SECOND YEAR B. SC. (SEM. 3)

Name of the Subject:

BIODIVERSITY (ID)

Seat No.: 

Subject Code No.: 3 0 1 3

Section No. (1, 2,....) Nil

Student's Signature

Time : 2 Hours]

[Total Marks : 50

Instructions:

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

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 भरवा अंगेनी अंगेनी सूजनाओ आपेक्ष
O.M.R. Sheet-__(( पूर्ण छापेद छे।

Important instructions to fillup O.M.R. Sheet is given back side of provided O.M.R. Sheet.
1. In plant kingdom which group is dominant?
   (A) Gymnosperm
   (B) Monocots
   (C) Dicots
   (D) Pteridophytes

2. Where the Crocodile trust bank is located?
   (A) Madhya Pradesh
   (B) Gujarat
   (C) Jammu-Kashmir
   (D) Chennai

3. Methods of joining of the two organisms DNA is called ________.
   (A) Hybridization
   (B) Mutation
   (C) All
   (D) r-DNA

DF-3013_D | 2 [ Contd...}
4. Biodiversity is estimated by ________.
(A) Biodiversity Index
(B) Types of Biodiversity
(C) All
(D) Value of Biodiversity

5. Which is the largest fresh water lake?
(A) Nal Lake
(B) Pampa Lake
(C) Sultan Lake
(D) Chika Lake

6. Which is not included in value of Biodiversity?
(A) Social Value
(B) Ethical Value
(C) Physical Value
(D) Option Value
7. What is the industrial use of coral reef at Jamnagar?
   (A) Cement Industries
   (B) Textile Industries
   (C) Diamond Industries
   (D) Pearl culture

8. In which state Wildlife Protection Act is not applicable?
   (A) Assam
   (B) Arunachal Pradesh
   (C) Jammu-Kashmir
   (D) Andhra Pradesh

9. Which marine species is rare?
   (A) Crab
   (B) Star fish
   (C) None of these
   (D) Sea horse

10. Who coined the term ‘Ecosystem’?
    (A) Darwin
    (B) Tensly
    (C) Lindmen
    (D) Odum
11 Which drug is obtained from “Dhatura”?
   (A) Atropine
   (B) Menthol
   (C) Quinine
   (D) Morphine

12 The active chemical drug papine is obtained from
   (A) Papaya
   (B) Tea
   (C) Amorpholaus
   (D) Pine apple

13 When the World Forest Day is celebrated?
   (A) 21 March
   (B) 21 May
   (C) 21 June
   (D) 21 April

14 In full form of IPAS, A stands for ________.
   (A) Agency
   (B) Association
   (C) Authority
   (D) Area
15 Which plant is used to cure diabetes?
(A) Madhunashi
(B) Neem
(C) Tulsi
(D) Galo

16 Sundervan National Park is famous for which animal?
(A) Lion
(B) Rhinoceros
(C) All of these
(D) Tiger

17 Wild ASS sanctuary is located in _______ district.
(A) Porbandar
(B) Kutch
(C) Narmada
(D) Rajkot
18 How many National Parks are there in Gujarat?
(A) 21
(B) 25
(C) 89
(D) 4

19 Which day is celebrated on 11th July?
(A) Water Day
(B) World Forest Conservation Day
(C) Ozone Day
(D) World Population Day

20 In the full form of IUCN, C means ________.
(A) Conservation
(B) Culture
(C) Condition
(D) Committee

21 How many sanctuaries are there in India?
(A) 492
(B) 89
(C) 21
(D) 581
22. Which animal is protected in Marine National Park?
   (A) Coral reef
   (B) Shark
   (C) Sea horse and Coral reef
   (D) Sea horse

23. Zoo is which kind of methods for biodiversity conservations?
   (A) Ex-situ
   (B) Biosphere reserves
   (C) None of these
   (D) In-situ

24. Which is not included in in-situ conservation?
   (A) Gene bank
   (B) National park
   (C) Botanical garden and Gene bank
   (D) Botanical garden
25. भारताच्या राष्ट्रीय वृक्ष _______ आहे.
(A) बीच्यो
(B) अंबोे
(C) लीमोे
(D) दुः
_______ is the national tree of India.
(A) Pipal
(B) Mango
(C) Neem
(D) Banyan

