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CSIR Paper 2 Life Science Questions (Part 8 of 10)

1. During germination of seeds, after imbibitions of water first step would be
 - a. Mobilization of reserve food
 - b. Transcription of specific genes
 - c. Cell division
 - d. Embryo differentiation
2. In tissue culture experiment to initiated to shoots from undifferentiated mass of cell the medium must contain
 - a. low auxina dn high cytokinin
 - b. High auxin adn high cytokinin
 - c. High auxin and low cytokinin
 - d. Low auxin and low cytokinin
3. In aroid plant the temperature of inflorescence rise around 8 – 10oC as compare to plant during maturation. It is due to activity of
 - a. Dehydrogenase
 - b. Cytochrome oxidase
 - c. Alternate oxidase
 - d. Peroxidase
4. Which of the metabolite in nitrate assimilation is not located in the chloroplast?
 - a. Glutamine
 - b. Nitrite

- c. Uric acid
 - d. Xanthin
5. If bird is kept in a closed cage that all external clues are blocked then what would be effect on its biological clock
 - a. No effect
 - b. It will lag behind to small level
 - c. It will be random
 - d. It will stop functioning
6. Serum contains
 - a. Non-fibrinogen proteins, minerals and glucose
 - b. Cells corpuscles, mineral and glucose
 - c. Cell corpuscles, minerals and non-fibrinogen proteins
 - d. Minerals and glucose
7. Main function of sweating is
 - a. Thermoregulation of body
 - b. Excrete salt
 - c. Maintenance of blood volume
 - d. Osmoregulation of body
8. Glucose is never seen in urine because it is mainly absorbed by
 - a. Proximal tubule
 - b. Collecting duct
 - c. Ascending loop of Henle
 - d. Glucose never enter into Bowman's capsule
9. Among the following which would be most suitable marker for selection of animals with agronomic traits
 - a. RFLP
 - b. RAPD
 - c. EST
 - d. Minisattelite
10. Suppose a chromosomal aberration in a chromosome A B C D E F G leads to A B C D E F G C D F E G. The probable reason is
 - a. Duplication and followed by EF inversion
 - b. Duplication followed by pericentric inversion
 - c. Only duplication
 - d. Only Inversion