B. Sc. (Sem. III) Examination
March / April - 2016
Zoology : Paper - III
(Non Chordates Taxonomy, Type Study, Evolution, Economic Zoology)
Time : 2 Hours] [Total Marks : 50

सूचना / Instructions :

(1)

(2) प्रश्नमा कुल 50 प्रश्न हुँ, अर्थात् एक प्रश्न (1) अंक गुणा हुँ। There are 50 questions. Each question carries one (1) mark and all are compulsory.

(3) रेखा प्रश्नालाई कृपया अनुसार उत्तर दिन सादो विकल्प पस्लक गरेको।

Read the question carefully before selecting the correct option.

O.M.R. Sheet भएको अनेकौ अनुभूति सुन्दर्भो आफ्नो O.M.R. Sheet-ली पात्र गरेको छ।

Important instructions to fill up O.M.R. Sheet is given on back side of the provided O.M.R. Sheet.
1. Royal jelly is secreted by
   (A) Worker
   (B) Queen
   (C) Drone
   (D) Young worker

2. What is scientific name of European bee?
   (A) Apis dorsata
   (B) Apis mellifica
   (C) Apis florea
   (D) Apis adamsoni

3. Antheraea assama caterpillar feeds on
   (A) Oak
   (B) Sal
   (C) Castor leaves
   (D) Champa
4. In Hirudinaria there is no special organ for
(A) Reproduction
(B) Digestion
(C) Respiration
(D) Excretion

5. Enteronephric nephridia are
(A) Septal
(B) Pharyngeal
(C) Integumentary
(D) Pharyngeal and Septal

6. In sponge, gemmules are produced as a result
(A) Regeneration
(B) Sexual reproduction
(C) External budding
(D) Internal budding
7 The middle layer of the body wall of porifera is a
(A) Mesoglea
(B) Mesoderm
(C) Mesenchyme
(D) Mesentery

8 Protozoans respire through
(A) Pseudopodia
(B) General body surface
(C) Contractile vacuole
(D) None of these

9 In which class of Coelenterata, only polyps are seen?
(A) Parazoa
(B) Hydrozoa
(C) Anthozoa
(D) Scyphozoa

10 Antheraea royelii caterpillar feeds on
(A) Oak
(B) Mulberry leaves
(C) Castor leaves
(D) Som
11. Bombyx mori caterpillar feeds on
(A) Sal
(B) Arjun
(C) Mulberry leaves
(D) Oak

12. Munga silk is secreted by
(A) Antheraea assama
(B) Antheraea royeli
(C) Attacus recini
(D) Bombyx mori

13. Polymorphism occurs in
(A) Porifera
(B) Echinodermata
(C) Coelenterata
(D) Annelida

14. Alternation of sexual and asexual generation is known as
(A) Moultine
(B) Metamorphosis
(C) Metagenesis
(D) Polymorphism
15  Which among the following classes is sessile?
(A) Echinodermata
(B) Cnidaria
(C) Radula
(D) Nematoda

Classification of potozoans is based on
(A) Skeleton
(B) Locomotory organs
(C) Size
(D) Habitat

16  All of the following are true about corals, EXCEPT?
(A) Asexual reproduction
(B) Sexual reproduction
(C) Annelid
(D) Nematode

Corals are
(A) Sedentary coelenterata
(B) Sedentary sponges
(C) Sedentary ascidians
(D) Sedentary annelids

17  Which among the following classes has fewest number of hooks?
(A) Cestoda
(B) Tubularia
(C) Turbellaria
(D) Trematoda

Hooks are presents
(A) Cestoda
(B) Tubularia
(C) Turbellaria
(D) Trematoda
18 Hirudinaria granulosa ma shu khor e?
(A) Poor gland
(B) Suck gland
(C) Clitellum
(D) All of these
Hirudinaria granulosa contains
(A) Sucker gland
(B) Slime gland
(C) Cliteller gland
(D) All of these

19 Jagni kasaama shu khor e?
(A) Heparin
(B) Hirudin
(C) Haemoglobin
(D) Histamine
Saliva of leech contain
(A) Heparin
(B) Hirudin
(C) Haemoglobin
(D) Histamine

20 Hirudinaria granulosa............
(A) Bori shush e.
(B) Malsahari e.
(C) Surbapsi e.
(D) Shusharvi e.
Hirudinaria granulosa is
(A) Sanguivorous
(B) Carnivorous
(C) Omnivorous
(D) Herbivorous
21. Supernumerary digits in man is an example of which variation?
(A) Somatic
(B) Germinal
(C) Continuous
(D) Determinate

