receptors of the urinary bladder wall are totally removed (2009)
a) Micturition will continue **b) urine will continue to collect normally in bladder****
c) No micturition d) urine will not collect in the kidney
17. Angiotensinogen is a protein produced and secreted by (2006)
a) JG cells b) macula densa cells c) endothelial cells **d) liver cells****
18. Which of the following are visible in the urine of a person who is undergoing prolonged fasting? (2005)
a) Fats b) amino acids c) glucose **d) ketones****
19. If Henle's loop was absent from the nephron of mammals, which one of the following is to be expected? (2003)
a) No urine formation b) no change in the quantity and quality of urine
c) Urine will be more concentrated **d) urine will be more dilute****
20. Concentration of urine depends on (2000)
a) Bowman's capsule **b) length of loop of Henle****
c) PCT d) net work of capillaries