DE-2918
B. Sc. (Sem. I) Examination
March/April – 2016
Zoology : Paper - I

Time : 2 Hours] [Total Marks : 50

सूचना / Instructions :

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

Name of the Examination :
B. Sc. (Sem. 1)

Name of the Subject :
Zoology : Paper - 1

Subject Code No. : 2 9 1 8
Section No. (1, 2,......) : Nil

(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 अंगणी अंगणी सूचना आपेक्ष
O.M.R. Sheet-वी पाहण अपेक्ष आहे.

Important instructions to fillup O.M.R. Sheet
are given on back side of the provided O.M.R. Sheet.
1. Which gland provides nourishment to sperm?
   (A) Anal gland
   (B) Prostate gland
   (C) Perineal gland
   (D) Cowper gland

2. How many pairs are there?
   (A) 2
   (B) 4
   (C) 3
   (D) 1

3. Lamprey is an example of
   (A) Cyclostomata
   (B) Protozoa
   (C) Amphibia
   (D) Fishes

4. The gestation period in rabbit is
   (A) 30
   (B) 20
   (C) 11
   (D) 28

5. Which of the animal is having non-nucleated RBC?
   (A) Frog
   (B) Monkey
   (C) Snake
   (D) Shark
5. Which of the following methods are used in life sciences to determine enzymatic activity?
   (A) Biuret
   (B) Test tube
   (C) Absorbance
   (D) ELISA

The enzyme responsible to convert fat into fatty acids and glycerol
(A) Maltase
(B) Ptylin
(C) None of these
(D) Lipase

6. Who first used the word 'factor' for gene?
   (A) Mendel
   (B) Darwin
   (C) Johnson
   (D) Watson

7. Plasmodium belongs to phylum
   (A) Protozoa
   (B) Coelenterate
   (C) Annelid
   (D) Porifera
8. Seahorse is an example of
(A) Mammals
(B) Amphibia
(C) Reptile
(D) Bony fish

9. Respiratory pigment found in mammals is
(A) Haemoglobin
(B) Haemoerythrin
(C) None of these
(D) Haemocynin

10. The branch in which the study of virus and bacteria
(A) Microbiology
(B) Medicine
(C) Taxonomy
(D) Ecology
11 ग्राहिन्यं भावाकर, किं अनेक विविध अंगों ने आगमों आ प्रायः अभ्यासने शुं कदें को ?
(A) वर्तुकशिद्धि
(B) जन्तुतिवि
(C) आकाशिवि
(D) अंतरहासिवि

Study of external features of animal is called
(A) Taxonomy
(B) Genetics
(C) Morphology
(D) Anatomy

12 कोणानं स्वातन्ता अभ्यास करती शाखा आते शुं को ?
(A) जन्तुतिवि
(B) माइक्रोबायोलोजी
(C) अंतरहासिवि
(D) क्षेत्रिवि

The branch related to the study of cell structure is called
(A) Embryology
(B) Microbiology
(C) Anatomy
(D) Cytology

13 परामोसीश्वमं अं क्या समुदायपं ग्राहिन्यं क्षी शुं ?
(A) अष्टिक्रिया
(B) क्रिःनती
(C) पृंथिक्रिया
(D) प्राणव

Paramoecium belongs to phylum
(A) Porifera.
(B) Coelenterate
(C) Nemenhelminthes
(D) Protozoa
14 ‘आस्त्रक’ अंि कया समुद्रात्तुण प्राणी छिरे?
   (A) पुषुकृतिम
   (B) पुषुकृति
   (C) प्रणज
   (D) अछिल्ला

'Osculum' is characteristic of phylum
   (A) Platyhelminthes
   (B) Annelida
   (C) Protozoa
   (D) Porifera

15 नीऩयनांगी कण्यु प्राणी नूसुक समुद्रात्तुण छिरे?
   (A) वंको
   (B) ज़ाळांना
   (C) मर्ग
   (D) ज़ाळो

Which of the following animal belongs to annelid?
   (A) Cockroach
   (B) Hydra
   (C) Fish
   (D) Leech

16 ‘सल्पा’ अंि शायुं उडासरके क्या?
   (A) नूसुमुळा
   (B) सामुळमुळी
   (C) शीर्षमुळी
   (D) पुषुमुळी

'Salpa' is an example of
   (A) Cyclostomata
   (B) Hemichordata
   (C) Cephalochordata
   (D) Urochordata
17. \text{‘Placoid scales’ are characteristic of}\n\begin{enumerate}[(A)]\item Amphibia\item Cartilaginous fish\item Cyclostomata\item Bony fish\end{enumerate}\n
18. \text{Which one is the warm-blooded animal from given below?}\n\begin{enumerate}[(A)]\item Frog\item Snake\item Pigeon\item Fish\end{enumerate}\n
19. \text{Which phylum has characteristic of four-chamber heart?}\n\begin{enumerate}[(A)]\item Amphibia\item Aves\item Protochordates\item Fish\end{enumerate}\n
20. \text{The tissue which connects different parts of body with each other is}\n\begin{enumerate}[(A)]\item Connective tissue\item Muscle tissue\item Edipose tissue\item Epithelial tissue\end{enumerate}
21 Which of the following tissue has yellow and white fibres?
(A) Skeleton tissue
(B) Muscular tissue
(C) Adipose tissue
(D) Aerilolar tissue

