



Summative Assessment – II (SA – 2) March - 2013

SCIENCE

Class : VII

Max time : 3Hrs

Date : 12/03/2013

Max. marks : 90

General Instructions :

1. This question paper comprises of two sections. **Section A and Section B.** You are to attempt both the sections.
2. **All** questions are compulsory.
3. There is no overall choice.
4. All questions of Section A and all questions of Section B are to be attempted separately.
5. Question numbers **1 to 3** in section A are **one** mark questions. These are to be answered in one word or one sentence.
6. Question numbers **4 to 7** are **two** mark questions, to be answered in about **30** words each.
7. Question numbers **8 to 19** are **three** mark questions, to be answered in about **50** words each.
8. Question numbers **20 to 24** are **five** mark questions, to be answered in about **70** words each.
9. Question numbers **25 to 42** in section B are multiple choice questions based on practical skills. Each question is one mark question. You are to choose one most appropriate response out of the four provided to you.

Section – A

One Mark Questions:

1. What is the name given to the wind with a speed of 120km/hr in China sea?
2. What are lenticels?
3. Give an example of a food chain.

Two Marks Questions:

4. What are the factors responsible for water depletion ?
5. (a) What is sludge?
(b) What is the function of screens in a waste water treatment plant?
6. Holes are made in hanging banners and hoardings. Why ?
7. What is a septic tank ? Where is it used ?

Three Marks Questions:

8. (a) What are spherical mirrors ?
(b) Which are the different types of spherical mirrors? Give one use of each.



- (a) What is an electric fuse ? Why is it called a safety device?
(b) What are the characteristics of a fuse wire ?
11. Explain Girdling experiment.
12. Complete the following table :

Cell / Tissue	Function
Xylem	(a) -----
(b) -----	Blood cell that transport oxygen
Platelets	(c) -----

13. Write an activity to show that increased wind speed is accompanied by reduced air pressure.
14. Differentiate between aerobic and anaerobic respiration.
15. Draw a neat labelled diagram of human excretory system.
16. What are the functions of a fruit with reference to a plant.
17. As a responsible individual, give three ways to conserve water.
18. (a) Define deforestation.
(b) Explain how forests check flood.
19. Which are the different ways to distinguish between concave and convex lens? Explain

Five Marks Questions:

20. (a) Explain cutting and tissue culture.
(b) What are the advantages of vegetative reproduction?
21. (a) A forest is a dynamic living entity. Explain
(b) Why are forest being cut these days?
22. (a) How can you prove that a convex lens converges the sunrays to a single point ?
(b) What is a nichrome wire? To what use it put to ?
23. (a) Differentiate between breathing and cellular respiration.
(b) Why does an athlete breathe faster after running fast?
(c) What is the normal breathing rate at rest?



SECTION B

Multiple Choice Questions:

25. The last step in waste water treatment is a _____ process.
(a) Biological (b) Mechanical (c) Chemical (d) Physical
26. The property of light travelling in a straight line is called
(a) Curvilinear propagation of light.
(b) Rectilinear propagation of light
(c) Both (a) and (b)
(d) None of these
27. _____ every year is celebrated as the World water day.
(a) Jan 22 (b) May 22 (c) May 27 (d) March 22
28. Addition of aerobic bacteria in waste water treatment is in
(a) Primary stage (b) Secondary stage
(c) Tertiary stage (d) None of these
29. What is shown in the diagram?



- (a) Budding (b) Regeneration (c) Binary fission (d) Spore formation
30. Only _____ percentage of total water resources of the world consists of fresh water, and is known as the usable water.
(a) 3.6 (b) 4.6 (c) 2.6 (d) 5.6
31. The system of winds which moves from sea towards the land in the latitude of 5° to 30° is known as
(a) Monsoon (b) Tornado (c) Typhoon (d) None of these
32. Which of the following is the purest form of water?
(a) River water (b) Rain water (c) Ground water (d) All of these
33. Alveoli are structures present in
(a) Bronchi (b) Gills (c) Lungs (d) All of these
34. Which of the following places is likely to be affected by a cyclone?
(a) Kanyakumari (b) Amritsar (c) Bhopal (d) Bangaluru



35. The process of loss of water vapour from the leaves of plants is called
(a) Transpiration (b) Transportation (c) Evaporation (d) None of these

36. The modified swollen under ground stem of Ginger is known as
(a) Runner (b) Rhizome (c) Layering (d) Grafting

37. Water present in earth, as in well and spring is
(a) Ground water (b) Surface water
(c) Clarified water (d) None of these

38. The fuel for Hurricane is
(a) Warm water vapour (b) Cloud
(c) Rain (d) Wind

39. Which of the following activities use maximum water?
(a) Industry (b) Agriculture (c) Domestic use (d) None of these

40. Which of the following is not a forest product?
(a) Plywood (b) Gum (c) Sealing wax (d) Kerosene

41. Electric bell is the
(a) Direct application of an electromagnet
(b) Direct application of electric current
(c) Neither (a) and (b)
(d) None of these

42. Which disease is not caused by drinking polluted water?
(a) Cholera (b) Diabetes (c) Typhoid (d) Hepatitis

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