ASSIGNMENT

1. Wrong statement about the members of a species
1. Sharing common gene pool and same ecological niche 2. Showing similarity in the karyotype
3. Interbreeding freely and producing for the offspring 4. Having dissimilar structure and functional characteristics

2. Author of "Systema Naturae' is
1. Linnaeus 2. Mayr 3. John Ray 4. Dobzhansky

3. The dynamic nature of species became popularized after the publication of
1. Linnaeus Systema Naturae 2. Darwin's Origin of species
3. Lyell's Principles of Geology 4. Mathus On the principles of population

4. Members of a species show
1. preferential mating 2. Random mating
3. Non-assrtative mating 4. out crossing

5. "Species" means
1. Appearance 2. Arrangement 3.Kind 4. Both 1 and 3

6. **Protostomes without body cavity are**
1. Annelids 2. Nematodes
3. Echinoderms 4. Platyhelminths

7. Five-kingdom classification of all living organisms was proposed by
1.Whittaker 2. Lamarck 3. Bateson 4. Herbert spencer

8. A: Species is dynamic
R: No new species are formed in course of time
1) Both A & R are true and R explains A 2) Both A & R are true & R does not explains A
3) A is true, R is false 4) A is false, R is tru

9. Statement (S): Species are group of potentially inter-breeding natural populations that are isolated from other such groups
Reason (R): Reproductive isolation brings about distinctive morphological characters
1)Both (S) and (R) are true & (R) is correct explanation to (S) 2) Only (S) is true, (R) is not true
3) Both (S) and (R) are not true 4) Both (S)&(R) are true & R does not explains (S)

10. (A) : Lateral hearts in 12^{th} and 13^{th} segments of Pheretima are called latero oesophageal hearts
(R) : They connect dorsal blood vessel and latero oesophageal blood vessel to ventral blood vessel
1) Both A & R are true and R explains A 2) Both A & R are true & R does not explains A
3) A is true, R is false 4) A is false, R is true

11. (A) : Blood in dorsointestinal blood vessels contains more nutrients in Pheretima
(R) : In the intestinal region of Pheretima each segment contains two pairs of dorsontestinal blood vessels
1) Both A & R are true and R explains A 2) Both A & R are true & R does not explains A
3) A is true, R is false 4) A is false, R is true

12. Arrange the following parts in ascending order based on total number
A. Anterior loops B. Commissurals C. Ventro-intestinals D. Dorso-intestinals E. Ring vessels
1. A-E-C-B-D 2. A-E-C-D-B 3. A-E-B-C-D 4. E-A-B-D-C

13. Shortest longitudinal blood vessel in Pheretima is
1. Supra oesophageal blood vessel 2. Latero oesophageal blood vessel
3. Ventral blood vessel 4. Dorsal blood vessel

14. In Pheretima, supra oesophageal blood vessel lies on the dorsal side of the
1. Oesophagus 2. Stomach 3. Intestine 4. Pharynx

15. Paired longitudinal blood vessels in Pheretima are
1. Supra oesophageal blood vessels 2. Latero oesophageal blood vessels 3. Ventral blood vessels 4. Dorsal blood vessels

16. In Pheretima, lateral hearts connect
1.Ventral blood vessel to dorsal blood vessel 2. Ventral blood vessel to supra oesophageal blood vessel
3. Dorsal blood vessel to ventral blood vessel 4. Latro oesophageal blood vessel to supra oesophageal blood vessel

17. In Pheretima, blood flow is from posterior to anterior end in
1. Dorsal blood vessel 2. Ventral blood vessel 3. Sub neural blood vessel 4. Supra oesophageal blood vessel

18. In Pheretima, number of dorso intestinal blood vessels in each segment is
1. 1 pair 2. One 3. 2 pairs 4. 3 pairs

19. Blood vessels act as collecting as well as distributing vessels in Pheretima are
1. Latero oesophageal blood vessels 2. Commissural blood vessels
3. Supra oesophageal blood vessels 4. Sub neural blood vesels

20. Number of valves in each lateral oesophageal heart of Pheretima is
1. 3 pairs 2. 4 pairs 3. 8 pairs 4. 2 pairs