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

Time : 2 Hours] [Total Marks : 50

सूचना / Instructions :

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

Name of the Examination : SECOND YEAR B. SC. (SEM. 3)
Name of the Subject : BIODIVERSITY (ID)

(2) प्रश्न पत्रमध्ये 50 प्रश्न आहेत, त्यांप्रमध्ये 20 प्रश्नाचे अनुभवकारी अभ्यास करण्याची सल्ला आहे. दरेक प्रश्नात (1) अंक गुणात दिला जाते.

(2) There are 50 questions, each question carries one (1) mark and all are compulsory.

(3) दरेक प्रश्नात जास्तपूर्वक अनुभव करून केलेल्या अभ्यासाची सल्ला आहे. विकल्प पसंद करा.

(3) Read the question carefully before selecting the correct option.

O.M.R. Sheet बरेच अनेकांनी अज्ञातपणे लागवले आहे. O.M.R. Sheet-मध्ये प्रश्न वाचून फyll up करा.

Important instructions to fill up O.M.R. Sheet is given back side of provided O.M.R. Sheet.
1. Approximately how many medicinal plants are found in India?
   (A) 3115-4100
   (B) 7500-8000
   (C) 5700-8000
   (D) 1315-1400

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

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

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

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

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

9. Which is odd one?
   (A) Lemna
   (B) Hydrilla
   (C) Velisneria
   (D) Sirotophyllum

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

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

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

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

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

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

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

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

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

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

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

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

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

29 Which day is celebrated on 11\textsuperscript{th} July?
(A) Ozone Day
(B) World Population Day
(C) Water Day
(D) World Forest Conservation Day

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

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

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

34. Which is not included in in-situ conservation?
   (A) Botanical garden and Gene bank
   (B) Botanical garden
   (C) Gene bank
   (D) National park
35  भारतनु राष्ट्रीय वृक्ष होतो __________ छे।

(A) बीमोल
(B) वां
(C) पीपोलो
(D) अंधोलो

_________ is the national tree of India.

(A) Neem
(B) Banyan
(C) Pipal
(D) Mango

36  नीचेना पैक्षिक कथा देखानु जैवविविषिताकु प्रमाणा सौर बढाना छ्न् ?

Which of the following countries has maximum biodiversity ?

(A) India
(B) Brazil
(C) South Africa
(D) Russia

37  नीचेना पैक्षिक कथा निवसन्तत्रमाँ जैवविविषिता सौर बढाना होय हो ?

(A) खोरोयरु निवसन्तत्र
(B) खोर्कु निवसन्तत्र
(C) मे-मुयरु निवसन्तत्र
(D) खुलबुदेश्थरु निवसन्तत्र

Among the ecosystem mentioned below, where can one found maximum biodiversity ?

(A) Lake ecosystem
(B) Desert ecosystem
(C) Mangroves ecosystem
(D) Polar region ecosystem
38 Which of the following forest is known as the 'lungs of the planet earth'? 
(A) India rain forest 
(B) Taiga forest 
(C) Tundra forest 
(D) Amazon rain forest

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

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

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

43 Waghai Botanical Garden is known for ________.
(A) All
(B) Edible plants
(C) Rare plants
(D) Medicinal plants
44 गुजरात _______ अंश उत्तर अक्षांश पर्यंत आवेंद्रु है।

Gujarat is situated on _______ degree north latitude.
(A) 57-86
(B) 20-25
(C) 30-35
(D) 68-75

45 भारतमाध्य _______ क्षेत्रात अनेक आदुतन्त्रिक वनस्पतियां शोधारे हैं।

How many Angiosperms plants are found in India?
(A) 1,800
(B) 15,000
(C) 18,000
(D) 1,500

46 क्यों आंध गुजरात कोठे अने क्वारे प्रक्षेंड करू शकते?

By whom and when the Flora of Gujarat was published?
(A) O. P. Odam, 1987
(B) G. L. Shah, 1978
(C) G. L. Shah, 1987
(D) O. P. Odam, 1978

47 कौन वनस्पति गंगुलिते श्रेणी में शामिल है?

Which plant helps in binding the sand?
(A) Bruguiera gymnorrhiza
(B) Ipomoea biloba
(C) Aveinia marina
(D) Aveinia alba
48 Which is the most appropriate method for conservation of wild life?
(A) Killing of predator
(B) Vaccination
(C) Hybridization
(D) Conservation of natural habitat

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

50 Where is the gene of rare plants species stored?
(A) None of these
(B) Gene bank
(C) Gene library
(D) Herbarium