DF-3006
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

Instructions :

(1)

Fill up strictly the details of signs on your answer book.

Name of the Examination : B. Sc. (Sem. 3)

Name of the Subject : Zoology : Paper - 3

Subject Code No. : 3006 Section No. (1, 2, .......) Nil

Seat No. : 

Student's Signature

(2) There are 50 questions. Each question carries one (1) mark and all are compulsory.

(3) Read the question carefully before selecting the correct option.

O.M.R. Sheet-valva anganee akhyee suvayee aapbe
O.M.R. Sheet-valva paat bheeb chhe.

Important instructions to fillup O.M.R. Sheet is given on back side of the provided O.M.R. Sheet.
1. Supernumerary digits in man is an example of which variation?
   (A) Continuous
   (B) Determinate
   (C) Somatic
   (D) Germinal

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

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

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

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

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

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

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

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

13 What is scientific name of rock bee?
(A) Apis dorsata
(B) Apis mellifera
(C) Apis indica
(D) Apis frorea
14. The animals having numerous parapodia are
(A) Hirudinea
(B) Polychaeta
(C) Oligochaeta
(D) Archiannelida

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

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

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

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

20. A temporary clitellum is formed in Hirudinaria's segments?
(A) 7 to 9th segments
(B) None
(C) 11 to 13th segments
(D) 9 to 11th segments
21. Digestive system is altogether absent in

(A) Cestoda
(B) Trematoda
(C) Ascaris
(D) Turbellaria

22. In which animal, plantigrade foot posture has been change to unguligrade foot posture?

(A) Sheep
(B) Dog
(C) Tiger
(D) Rat

23. Which bird show cursorial adaptations?

(A) Emu
(B) Archaeopteryx
(C) Duck
(D) Peacock
24 Which animals are occasional cave dwellers?
(A) Mouse
(B) Amblyopsis
(C) Proteus
(D) Owls

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

26 In leech locomotion occurs by
(A) Muscular movement
(B) All of these
(C) Parapodia
(D) Setae
27. What is the distance that bees waggle dance for to indicate the location of the nectar source?
(A) 100 metres
(B) 50 metres
(C) 25 metres
(D) 100 feet

For what distance of food, waggle dance is shown by honey bee?
(A) More than 100 metres
(B) Less than 50 metres
(C) More than 50 metres
(D) Less than 100 metres

28. Which of the following statements is true about digestion in protozoans?
(A) Intercellular
(B) Intracellular
(C) Extracellular
(D) All of these

Digestion in protozoans is
(A) Intercellular
(B) Extracellular
(C) All of these
(D) Intracellular

29. Which of the following is the term used for the contractile vacuole in protozoans?
(A) Excretion
(B) Digestion
(C) Assimilation
(D) Osmoregulation

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

30. Which is the most primitive group of animals that are multicellular?
(A) Sponges
(B) Colonial protozoans
(C) Chaetognatha
(D) Cnidaria
31. Royal jelly is secreted by
(A) Drone
(B) Young worker
(C) Worker
(D) Queen

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

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

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

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

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

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

40. Antheraea royieli caterpillar feeds on
(A) Castor leaves
(B) Som
(C) Oak
(D) Mulberry leaves
41. Bombyx mori caterpillar feeds on
(A) Mulberry leaves
(B) Oak
(C) Sal
(D) Arjun

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

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

44. Alternation of sexual and asexual generation is known as
(A) Metagenesis
(B) Polymorphism
(C) Moulting
(D) Metamorphosis
45 प्रणेत्रां कर्णाक्षणा क्षेत्र र आपारितं छ?
   (A) कक्
   (B) निवास घाट
   (C) इकळा
   (D) प्रणेत्रां अंगीरों

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

46 परमाणु शूं छ?
   (A) अश्वीं अर्थात सिस्टम
   (B) अश्वीं नूतरुक
   (C) अश्वीं कोंडोल्टिन
   (D) अश्वीं वाणी

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

47 नीचेनागांशी क्या प्राणीवंशीय रूपमा लक्ष्य होन्छ?
   (A) शीर्षत पर्व
   (B) श्वुपुयोंकरोप
   (C) अनाण
   (D) निदर्श पन

Hooks are presents
   (A) Turbellaria
   (B) Trematoda
   (C) Cestoda
   (D) Tubularia
48  હરુદીનિરીયા વેલુખુલા માં શું થોંગ છે?
(A) વલરુઠક ઔંધર
(B) આ જટા
(C) જુસ્ત ઔંધર
(D) મેલiances ઔંધર

*Hirudinaria granulosa* contains
(A) Cliteller gland
(B) All of these
(C) Sucker gland
(D) Slime gland

49  જંગતની ખવામંથી શું થોંગ છે?
(A) ગીથમોગલાસી
(B) ગીસટાડરી
(C) ગીફરી
(D) ગીરી

Saliva of leech contain
(A) Haemoglobin
(B) Histamine
(C) Heparin
(D) Hirudin

50  હરુદીનિરીયા વેલુખુલા.........
(A) પર્વતમારી છે.
(B) પુષ્પાકારી છે.
(C) ગલી જુસ્ત છે.
(D) મંસાકારી છે.

*Hirudinaria granulosa* is
(A) Omnivorous
(B) Herbivorous
(C) Sanguivorous
(D) Carnivorous