

VPM's B. N. Bandodkar College of Science Thane  
Human Sciences F.Y.B.Sc; Course- USHSC203  
Semester II - 2018-19

Total Marks: 75

Duration: 2.5 hrs

N.B:1. All questions are compulsory.

2. Figures to the right indicate marks.

3. Draw neat and labeled diagrams wherever necessary.

- Q.1) (A) Describe Homologous organs in detail with neat labeled diagrams. (7)  
OR  
(A) Explain Terrestrial adaptations with suitable examples. (7)  
(B) Define Ethology. Give an account of Reproductive strategies & Agonistic behavior in primates with examples. (8)  
OR  
(B) Write a note on Vestigial organs (8)  
(C) Attempt any ONE of the following: (5)  
(i) Enlist Aquatic adaptations.  
(ii) Define Behavior. Add a note on Grooming in Primates.
- Q.2) (A) Explain attachment theory for children as given by Mary Ainsworth and John Bowlby. (7)  
OR  
(A) Explain social learning theory given by Bandura. (7)  
(B) Explain defense mechanisms. (8)  
OR  
(B) Explain Kohlberg's theory on moral development. (8)  
(C) Attempt any ONE of the following: (5)  
(i) Explain Maslow's hierarchy of needs.  
(ii) Explain the 5 systems given by Bronfenbrenner in the ecological theory of development.
- Q.3) (A) What is HCI? Discuss the HCI design guidelines (7)  
OR  
(A) Explain the disciplines contributing to HCI. (7)  
(B) What is Cyber Crime? Explain the types of cyber crime (8)  
OR  
(B) Discuss the ergonomic aspects of HCI. (8)  
(C) Attempt any ONE of the following: (5)  
(i) Write note on Privacy.  
(ii) What is Digital age? Explain in brief.
- Q.4) Attempt Any THREE of the following: (15)  
(i) Write a note on Analogous organs.  
(ii) Enlist Aerial adaptations.  
(iii) Explain Carol Gilligan's perspective on women's moral development.  
(iv) Explain cognitive development as explained by Jean Piaget.  
(v) Write note on Surveillance  
(vi) Write note on Neural prosthetics