

**Avinashilingam Institute for Home Science and Higher Education for Women
[Deemed to be University] Coimbatore-641 043**

Bachelor's Degree Examination – November 2018

III Semester

**Class : II UG
Major: Food Service Management &
Dietetics**

**Time: 3 hours
Max. Marks: 100**

15BFDC09 Physiology

**Part-A
Choose the correct answer**

10 x 1=10

1. Normal clotting time for blood is _____mts.
a) 2-4 b) 3-5 c) 3-6 d) 5-7
2. Bleeder's disease is otherwise known as _____
a) Haemorrhage b) Hemophilia c) Anaemia d) Hemostasis
3. The Pulse rate of normal individual is _____
a)70-72 b) 72-74 c) 70-76 d) 75-77
4. The hepatic portal vein is a _____ vein
a)bundled b) single c) mass d) small
5. The hyoid bone is present in _____
a)Nose b) Tongue c) Throat d) Ear
6. _____ is the body's major digestive organ.
a) Large intestine b) Small intestine c) Stomach d) Oesophagus.
7. Destruction of alveolar wall is known as
a)Emphysema b)Bronchitis c)Dyspnea d)Cyanosis
8. The normal respiratory rate is _____
a) 10-12 b) 12-15 c) 15-17 d) 18-20
9. _____hormone structurally similar to growth hormone
a) TSH b) PRL c) FSH d) ICSH
10. _____ is believed to be a sleep trigger
a) Insulin b) Glucagon c) Glycogen d)Melatonin

Part B
Answer the following
Answer should not exceed 400 words or two pages

5 X 6=30

11. a) Write short note on Blood transfusion.
(or)
11. b) Elaborate homeostasis.
12. a) Draw the structure of heart and mark the parts.
(or)
12. b) What is meant by cardiac cycle. /
13. a) State the functions of liver
(or)
13. b) List out the enzymes involved in digestion process.
14. a) Write on structure of kidney.
(or)
14. b) Explain physiological anatomy of respiratory tract.
15. a) Describe the structure and functions of pituitary gland.
(or)
15. b) Give an account on physiology of menstruation.

Part C
Answer the following
Answer should not exceed 800 words or four pages

5 x 12=60

16. a) Write an essay on components of blood.
(or)
16. b) Describe the following
(i) Platelets
(ii) Coagulation.
17. a) Explain the properties of cardiac muscle and cardiac output in detail.
(or)
17. b) Enumerate blood pressure and structure of blood vessel.
18. a) Describe the protein digestion.
(or)
18. b) Draw a diagram on digestive system and explain the parts.
19. a) Explain the mechanics of respiration and regulation of respiration.
(or)
19. b) Explain excretory system in terms of urine formation, composition of urine and micturition.
20. a) Give the anatomy of male reproductive system.
(or)
20. b) Explain the pregnancy and the associated changes during gestation.