DF-3013
Second Year B. Sc. (Sem. III) Examination
March / April – 2016
Biodiversity (ID)

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.

OMR Sheet अंकन के लिए उपलब्ध सूचना आपेक्षिक मार्क के लिए पृष्ठ भरें. अमार्क के लिए OMR Sheet के पृष्ठ भरें.

Important instructions to fill up OMR Sheet is given back side of provided OMR Sheet.
1. Which drug is obtained from “Dhatura”?
   (A) Morphine
   (B) Atropine
   (C) Menthol
   (D) Quinine

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

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

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

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

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

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

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

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

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

14 Which is not included in in-situ conservation?
(A) Botanical garden
(B) Gene bank
(C) National park
(D) Botanical garden and Gene bank
15 भारताच्या राष्ट्रीय वृक्ष ______ फे.
(A) वंस
(B) पीपलो
(C) आंबोले
(D) नीमोले

_______ is the national tree of India.
(A) Banyan
(B) Pipal
(C) Mango
(D) Neem

16 नीवेण्या पैकी कसा देशांमध्ये जैविकविविधतेच्या प्रमाणाची सोबत वाढते येईल?
Which of the following countries has maximum biodiversity?
(A) Brazil
(B) South Africa
(C) Russia
(D) India

17 नीवेण्या पैकी कसा निवाससंतत्तेच्या जैविकविविधतेच्या सोबत वाढते होय?
Among the ecosystem mentioned below, where can one found maximum biodiversity?
(A) Desert ecosystem
(B) Mangroves ecosystem
(C) Polar region ecosystem
(D) Lake ecosystem
18 Which of the following forest is known as the 'lungs of the planet earth'?
(A) Taiga forest
(B) Tundra forest
(C) Amazon rain forest
(D) India rain forest

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

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

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

23. Waghai Botanical Garden is known for _________.
(A) Edible plants
(B) Rare plants
(C) Medicinal plants
(D) All
24. Gujarat _______ portion upper portion lower portion. Has a lot of _______ plants there.
   Gujarat is situated on _______ degree north latitude.
   (A) 20-25
   (B) 30-35
   (C) 68-75
   (D) 57-86

25. Bharatmārī _______ karṣam bhabar aarūndṛīsarpī parshūjāsīsīnā rēshānīshī _______.
   How many Angiosperms plants are found in India ?
   (A) 15,000
   (B) 18,000
   (C) 1,500
   (D) 1,800

26. Khāna oṣad Gujarat kośe ane khāray prāshān kān ?
   By whom and when the Flora of Gujarat was published ?
   (A) G. L. Shah, 1978
   (B) G. L. Shah, 1987
   (C) O. P. Odam, 1978
   (D) O. P. Odam, 1987

27. Kāra parshūjāsīsī parshūjāsīrūntī metīsī rēshā ?
   Which plant helps in binding the sand ?
   (A) Ipomoea biloba
   (B) Aveccinia marina
   (C) Aveccinia alba
   (D) Bruguiera gymnorhiza
28 Which is the most appropriate method for conservation of wild life?
(A) Vaccination
(B) Hybridization
(C) Conservation of natural habitat
(D) Killing of predator

29 Where Mangroves forest is found?
(A) Dry region
(B) Coastal region
(C) Open region
(D) Bank of river

30 Where is the gene of rare plants species stored?
(A) Gene bank
(B) Gene library
(C) Herbarium
(D) None of these
31. Approximately how many medicinal plants are found in India?

(A) 7500-8000  
(B) 5700-8000  
(C) 1315-1400  
(D) 3115-4100

32. Which mangrove plant is used as vegetables?

(A) Bruguiera gymnorhiza  
(B) Avicennia alba  
(C) Avicennia marina  
(D) Avicennia officinalis

33. Flora contains data of ________.

(A) Plants  
(B) Animals  
(C) Plants and Animals  
(D) None of these
34. Which of the following group of plants exhibits more species diversity?
(A) Angiosperm
(B) Algae
(C) Bryophyte
(D) Fungi

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

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

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

39. Which is odd one?
   (A) Hydrilla
   (B) Velisneria
   (C) Sirotophylhum
   (D) Lemna

40. How many countries were participated in first Earth Summit?
   (A) 183
   (B) 171
   (C) 117
   (D) 177
41 In plant kingdom which group is dominant?
(A) Pteridophytes
(B) Gymnosperm
(C) Monocots
(D) Dicots

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

43 Methods of joining of the two organisms DNA is called ________
(A) r-DNA
(B) Hybridization
(C) Mutation
(D) All
44. Biodiversity is estimated by ________.
   (A) Value of Biodiversity
   (B) Biodiversity Index
   (C) Types of Biodiversity
   (D) All

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

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

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

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

50 Who coined the term ‘Ecosystem’?
(A) Odam
(B) Darwin
(C) Tensly
(D) Lindmen