

2016/ODD/13/34/BPH-310/545

UG Odd Semester (CBCS) Examination,
December—2016

PHARMACEUTICAL SCIENCE

(3rd Semester)

Course No. : BPHCC-310

(**Environmental Science**)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

UNIT—I

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

1. *Cacti* and *Euphorbias* are found in

- (a) grassland biome
- (b) desert biome
- (c) Taiga biome
- (d) None of the above

2. Which one of the following is a gaseous cycle?

- (a) Carbon cycle
- (b) Sulphur cycle
- (c) Hydrological cycle
- (d) None of the above

3. Climax community means

- (a) seral stage
- (b) transitional stage
- (c) pioneer stage
- (d) final stable stage

4. 'Rainbow Warrior', a ship, was sent to stop killing of whales by

- (a) Greenpeace
- (b) Assam Science Society
- (c) BNHS
- (d) WWF

5. The Environment (Protection) Act was promulgated in

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

6. The river Barak originates in

- (a) Nagaland
- (b) Manipur
- (c) Myanmar
- (d) Mizoram

7. The Bhopal Gas Tragedy was caused by the toxicant

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

8. A city with population of 100000 and above is classed as

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

9. A pond is

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

10. 'Son Beel', the largest wetland, is located in

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

11. The first life on the Earth is named as

- (a) fungi
- (b) bacteria
- (c) amoeba
- (d) None of the above

12. Sulphur dioxide is a

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

13. Birds and mammals first appeared in

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

14. The percentage of oxygen in air is

- (a) 21%
- (b) 26%
- (c) 39%
- (d) 28%

15. Heterotrophs are

- (a) consumers
- (b) autophytes
- (c) decomposers
- (d) None of the above

16. Coal mine workers suffer from

- (a) anthracosis
- (b) tuberculosis
- (c) byssinosis
- (d) None of the above

17. The term 'biosphere' was first proposed by

- (a) Eduard Suess
- (b) Darwin
- (c) V. Vernadsky
- (d) None of them

18. The Save Silent Valley Movement was spearheaded by

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

19. 'Sahara Africa' is a/an

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

20. Symbiosis is a

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

21. Identify the Canadian NGO.

- (a) Probe International
- (b) Friends of the Earth
- (c) Environmental Defence Council
- (d) Survival International

22. Anti-Arrack Movement was organized in

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

23. DDT is

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

24. Biofertilizers include

- (a) potash and superphosphates
- (b) nitrates
- (c) microorganisms
- (d) All of the above

25. The Chernobyl Accident occurred in

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

26. Lead pollutant is generated by

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

27. The unit of radioactivity is

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

28. The Biodiversity Convention had

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

29. The Earth Summit, 1992 was held in

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

30. Giardiasis is caused by

- (a) protozoan parasite
- (b) virus
- (c) bacteria
- (d) helminth parasite

31. The Minamata Disaster is caused due to

- (a) methyl mercury
- (b) sulphur dioxide
- (c) methyl cyanate
- (d) All of the above

32. Legumes are planted for

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

33. Excess nitrogen can cause

- (a) muscle fatigue
- (b) cardiac disorders
- (c) methyl nitrosomania
- (d) None of the above

34. Minute floating plants, mostly algae, are called

- (a) phytoplanktons
- (b) macrophytes
- (c) zoophytes
- (d) None of the above

35. Biotic resource includes

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

36. Sierra Club is a prominent organization of

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

37. Mehao Wildlife Sanctuary is located in

- (a) Arunachal Pradesh
- (b) Assam
- (c) Nagaland
- (d) Meghalaya

38. Identify the sustainable forestry practice.

- (a) Cutting mature trees only
- (b) Clear-cut timber logging
- (c) Cutting riverside forests
- (d) Planting more commercially valuable species

39. Public Liability Insurance Act was enacted in

- (a) 1991
- (b) 1999
- (c) 1985
- (d) None of the above

40. Chamoli district is situated in the drainage basin of the

- (a) Alaknanda river
- (b) Mandakini river
- (c) Kaliganga river
- (d) None of the above

UNIT—II

Answer the following questions :

1×10=10

41. Define pathogen.

42. Define NGO.

43. What do you mean by sustainable development?

44. Define acid rain.

45. What is photochemical smog?

46. What are the gases responsible for global warming?

47. What is biological magnification?

48. What do you mean by adaptation?

49. What do you mean by environmental management?

50. Define population explosion.

UNIT—III

Answer the following questions :

2×10=20

51. Define ecosystem. Who coined the term 'ecosystem'?

52. Write down the role of environmental education in generation of public awareness about environment.

53. Differentiate between sanctuary and national park.

54. Write down the role of forest in soil conservation.

55. What do you mean by intercropping and rotation of crops?

56. Differentiate between primary and secondary pollutants with examples.

57. Write a note on the objective of National Green Tribunal.

58. Write down the causes of water pollution.

59. Write a note on occupational health hazards.

60. Write a note on heavy metal pollution.

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