26. नीचे नेतीचे कसा देशांमध्ये जीवविविधतेच्या अवकाशावर एकूण वापर होय हे?
Which of the following countries has maximum biodiversity?
(A) South Africa
(B) Russia
(C) India
(D) Brazil

27. नीचे नेतीचे कसा निवाससंतरंगांमध्ये जीवविविधताच्या अवकाशावर एकूण वापर होय हे?
(A) भूमध्यसागरीय निवाससंतरंग
(B) उपमहाद्वीपीय निवाससंतरंग
(C) आशियासागरीय निवाससंतरंग
(D) दक्षिणी निवाससंतरंग

Among the ecosystem mentioned below, where can one found maximum biodiversity?
(A) Mangroves ecosystem
(B) Polar region ecosystem
(C) Lake ecosystem
(D) Desert ecosystem
28. Which of the following forest is known as the 'lungs of the planet earth'?
(A) Tundra forest
(B) Amazon rain forest
(C) India rain forest
(D) Taiga forest

29. Red data book is published by whom?
(A) GEC
(B) NCERT
(C) None of these
(D) IUCN

30. Which part of Achyranthus is used as medicine?
(A) Leaf
(B) Bark
(C) All
(D) Root
31. The existence of different varieties of rice is an example of what?
(A) Species Biodiversity
(B) Ecosystem Biodiversity
(C) All
(D) Genetic Biodiversity

32. Which drug is used to cure malaria?
(A) Quinine
(B) Reserpine
(C) Colchicine
(D) Penicillin

33. Waghai Botanical Garden is known for ________.
(A) Rare plants
(B) Medicinal plants
(C) All
(D) Edible plants
34  Gujarat _______ अंश उत्तर अक्षांश पर्यंत आवेंदु छे।
   Gujarat is situated on _______ degree north latitude.
   (A) 30-35
   (B) 68-75
   (C) 57-86
   (D) 20-25

35  भारतमानी _______ करतां वर्गां आदर्णभाषपारी वन्यस्तितिच्या शोधारे छे।
   How many Angiosperms plants are found in India ?
   (A) 18,000
   (B) 1,500
   (C) 1,800
   (D) 15,000

36  कोरो आंकुर गुजरात कोडे अने क्यांके प्रकाश कोरी ?
   By whom and when the Flora of Gujarat was published ?
   (A) G. L. Shah, 1987
   (B) O. P. Odam, 1978
   (C) O. P. Odam, 1987
   (D) G. L. Shah, 1978

37  काही वनस्पती रेळीने मेळेस्थी राहे छे ?
   Which plant helps in binding the sand ?
   (A) *Avecinnia marina*
   (B) *Avecinnia alba*
   (C) *Bruguiera gymnorrhiza*
   (D) *Ipomoea biloba*
38 Which is the most appropriate method for conservation of wild life?

(A) Hybridization
(B) Conservation of natural habitat
(C) Killing of predator
(D) Vaccination

39 Where Mangroves forest is found?

(A) Coastal region
(B) Open region
(C) Bank of river
(D) Dry region

40 Where is the gene of rare plants species stored?

(A) Gene library
(B) Herbarium
(C) None of these
(D) Gene bank
41 Approximately how many medicinal plants are found in India?
   (A) 5700-8000
   (B) 1315-1400
   (C) 3115-4100
   (D) 7500-8000

42 Which mangrove plant is used as vegetables?
   (A) *Avicennia alba*
   (B) *Avicennia marina*
   (C) *Avicennia officinalis*
   (D) *Bruguiera gymnorrhiza*

43 Flora contains data of ________.
   (A) Animals
   (B) Plants and Animals
   (C) None of these
   (D) Plants
44. Which of the following group of plants exhibits more species diversity?
(A) Algae
(B) Bryophyte
(C) Fungi
(D) Angiosperm

45. Which is odd one?
(A) Aves
(B) Mammalians
(C) Fungi
(D) Reptiles

46. Which micro organism is responsible for synthesis of antibiotics?
(A) Virus
(B) Fungi
(C) Algae
(D) Bacteria
Biodiversity is used as source of income that means ________.
(A) Consumptive used value
(B) Aesthetic value
(C) Social value
(D) Productive use value

On which day the Forest Conservation Act was applicable in India?
(A) 25 October, 1980
(B) 27 December, 1980
(C) 25 November, 1980
(D) 25 December, 1980

Which is odd one?
(A) Velisneria
(B) Sirotophylum
(C) Lemna
(D) Hydrilla