

EXERCISE – I (Conceptual Questions)**Build Up Your Understanding**

1. The continuity of life is maintained by the process of
(1) Respiration (2) Reproduction (3) Photosynthesis (4) Adaptation
2. The offspring produced through which of the following process are not exactly similar to their parents?
(1) Asexual reproduction (2) Sexual reproduction
(3) Parthenogenesis (4) Ameiotic thelytoky
3. Reproduction is essential for
(1) Producing young ones (2) Adaptations
(3) Variations (4) continuity of a species
4. Estrus cycle is found in
(1) Gibbon (2) Gorilla (3) Cow (4) Monkey
5. Meiocytes are
(1) Spermatids (2) Gamete mother cells
(3) Bone marrow cells (4) Oocytes
6. Which of the following animal is bisexual?
(1) Cockroach (2) Leech (3) Monkey (4) Honey bee
7. External fertilisation occurs in
(1) Mammals (2) Birds (3) Reptiles (4) Bony fishes
8. Which of the following organism has longest life span?
(1) Elephant (2) Horse (3) Crocodile (4) Parrot
9. Which of the following animals are seasonal breeder?
(1) Monkey (2) Human (3) Bird (4) Apes
10. The process refers to development of embryo is known as
(1) Gametogenesis (2) Embryogenesis (3) Parthenogenesis (4) Oogenesis
11. Which one has the more chromosome number in meiocyte as compared to other?
(1) Cat (2) Dog (3) Rat (4) Fruitfly
12. Which of the following event is post fertilisation event?
(1) Gametogenesis (2) Gamete transfer (3) Fertilisation (4) Embryogenesis
13. Match the column-A with column-B

Column-A	Column-B
(i) Budding	(a) Cockroach
(ii) Binary fission	(b) Hydra
(iii) Gemmule	(c) Amoeba
(iv) Gamete formation	(d) Sponge
(1) (i)-b, (ii)-c, (iii)-a, (iv)-d	(2) (i)-b, (ii)-c, (iii)-d, (iv)-a
(3) (i)-d, (ii)-a, (iii)-c, (iv)-b	(4) (i)-d, (ii)-b, (iii)-c, (iv)-a

14. Which of the following statement incorrect?
 (1) Asexual reproduction is a rapid mode of reproduction.
 (2) Embryogenesis involves cell division and cell differentiation.
 (3) The life spans of organisms correlated with their sizes.
 (4) Animals are either unisexual or bisexual.
15. Arrange these animals in the increasing order of their life span:
 Crow, Horse, Parrot, Elephant
 (1) Horse, Parrot, Crow, Elephant (2) Crow, Parrot, Horse, Elephant
 (3) Crow, Parrot, Elephant, Horse (4) Crow, Horse, Elephant, Parrot
16. Read the following four statement (A-D):
 (A) In asexual reproduction, offspring produced with or without involvement of gametes
 (B) In asexual reproduction, clones are formed
 (C) Asexual reproduction is very common in single celled organisms
 (D) Budding in Hydra is a mode of sexual reproduction
 How many of the above statements are correct?
 (1) Four (2) Three (3) Two (4) One

ANSWER KEY															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	2	4	3	2	2	4	4	3	2	2	4	2	3	4	2