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.

Seat No.:

Name of the Examination : B. Sc. (Sem. 3)
Name of the Subject : Zoology : Paper - 3

Subject Code No. : 3 0 0 6 Section No. (1, 2, .......) Nil

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 बरा अंगांकी अंकांकी सुसानाच्या आपेक्ष
O.M.R. Sheet-ने प्रत्येक अंकांक फरवरी वाचाव येईल.

Important instructions to fill up O.M.R. Sheet is given on back side of the provided O.M.R. Sheet.
1. Digestive system is altogether absent in
(A) Turbellaria
(B) Cestoda
(C) Trematoda
(D) Ascaris

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

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

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

6. In leech locomotion occurs by
   (A) Setae
   (B) Muscular movement
   (C) All of these
   (D) Parapodia
7. What is the distance a honey bee flies to find food?
   (A) 100 meters
   (B) 50 meters
   (C) 75 meters
   (D) More than 100 meters

8. Which of the following is a correct statement about protozoans?
   (A) Intracellular
   (B) Intercellular
   (C) Extracellular
   (D) All of the above

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

10. Most primitive group of animals, which are multicellular is
    (A) Cnidaria
    (B) Sponges
    (C) Colonial protozoans
    (D) Chaetognatha

DF-3006_D] [ Contd...
11. Royal jelly is secreted by?
   (A) Queen
   (B) Drone
   (C) Young worker
   (D) Worker

12. "Papilionidae bee"'s scientific name is?
   (A) Apis mellifica
   (B) Apis florea
   (C) Apis adamsoni
   (D) Apis dorsata

13. Antheraea assama caterpillar feeds on?
   (A) Sal
   (B) Castor leaves
   (C) Champa
   (D) Oak
14  In Hirudinaria there is no special organ for [Hindi]
(A) Digestion
(B) Respiration
(C) Excretion
(D) Reproduction

15  In Hirudinaria, which organ is present? [Hindi]
(A) Integumentary
(B) Pharyngeal
(C) Pharyngeal and Septal
(D) Septal

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

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

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

20 Antheraea roylei caterpillar feeds on
(A) Mulberry leaves
(B) Castor leaves
(C) Som
(D) Oak
21 बोम्बियक्स मोरी के टर्मिनर शूं पाये हैं?
(A) अक्कू
(B) खेतुरना पान
(C) आक
(D) साल
Bombyx mori caterpillar feeds on
(A) Arjun
(B) Mulberry leaves
(C) Oak
(D) Sal

22 मुंगा प्रकारों देशमें साथ सिक्का करे हैं?
(A) अंधेरीआ रोयेली
(B) अंधेरा रोयेली
(C) बोम्बियक्स मोरी
(D) अंधेरीआ आसामा
Munga silk is secreted by
(A) Antheraea royeli
(B) Attacus recini
(C) Bombyx mori
(D) Antheraea assama

23 अल्टिपॉप्सिया शेमां जोवा मणे शी?
(A) शूष्कमग्नी
(B) श्रीमंजूनि
(C) नुसरों
(D) सहिंनो
Polymorphism occurs in
(A) Echinodermata
(B) Coelenterata
(C) Annelida
(D) Porifera

24 धीरी अन्य अर्थाते प्रजनन पाया हरती जोवा मणे रे शी करेऊप?
(A) शूष्कमग्नी
(B) अल्टिपर्याय
(C) अल्टिपॉप्सिया
(D) निर्मोळन
Alteration of sexual and asexual generation is known as
(A) Metamorphosis
(B) Metagenesis
(C) Polymorphism
(D) Moulting
Classification of potozoans is based on
(A) Locomotory organs
(B) Size
(C) Habitat
(D) Skeleton

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

Hooks are presents
(A) Tubularia
(B) Turbellaria
(C) Trematoda
(D) Cestoda
28 Hirudinaria granulosa contains
(A) Slime gland
(B) Cliteller gland
(C) All of these
(D) Sucker gland

29 जबोनी बाजार स्थल है क्योंकि?
(A) जबोनी
(B) जबोनी बाजार
(C) जबोनी मशीन
(D) जबोनी लैपटॉप

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

30 Hirudinaria granulosa is
(A) Carnivorous
(B) Omnivorous
(C) Herbivorous
(D) Sanguivorous
31. Supernumerary digits in man is an example of which variation?
   (A) Germinal
   (B) Continuous
   (C) Determinate
   (D) Somatic

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

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

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

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

37. Sea anemone belongs to class
(A) Scyphozoa
(B) Anthozoa
(C) Hydrozoa
(D) Ctenophora
38 What do nematocysts do to a prey? (A) Shrink (B) Burst (C) Stick (D) Stun

Nematocysts are found in
(A) Echinodermata (B) Annelida (C) Porifera (D) Cnidaria

39 How many additional heads do Annelida have as compared to Hirudinaria? (A) 1 (B) 7 (C) 3 (D) None

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

40 How does the body cavity of Hirudinaria differ from the body cavity of Annelida? (A) Botryoidal tissue (B) Haemocoelom (C) None (D) Connective tissue

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

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

43 What is scientific name of rock bee ?
(A) Apis florea
(B) Apis dorsata
(C) Apis mellifica
(D) Apis indica
44. Which animals have numerous parapodia?
(A) Archiannelida
(B) Hirudinea
(C) Polychaeta
(D) Oligochaeta

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

46. Which of the following is free living?
(A) Tubularia
(B) Turbellaria
(C) Trematoda
(D) Cestoda
47  Which of the following is the first season in the Hindu calendar?
(A) Purnima
(B) Varshabhallu
(C) Shivaratri
(D) Vasanta

In which season, mostly honey bees undergo swarming?
(A) Autumn
(B) Rainy
(C) Winter
(D) Spring

48  Which is the last season of the Hindu calendar?
(A) Summer
(B) Rainy
(C) Autumn
(D) Winter

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

49  Which is the last season of the Hindu calendar?
(A) Summer
(B) Rainy
(C) Autumn
(D) Winter

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

50  A temporary clitellum is formed in Hirudinaria's segments
(A) 9 to 11th segments
(B) 7 to 9th segments
(C) None
(D) 11 to 13th segments