

2016/ODD/13/34/BPH-310 (C)/556

UG Odd Semester (CBCS) Examination, December—2016

PHARMACEUTICAL SCIENCE

Course No. : BPH-310 (C)

(Environmental Science)

Full Marks : 75

Time : 3 hours

To be filled in by the Candidate

UG Odd Semester (CBCS) Exam.,
December—2016

INSTRUCTIONS TO CANDIDATES

While answering the questions of this booklet, any cutting, erasing, overwriting or furnishing more than one answer is prohibited. Instructions given in each question should be followed for answering that question only.

MARKS AWARDED

UNIT—I	
UNIT—II	
UNIT—III	
TOTAL	

*Signature of
Scrutiniser(s)*

*Signature of
Examiner(s)*



Code : 2016/ODD/13/34/BPH-310 (C)/556

Date Stamp

To be filled in by the Candidate

UG Odd Semester (CBCS) Exam., December—2016

SUBJECT :

Regn. No.

Roll No.

*Signature of
Invigilator(s)*

2016/ODD/13/34/BPH-310 (C)/556

UG Odd Semester (CBCS) Examination,
December—2016

PHARMACEUTICAL SCIENCE

(3rd Semester)

Course No. : BPH-310 (C)

(**Environmental Science**)

Full Marks : 75

Pass Marks : 30

Time : 3 hours

The figures in the margin indicate full marks for the questions

UNIT—I

(*Marks* : 40)

Put a Tick mark against the correct answer in the box
provided : 1×40=40

1. A lake is a

- (a) lotic ecosystem
- (b) lentic ecosystem
- (c) Both lentic and lotic
- (d) None of the above

2. 'Sone Bil', the largest wetland in Assam, is located in

- (a) Karimganj district
- (b) Cachar district
- (c) Nagaon district
- (d) Kamrup district

3. The first life on earth was named as

- (a) amoeba
- (b) fungi
- (c) virus
- (d) pteridophytes

4. Sulphur dioxide is a

- (a) secondary pollutant
- (b) primary pollutant
- (c) Both (a) and (b)
- (d) None of the above

5. Birds and mammals first appeared during

- (a) Triassic period
- (b) Devonian period
- (c) Jurassic period
- (d) Permian period

6. The percentage of oxygen in air is

(a) 21%

(b) 25%

(c) 27%

(d) 29%

7. Heterotrophs are

(a) consumers

(b) decomposers

(c) autotrophic

(d) parasitic

8. Coal mine workers suffer from

(a) anthracosis

(b) byssinosis

(c) tuberculosis

(d) jaundice

9. The term 'biosphere' was first proposed by

(a) E. P. Odum

(b) Lamarck

(c) Eduard Suess

(d) V. Vernadsky

10. The Save Silent Valley Movement was spearheaded by

- (a) KSSP
- (b) DGSM
- (c) KPSM
- (d) None of the above

11. 'Sahara Africa' is

- (a) hyperarid
- (b) arid
- (c) semiarid
- (d) None of the above

12. Symbiosis is a

- (a) positive interaction
- (b) negative interaction
- (c) Both (a) and (b)
- (d) None of the above

13. The pH of the acid rain is

- (a) less than 4.2
- (b) more than 7.0
- (c) more than 5.2
- (d) less than 4.0

14. Anti-Arrack Movement was organized in

- (a) Nellore
- (b) Vellore
- (c) Chennai
- (d) Andaman

15. DDT is

- (a) nonbiodegradable
- (b) biodegradable
- (c) a manure
- (d) None of the above

16. The Chernobyl accident occurred in

- (a) UK
- (b) USSR
- (c) India
- (d) Japan

17. Lead is a pollutant generated by

- (a) storage battery
- (b) paper industry
- (c) cement industry
- (d) None of the above

