

(69 & A-30)
Eng

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& A-30
Eng

SEAT No. _____

SARDAR PATEL UNIVERSITY
B.Sc. (II- SEM.) (CBCS) EXAMINATION
Friday, 6th April, 2018.
02:00 P.M. TO 04:00 P.M.
US02EBIO01: BIOLOGY

No. of printed pages :2

Total marks:- 70

Note:- Draw neat and labeled diagram wherever necessary.

Q-1 Multiple choice questions (Compulsory)

(10)

- (1) According to Ethologists, behavior is programmed by-----.
(a) Natural selection (b) Nervous system (c) Instincts (d) None of these
- (2) A bird singing in breeding season is a -----.
(a) Proximate cause (b) Ultimate cause (c) Behavior (d) Reflex
- (3) Study of ----- is called Ethology.
(a) Plants (b) Animal behavior (c) Environment (d) None of these
- (4) _____ prevents backward flow of blood from ventricle to auricle.
(a) Pulmonary valve (b) Aortic valve (c) Bicuspid & Tricuspid valve (d) All
- (5) _____ are Heterotrophs..
(a) Herbivores (b) Carnivores (c) Omnivores (d) All of these
- (6) Human heart beats about _____ times/minute.
(a) 90 (b) 60 (c) 72 (d) 82
- (7) Which of the following contain chlorophyll?
(a) Fungi (b) Bacteria (c) Virus (d) Algae
- (8) Which of the following is the example of Fungi?
(a) Mushroom (b) Mucor (c) Both a& b (d) None of these
- (9) The animal which kills the other animal for food is _____.
(a) Parasite (b) Prey (c) Predator (d) All of these
- (10) Which plant grow in water?
(a) Cycas (b) Acacia (c) (d) Cactus (d) Hydrilla

(1)

[PTO]

Q-2 Answer the following (Any Ten)

(20)

- (1) Define Biostatistics
- (2) Name the different types of Learnt behavior.
- (3) What is habituation?
- (4) Define the word digestion.
- (5) Define Heterotrophic nutrition.
- (6) How many chambers are there in human heart? Give their name.
- (7) Sketch and label the thallus of Riccia.
- (8) Name any four viral diseases.
- (9) What are living fossils? Give two examples.
- (10) Name the types of parasites.
- (11) Write the morphological characters of roots of hydrophytes in brief.
- (12) What is Mutualism?

Q-3 Write short notes on:

(a) Insight Learning

(b) Latent Learning

(5+5)

OR

Q-3 What is Taxis behavior? Describe the types of Taxis behavior in detail.

(10)

Q-4 (a) Sketch and label human heart

(05)

(b) Describe the types of Autotrophic nutrition.

(05)

OR

Q-4 Write notes on:

(a) Types of WBCs

(b) Intracellular digestion

(6+4)

Q-5 Write notes on:

(a) Classification of Bacteria based on shape.

(b) Mycellium of Mucor.

(5+5)

OR

Q-5 Do as directed:

(a) Describe general characters of Algae.

(05)

(b) Describe Basidiocarp of Mushroom.

(05)

Q-6 Define the word commensalism. Discuss the various types with suitable examples.

(10)

OR

Q-6 Write short notes on

(a) Morphological adaptation in Xerophytes (b) Antibiosis

(6+4)

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