Weather, Climate and Adaptations of Animals to Climate

Practice Exercise

1. Area around the equator, which is heated by the direct rays of sun is:
(a) North pole   (b) South pole
(c) Frigid zone   (d) torrid zone
(e) None of these

2. Major elements of weather at a place are:
(a) Temperature   (b) Humidity
(c) Sunlight   (d) All the above
(e) None of these

3. Scientific study of weather is _____.
(a) Ornithology   (b) Pedology
(c) Meteorology   (d) Motley
(e) None of these

4. Animals which lives in polar region is:
(a) Musk ox   (b) Seal
(c) Penguin   (d) All the above
(e) None of these

5. The relative humidity is measured with an instrument:
(a) Barometer   (b) Ammeter
(c) Hygrometer   (d) Crescograph
(e) None of these

6. Which of the following is not an adaptation of polar bear?
(i) They have large ears.
(ii) They have a very strong sense of smell.
(iii) They are good swimmers.
(iv) Their feet are adapted for grasping the branches of trees firmly.
(a) (i) and (ii)   (b) (ii) and (iii)
(c) (i) and (iv)   (d) (iii) and (iv)
(e) None of these

7. Which of the following briefly describes tropical rainforests?
(a) Hot and dry   (b) Dry and humid
(c) Cold and dry   (d) Hot and wet
(e) None of these

8. Birds are adapted to fly because of:
(a) Light bones

(b) Streamlined body
(c) Feathers and wings
(d) All the above
(e) None of these

9. A place is known to have a hot climate, then which of the following factors is not responsible for the hot climate?
(a) Distance of that place from the equator.
(b) Humidity in the air.
(c) Population of that place.
(d) Distance of that place from the sea.
(e) None of these

10. A region with dense vegetation of trees, shrubs, herbs and also a variety of animals like elephants, lions, birds, etc. is a:
(a) Temperate region   (b) Frigid region
(c) Coastal region   (d) Tropical region
(e) None of these

11. ____ instrument is used to measure the amount of rain which falls.
(a) Richter scale   (b) Barometer
(c) Rain gauge   (d) Thermometer
(e) None of these

12. The given characteristics best represent which of the following zone?
(i) Is bounded on the north by tropic of cancer.
(ii) Are regions of earth surrounding the equator.
(iii) Consists of rainforests, dry deciduous forests, desert etc.
(iv) Is bounded in south by tropic of Capricorn.
(a) Polar region   (b) Temperate zone
(c) Torrid zone   (d) Frigid zone
(e) None of these

13. ___ region is the coldest region.
(a) Tropical   (b) Temperate
(c) Frigid   (d) Coastal
(e) None of these

14. Few characteristics of an animal are given below.
(i) Red-eyes
(ii) Very good eye-sight
(iii) Sticky pads on its feet
(iv) Get food from fruits
Which of the above characteristics does not belong to red-eyed frog?
(a) (i)   (b) (ii)
(c) (iii)   (d) (iv)
(e) None of these

15. Animal with silver-white 'mane' which surrounds its head from the cheecks down to its chin.
(a) Lion
(b) Elephant
(c) Lion-tailed Macaque
(d) Musk ox
(e) None of these

16. These animals have a highly developed sense of smell, can run very fast, have long, strong and sharp claws in their front legs to catch their prey.
(a) Toucans   (b) Big cats
(c) Elephants   (d) Monkeys
(e) None of these

17. Highest day temperature and lowest night temperature of the day explains:
(a) Only maximum temperature recorded daily in the weather report.
(b) Only minimum temperature recorded daily in the weather report.
(c) Maximum and minimum temperature recorded in the weather report.
(d) All the above
(e) None of these

18. ___ and ___ conditions can describes the desert climate.
(a) Wet, cold   (b) Hot, humid
(c) Hot, wet weather   (d) Hot, dry
(e) None of these

19. Long inactivity and metabolic depression of animals during summer is known as _____.
(a) Hibernation   (b) Aestivation
(c) Migration   (d) Camouflage
(e) None of these

20. Which of the following is the circle of latitude that is near the frigid zone of earth?
(a) Tropic of caner   (b) Arctic circle
(c) Tropic of Capricorn (d) All the above
(e) None of these

21. Which of the following provides insulation to penguins against the cold?
(a) Feathers   (b) Thick skin
(c) Fat under the skin   (d) All the above
(e) None of these

