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

Time : 2 Hours] [Total Marks : 50

शृंगार / Instructions:

1. Fill up strictly the details of signs on your answer book.
2. SECOND YEAR B. SC. (SEM. 3)
3. Name of the Subject:
4. BIODIVERSITY (ID)
5. Subject Code No.: 3 0 1 3
6. Section No. (1, 2,.....): Nil
7. Student’s Signature

(2) प्रश्न पत्रमा 50 प्रश्न हुँ, जसलाई सामान्य र स्पष्ट हुँदै र जसलाई सामान्य र स्पष्ट नुसार सङ्केतित गरिएको छ।
(2) There are 50 questions, each question carries one (1) mark and all are compulsory.
(3) कार्यक्रममा अन्तर्गत किसी भी प्रश्नको नुसार विकल्प पसंद गरिएको छ।
(3) Read the question carefully before selecting the correct option.

O.M.R. Sheet भर्ना अनजानी अवस्थामा सुरू नापर्ने अफेक
O.M.R. Sheet-लाई पहिच दिनेको छ।
Important instructions to fill up O.M.R. Sheet is given back side of provided O.M.R. Sheet.
1. The existence of different varieties of rice is an example of what?
   (A) Ecosystem Biodiversity
   (B) All
   (C) Genetic Biodiversity
   (D) Species Biodiversity

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

3. Waghai Botanical Garden is known for __________.
   (A) Medicinal plants
   (B) All
   (C) Edible plants
   (D) Rare plants
4. Gujarat _______ ansh uttar abhang aseve ane aave. Gujarat is situated on _______ degree north latitude.
   (A) 68-75
   (B) 57-86
   (C) 20-25
   (D) 30-35

5. Bharat bano _______ karantam ndare aabe aadharshujarial vanspatimeno shopar. How many Angiosperms plants are found in India?
   (A) 1,500
   (B) 1,800
   (C) 15,000
   (D) 18,000

6. Khoro aon gujarat kore ane khare prasidd karo? By whom and when was the Flora of Gujarat published?
   (A) O. P. Odam, 1978
   (B) O. P. Odam, 1987
   (C) G. L. Shah, 1978
   (D) G. L. Shah, 1987

7. Keri vanspati reti ne meade thi abe? Which plant helps in binding the sand?
   (A) Aveccinia alba
   (B) Bruguiera gymnorrhiza
   (C) Ipomoea biloba
   (D) Aveccinia marina
8. Which is the most appropriate method for conservation of wild life?
   (A) Conservation of natural habitat
   (B) Killing of predator
   (C) Vaccination
   (D) Hybridization

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

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

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

12 Which mangrove plant is used as vegetables?

(A) *Avicennia marina*  
(B) *Avicennia officinalis*  
(C) *Bruguiera gymnorrhiza*  
(D) *Avicennia alba*

13 Flora contains data of _______.

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

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

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

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

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

How many countries were participated in first Earth Summit?
(A) 117  
(B) 177  
(C) 183  
(D) 171
21 Which group is dominant in the plant kingdom?  
(A) Monocots  
(B) Dicots  
(C) Pteridophytes  
(D) Gymnosperm

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

44 Which is not included in in-situ conservation?
(A) National park
(B) Botanical garden and Gene bank
(C) Botanical garden
(D) Gene bank
45  भारतमध्ये राष्ट्रीय वृक्ष ________ चॆ. 
(A) आंबो 
(B) बीमो 
(C) वं 
(D) पीपो 

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

46  नीचेन्या पैकी कसा देशांमध्ये जैविकविविधतेच्या प्रमाणी सोखी वधारे चे? 
Which of the following countries has maximum biodiversity?
(A) Russia 
(B) India 
(C) Brazil 
(D) South Africa 

47  नीचेन्या पैकी कसा विविधतांतर्गत जैविकविविधतेच्या सोखी वधारे होय चे? 
Among the ecosystem mentioned below, where can one found maximum biodiversity?
(A) Polar region ecosystem 
(B) Lake ecosystem 
(C) Desert ecosystem 
(D) Mangroves ecosystem
48. Which of the following forest is known as the 'lungs of the planet earth'?
   (A) Amazon rain forest
   (B) India rain forest
   (C) Taiga forest
   (D) Tundra forest

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

50. Which part of Achyranthus is used as medicine?
   (A) Bark
   (B) All
   (C) Root
   (D) Leaf