

# Prabhat Academy Ashtbhuja Nagar, Pratapgarh

Half-Yearly Examination (2019-20)

Class : 11<sup>th</sup>

Sub. : Biology



Time: 2.30

M.M. : 100

## Q.1- Multiple choice questions:

[1x10=10]

- (1) Pasteur is famous for his studies on:  
(i) Synthesis of protein (ii) Invention of microscope  
(iii) Germ theory of diseases (iv) Fermentation of wine
- (2) Nitrogen fixation of the soil is assisted by:  
(i) Thiobacillus (ii) Nitrosomonas (iii) Nitrobacter (iv) Azotobacter
- (3) Which is absent in bacteria:  
(i) RNA (ii) Cell wall (iii) Mesosome (iv) Mitochondria
- (4) The life cycle in Pinus is  
(i) Diplontic (ii) Haplo - diplontic (iii) Haplontic (iv) Diplobiontic
- (5) Sexual Reproduction of algae produces:  
(i) Oospore (ii) Zygote (iii) Zygosporangium (iv) Meiospore
- (6) Flying frog is:  
(i) Hyla (ii) Ambystoma (iii) Rhacophorus (iv) Astylosternus
- (7) Which one the following sets of animals share a four chambered heart:  
(i) lizards, Mammals, Birds (ii) Amphibian, Reptiles, Birds (iii) Crocodiles, lizards, Turtles  
(iv) Crocodiles, Birds, Mammals
- (8) Embryo is not present in:  
(i) Gymnosperms (ii) Pteridophytes (iii) Bryophytes (iv) Algae
- (9) Streptococcus is used in preparation of:  
(i) Wine (ii) Idli (iii) Cheese (iv) Bread
- (10) Entamoeba histolytica infection occurs through:  
(i) Sweet (ii) Bird dropping (iii) Mosquito bites (iv) Contaminated water and food

## Q.2- Very short type questions:

[ 2x10=20 ]

- (1) Who is the father of modern bacteriology?
- (2) Which organelle controls the cytoplasmic osmolarity in Amoeba?
- (3) Which is the mode of reproduction in Amoeba?
- (4) Who discovered Tobacco Mosaic Virus ( TMV )?
- (5) Who proposed five Kingdom classification?

- (6) Name an aquatic bryophyte?
- (7) Name an animal without anus?
- (8) Name the causative agent of Filariasis?
- (9) Name the respiratory organs in scorpion?
- (10) Name an annelid having parapodia?

**Q.3- Short answer type questions:**

[ 3x10=30 ]

- (1) Give to major difference between bacteria and cyanobacteria?
- (2) /List the possible habitats of members of the different classes of protozoa?
- (3) Why are bryophytes called the amphibians of the plant Kingdom?
- (4) List different nutritional categories found in bacteria?
- (5) What is a viroid?
- (6) Discuss the economic importance of fungi?
- (7) Differentiate between monocost and dicots?
- (8) Differentiate between Homoeothermal and poikilothermal?
- (9) Differentiate between Oviparous and viviparous animals?
- (10) Differentiate between prokaryotes and Eokaryotes?

**Q.4- Long answer type questions:**

[8x5=40 ]

- 1- Discuss the economic importance of bacteria?
- 2- What are the general characteristics of Protozoa?
- 3- Describes the important characteristics of Gymosperms?
- 4- Distinguish between : Liverworts and Mosses
- 5- Describe the five Kingdom classification of R.H. whittaker?