22. Which of the following features does not belong to Toucan?
(a) Can change colour of its feathers.
(b) Get food from the fruits.
(c) Feet are adapted for grasping the branches of trees.
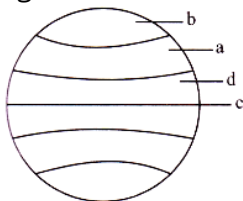(d) Also known as beard ape.
(e) None of these

23. Match the following:

	Column A		Column B
(i)	Toucan	(A)	Long, strong and sharp claws
(ii)	Penguin	(B)	Beard ape
(iii)	Tiger	(C)	Flipper-like wings
(iv)	Lion-tailed macaque	(D)	Change the colour of its feathers

(a) (i - C), (ii - D), (iii - A), (iv - B)
(b) (i - B), (ii - C), (iii - A), (iv - D)
(c) (i - D), (ii - C), (iii - A), (iv - B)
(d) (i - D), (ii - A), (iii - C), (iv - B)
(e) None of these

24. Polar bears show camouflage due to:
(a) Padded feet   (b) Thick fur
(c) White fur   (d) Two layers of fat
(e) None of these

25. Camouflage shown in lion is due to:
(a) Long, sharp claws
(b) Sense of smell
(c) Yellow -brown colour
(d) Fast running
(e) None of these

26. Choose the correct option for the given figure?

(a) a-temperate zone, b-torrid zone, c-equator, d-frigid zone
(b) a-frigid zone, b-temperate zone, c-equator, d-torrid zone
(c) a-temperate zone, b-equator zone, c-torrid zone, d-frigid zone
(d) a-temperate zone, b-frigid zone, c-equator, d-torrid zone
(e) None of these

27. Average weather pattern of many years describes:
(a) Precipitation   (b) Climate
(c) Humidity   (d) Rainfall
(e) None of these

28. Important feature of tropical region is:
(a) Dry weather   (b) Hot climate
(c) Snowfall   (d) All the above
(e) None of these

29. Which of the following can protect the birds living in polar region from extreme cold?
(a) Tail feathers   (b) Migration
(c) Claws   (d) Beaks
(e) None of these

30. Temperature, humidity and rainfall are _____ of the weather.
(a) States   (b) Compounds
(c) Seasons   (d) Elements
(e) None of these

31. Which of the following is not a function performed by the meteorological department?
(a) It makes weather prediction.
(b) It issues various national and zonal alerts like cyclone, tsunami information.
(c) It provides monsoon and rainfall reports.
(d) It provides information about endangered animal species.
(e) None of these

32. Penguins keep themselves warm by:
(a) Their black and white colour.
(b) Their thick skin.
(c) Huddle together.
(d) Both (b) and (c)
(e) None of these

33. Animal which does not belong to tropical region?
(a) Apes   (b) Leopards
(c) Elephants   (d) Monkeys
(e) None of these

34. Which of the following is shown by humidity?
(a) Moisture   (b) Carbon dioxide
(c) Air pollutants   (d) Rainfall
(e) None of these

35. In which region the sun does not rise for six months and does not set for the other six months?
(a) Northern regions   (b) Southern regions
(c) Polar regions   (d) Equator regions
(e) None of these

36. Which the following animals migrates?
(a) Butterfly   (b) Algae
(c) Siberian crane   (d) All the above
(e) None of these

37. Weather vary over:
(a) Long period of time
(b) No time
(c) Very long period of time
(d) Very short period of time
(e) None of these

38. Maximum temperature of a day can be recorded in:
(a) Sunset   (b) Afternoon
(c) Early morning   (d) Late night
(e) None of these

39. ____country does not belongs to polar region.
(a) Iceland   (b) Canada
(c) Greenland   (d) Kenya
(e) None of these

40. The camel stores excess fat in which part of its body?
(a) Lungs   (b) Liver
(c) Hump   (d) Stomach
(e) None of these

Answers - Key				
1. D	**2.** D	**3.** C	**4.** D	**5.** C
6. C	**7.** D	**8.** D	**9.** C	**10.** D
11. C	**12.** C	**13.** C	**14.** D	**15.** C
16. B	**17.** C	**18.** D	**19.** B	**20.** B
21. D	**22.** D	**23.** C	**24.** C	**25.** C
26. D	**27.** B	**28.** B	**29.** B	**30.** D
31. D	**32.** D	**33.** E	**34.** A	**35.** C
36. C	**37.** D	**38.** B	**39.** D	**40.** C