18. The unit of radioactivity is

- (a) curie
- (b) cm
- (c) rad
- (d) None of the above

19. The Biodiversity Convention had

- (a) 42 Articles
- (b) 52 Articles
- (c) 49 Articles
- (d) 51 Articles

20. The Earth Summit, 1992 was held in

- (a) Rio de Janeiro
- (b) UK
- (c) Pakistan
- (d) India

21. *Felis bengalensis* is the scientific name of

- (a) leopard cat
- (b) slow loris
- (c) tiger
- (d) lion

22. The lowest layer of the atmosphere is

- (a) ionosphere
- (b) stratosphere
- (c) mesosphere
- (d) troposphere

23. The Minamata disaster is caused due to

- (a) methyl mercury
- (b) sulphur dioxide
- (c) methyl isocyanate
- (d) None of the above

24. Legumes are planted for

- (a) nitrogen content in the soil
- (b) carbon dioxide content in the soil
- (c) sulphur content in the soil
- (d) None of the above

25. The scientific name of Indian bison is

- (a) *Bos gaurus*
- (b) *Rhinoceros unicornis*
- (c) *Felis domestica*
- (d) None of the above

26. The minute floating plants, mostly algae are called

- (a) macrophytes
- (b) phytoplankton
- (c) zooplankton
- (d) None of the above

27. Malarial parasite is an example of

- (a) fungi
- (b) virus
- (c) protozoa
- (d) None of the above

28. Biotic resource includes

- (a) tree
- (b) fish
- (c) livestock
- (d) All of the above

29. Sierra Club is a prominent organization of

- (a) USA
- (b) Japan
- (c) India
- (d) None of the above

30. Nokrek National Park is located in

- (a) Meghalaya
- (b) Mizoram
- (c) Assam
- (d) Manipur

31. The Ganga Action Plan was launched in

- (a) 1985
- (b) 1989
- (c) 1986
- (d) 1987

32. A city with population of 100000 and above is called as

- (a) Class I city
- (b) Class II city
- (c) Class III city
- (d) None of the above

33. 'The Bhopal Tragedy' was caused by the toxicant

- (a) carbyl
- (b) methyl isocyanate
- (c) methyl mercury
- (d) None of the above

34. The river Barak originates in

- (a) Manipur
- (b) Nagaland
- (c) Mizoram
- (d) None of the above

35. The Environment (Protection) Act was promulgated in

- (a) 1972
- (b) 1992
- (c) 1986
- (d) 1980

36. Ozone layer of atmosphere filters

- (a) ultraviolet rays
- (b) infrared rays
- (c) Both (a) and (b)
- (d) None of the above

37. 'Climax Community' means

- (a) pioneer species
- (b) final stabilized community
- (c) transitional stage
- (d) seral stage

38. Which of the following is a negative interaction?

- (a) Symbiosis
- (b) Allelopathy
- (c) Both (a) and (b)
- (d) None of the above

39. Cacti and Euphorbias are found in

- (a) Desert biome
- (b) Tundra boime
- (c) Taiga biome
- (d) Grassland biome

40. Which one of the following is a sedimentary cycle?

- (a) Carbon cycle
- (b) Sulphur cycle
- (c) Hydrological cycle
- (d) Nitrogen cycle

UNIT—II

(Marks : 15)

Answer the following questions in 1 or 2 sentence(s) each :

1×15=15

41. What do you mean by adaptation?

42. Define evolution.

43. What are the gases responsible for global warming?

44. What is ozone layer?

45. What is biogeochemical cycle?

46. What do you mean by pesticide pollution?

47. Define photochemical smog.

48. What is biological magnification?

49. What are the 'seral' stages of ecological succession?

50. What do you mean by environmental management?

51. Define sustainable development.

52. What is pathogen?

53. Define conservation.

54. What do you mean by population explosion?

55. Define pollution.

UNIT—III

(Marks : 20)

Answer the following questions briefly : 2×10=20

- 56.** Explain with examples 'National Parks' and 'Biosphere Reserves'.

57. Write the role of forest in soil conservation.

58. Define ecosystem. What are the components of ecosystem?

59. Define succession. What are the different types of succession?

60. Define intercropping and rotation of crops.

61. Differentiate between primary and secondary pollutants.

62. Write a note on the role of NGOs in environmental awareness.

63. Write down the objectives of National Green Tribunal.

64. Write down the causes of water pollution.

65. Write a note on occupational health hazards.

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