22 Bathysponge belongs to which phylum?
(A) Porifera
(B) Coelenterata
(C) Nehelminthes
(D) Protozoa

23 Which is liquid connective tissue?
(A) Adipose tissue
(B) Aerilolar tissue
(C) Blood
(D) Skeleton tissue
24. Nerve fiber with well developed myelinated sheath is called
   (A) Nerve fiber
   (B) Synapse
   (C) Medulated nerve fiber
   (D) Non medulated nerve fibers

25. What is responsible for red color of mammalian blood?
   (A) Oxygen
   (B) WBC
   (C) Bone marrow
   (D) Haemoglobin

26. 'Orictolagus cuniculus' is the scientific name of
   (A) Rat
   (B) Rabbit
   (C) Sparrow
   (D) Human
27. What is the diet of a rabbit?
   (A) Omnivorous
   (B) Carnivorous
   (C) None of these
   (D) Herbivorous

28. How many pairs of salivary glands are present in a rabbit?
   (A) 4
   (B) 1
   (C) 6
   (D) 2

29. How many total teeth are present in a rabbit?
   (A) 10
   (B) 20
   (C) 30
   (D) 28

30. Which types of teeth are absent in a rabbit?
   (A) Canine
   (B) Premolar
   (C) Molar
   (D) Incisor
31 The stomach of rabbit is mainly divided in to how many chambers?
(A) 4
(B) 5
(C) 6
(D) 3

32 Islets of Langerhans' are found in
(A) Liver
(B) Stomach
(C) Intestine
(D) Pancreas

33 In rabbit the blood is purified by
(A) Heart
(B) Lungs
(C) Kidney
(D) Liver
34. What is the function of olfactory lobe?
   (A) Vision
   (B) Emotion
   (C) Memory
   (D) Smell

35. 'Loop of Henle' is found in which system?
   (A) Respiratory system
   (B) Excretory system
   (C) Nervous system
   (D) Reproductive system

36. What type of blood circulation is found in rabbit?
   (A) Triple circulation
   (B) Single circulation
   (C) None of these
   (D) Double circulation
37. Bat belongs to class
(A) Aves
(B) Mammals
(C) Fishes
(D) Reptile

38. The present of 47 chromosomes in human is
(A) Klinefelter syndrome
(B) Down's syndrome
(C) Leukemia
(D) Turner's syndrome

39. Which symbol is use for male in pedigree analysis?
(A) Round
(B) Triangle
(C) Rectangle
(D) Square

40. The arrangement of gene over appropriate chromosome is known as
(A) R.N.A.
(B) Locus
(C) None of these
(D) D.N.A.
41. The expression of gene is inhibited by similar other gene is known as
(A) Locus
(B) Factor
(C) Mutation
(D) Epistasis

42. The universal donor blood group is
(A) B
(B) O
(C) AB
(D) A

43. 'Setae' is the characteristic of
(A) Amoeba
(B) Cockroach
(C) Pila
(D) Earthworm
44. Animals which can't regulate their body temperature as per atmospheric temperature are called
   (A) Heterothermous animal
   (B) Special animal
   (C) None of these
   (D) Homothermous animal

45. बलके कियों कई पेशीमाँ होवा म्हणे येतले?
   (A) मेघपाप्पिशी
   (B) तंतुपटक पेशी
   (C) वेतपेशी
   (D) इंकाव पेशी

   Phagocytes are found in which tissue?
   (A) Adipose tissue
   (B) Aeriole tissue
   (C) Nerve tissue
   (D) Skeleton tissue

46. जूनियर रसमां फेड्या ता पाशी होख येते?
   How much percentage of water present in blood plasma?
   (A) 80%
   (B) 50%
   (C) 100%
   (D) 90%

47. निसेलची क्रिकलेण्या अनेकी अनेकी येते?
   (A) विटामिन
   (B) इस्क्रोलिपिप्ट
   (C) इस्क्रोप्रोटीन
   (D) ब्रोटीन

   Nisel's granules are made up of
   (A) Vitamin
   (B) Phospholipid
   (C) Phosphoprotein
   (D) Protein
48. The pancreas secretes
(A) HCl
(B) Hiperin
(C) None of these
(D) Insulin

49. Which enzyme is found in saliva?
(A) Pepsin
(B) Renin
(C) Ptylin
(D) Tripsin

50. Impure blood is found in which artery of rabbit?
(A) Dorsal aorta
(B) Caudal artery
(C) Gonadial artery
(D) Pulmonary artery