22. Mulberry silk is secreted by
(A) Attacus recini
(B) Antheraea royeli
(C) Bombyx mori
(D) Antheraea assama

23. How many somites are present in the body of leech?
(A) 40
(B) 33
(C) 50
(D) 20

24. Sponges are characterized by
(A) Osculum
(B) Choanocytes
(C) Canal system
(D) All of these
25. The simplest type of canal system in Porifera is
(A) Ascon type
(B) Radial type
(C) Sycon type
(D) Leucon type

26. Spongin fibres are present in class
(A) Demospongia
(B) Hexactenillida
(C) Calcarea
(D) Hexactenillida and Demospongia

27. Sea anemone belongs to class
(A) Ctenophora
(B) Scyphozoa
(C) Anthozoa
(D) Hydrozoa
28. Nematocysts are found in
   (A) Cnidaria
   (B) Echinodermata
   (C) Annelida
   (D) Porifera

29. Anterior sucker of Hirudinaria is formed by the union of
   (A) 3 segments
   (B) 1 segment
   (C) 7 segments
   (D) Prostomium and 3 segments

30. The body cavity of Hirudinaria is filled with
   (A) Connective tissue
   (B) Botryoidal tissue
   (C) Haemocoelomic fluid
   (D) None
31. Eri silk is secreted by
(A) Attacus recini
(B) Antheraea royeli
(C) Bombyx mori
(D) Antheraea assama

32. Before cocoon formation, mature silkworms are transferred to
(A) Nets
(B) Machan
(C) Feeding trays
(D) Chandraki

33. What is scientific name of rock bee?
(A) Apis indica
(B) Apis frerea
(C) Apis dorsata
(D) Apis mellifica
34. The animals having numerous parapodia are
(A) Oligochaeta
(B) Archiannelida
(C) Hirudinea
(D) Polychaeta

35. In platyhelminthes, the excretory organs are
(A) Flame cells
(B) Malpighian tubules
(C) Hepatopancrease
(D) Nephridia

36. Which of the following is free living?
(A) Cestoda
(B) Tubularia
(C) Turbellaria
(D) Trematoda
37. Which season mostly honey bees undergo swarming?
(A) Spring
(B) Autumn
(C) Rainy
(D) Winter

38. Which type of silk is supposed to be superior in quality?
(A) Tasar
(B) Eri
(C) Mulberry
(D) Munga

39. Tasar silk is secreted by
(A) Antheraea royeli
(B) Bombyx mori
(C) Attacus recini
(D) Antheraea assama

40. A temporary clitellum is formed in Hirudinaria's segments
(A) 11 to 13th segments
(B) 9 to 11th segments
(C) 7 to 9th segments
(D) None
41. The alimentary canal is complete in which of the following?
   (A) Fish
   (B) Mammals
   (C) Reptiles
   (D) Birds

   Digestive system is altogether absent in
   (A) Ascaris
   (B) Turbellaria
   (C) Cestoda
   (D) Trematoda

42. In which animal, plantigrade foot posture has been changed to unguligrade foot posture?
   (A) Tiger
   (B) Rat
   (C) Sheep
   (D) Dog

43. Which bird shows cursorial adaptations?
   (A) Duck
   (B) Peacock
   (C) Emu
   (D) Archaeopteryx
44 Which animals are occasional cave dwellers?
(A) Proteus
(B) Owls
(C) Mouse
(D) Amblyopsis

45 Which characteristic is found in deep sea animals?
(A) Gliding movement
(B) Absence of eyes
(C) Bioluminescence
(D) Retrogression of endocrine system

46 In leech locomotion occurs by
(A) Parapodia
(B) Setae
(C) Muscular movement
(D) All of these
47. For what distance of food, waggle dance is shown by honey bee?
(A) More than 50 metres
(B) Less than 100 metres
(C) More than 100 metres
(D) Less than 50 metres

48. Which medium is used for digestion in protozoans?
(A) Extracellular
(B) Intracellular
(C) Intercellular
(D) All of these

49. Contractile vacuole in protozoans is chiefly concerned with the process of
(A) Assimilation
(B) Osmoregulation
(C) Excretion
(D) Digestion

50. Which group of animals are multicellular?
(A) Echinodermata
(B) Cnidaria
(C) Sponges
(D) Colonial protozoans