**BRILLIANT CBSE SCHOOL**

**PATTUKOTTAI**

**SUMMATIVE ASSESSMENT-II**

**Class: V Marks: 90**

**Subject: Science Time: 2hrs 30mins**

I. Choose the correct answer. (15x1=15)

1.\_\_\_\_\_\_\_\_\_\_\_\_\_ rocks are formed from magma.

a. Metamorphic b. Sedimentary c. Igneous d. Both a and b

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is also called black gold.

a. Basalt b. Coal c. Petroleum d. Slate

3. \_\_\_\_\_\_\_\_\_\_\_ is the middle layer of the soil.

a. Bedrock b. Subsoil c. Topsoil d. All of these

4. Which of these is the most fertile layer of soil?

a. Subsoil b. Bedrock c. Topsoil d. All of these

5. Soil can be conserved by

a. afforestation b. terrace farming c. embankments d. all of these

6. Which of these is not a layer of the atmosphere?

a. Troposphere b. Stratosphere c. Mesosphere d. Biosphere

7.\_\_\_\_\_\_\_\_\_\_ is the most abundant gas in the atmosphere

a. Oxygen b. Nitrogen c. Carbon dioxide d. Argon

8. Which of these gases is essential for the survival of living organisms?

a. Oxygen b. Nitrogen c. Argon d.Helium

9. Which of these heavenly bodies have been visited by humans?

a. Venus b. Mars c. Moon d. Jupiter

10. The moon is about \_\_\_\_\_\_\_\_\_\_ million years old.

a. 3500 b. 4000 c. 4500 d. 5000

11. The surface of the moon has\_\_\_\_\_\_\_\_\_\_\_

a. dust b. craters c. mountains d. all of these

12. \_\_\_\_\_\_\_\_\_\_\_ is an essential nutrient for living things.

a. Oxygen b. Hydrogen c. Nitrogen d. Carbon dioxide

13. Which of the following is caused by air pollution ?

a. Cholera b. Global warming c. Acid rain d. Both b and c

14. Which of the following is not a greenhouse gas?

a. Methane b. Water vapour c. Ozone d. Oxygen

15. Van Mahotsava is celebrated every year on\_\_\_\_\_\_\_\_\_\_\_\_.

a. 25th July b. 1st July c. 31st July d. 30th July

II. Fill in the blanks. (15x1=15)

[sub soil, topsoil, atmosphere, hills, filtration, exosphere, ramps, mechanical force, Neil Armstrong, moon, magma, hurricane, tsunami, water vapour, living]

16. Plants receive all the nutrients from **\_\_\_\_\_\_\_\_\_\_\_\_**.

17. The **\_\_\_\_\_\_\_\_\_\_** contains very less humus.

18. Terrace farming is done in the **\_\_\_\_\_\_\_\_\_\_\_**.

19. The layer of air around the earth is known as **\_\_\_\_\_\_\_\_\_\_.**

20. **\_\_\_\_\_\_\_\_\_** is the outermost layer of the atmosphere.

21. **\_\_\_\_\_\_\_\_\_\_** is used to remove light suspended impurities from water.

22. A pair of scissors applies **\_\_\_\_\_\_\_\_\_\_** while cutting a piece of cloth.

23. Inclines planes called **\_\_\_\_\_\_\_\_\_\_** are provided in all hospitals.

24. The **\_\_\_\_\_\_\_\_\_** is the only natural satellite of earth.

25. **\_\_\_\_\_\_\_\_\_\_** was the first person to go into space.

26. A **\_\_\_\_\_\_\_\_\_\_** is a tropical storm in the southern USA.

27. Hot molten rocks inside the earth are called **\_\_\_\_\_\_\_\_\_\_**.

28. A\_\_\_\_\_\_\_\_\_\_is an enormous wall of water that comes on to the seashore.

29. Butterflies are the **\_\_\_\_\_\_\_\_\_** components of the environment.

30. **\_\_\_\_\_\_\_\_\_\_\_\_** is known to be earth’s most abundant greenhouse gas.

III. State **TURE** or **FALSE** (10x1=10)

31. Limestone contains the mineral calcite.

32. Running water causes the least amount of soil erosion.

33. The ozone layer absorbs the harmful ultraviolet rays of the sun.

34. Water does not absorb heat.

35. Aryabhatta was India’s first artificial satellite.

36. The sun and the moon are of the same size.

37. Very hot molten rocks that come out of a volcano are called lava.

38. Droughts occur when rivers spill over their banks.

39. Rocks are made up of minerals.

40. Leaving the soil bare helps conserve the soil

IV. Answer any **TEN** questions. (10x2=20)

41. What are rocks? Name the types of rocks found on earth.

42. How is shale formed? Where is it used?

43. Define the term ‘soil profile”.

44. Differentiate between topsoil and subsoil.

45. What is atmosphere?

46. List the properties of air.

47. Define magnetic force.

48. What are simple machines?

49. Name the first human to land on the moon.

50. Objects weigh less on the moon than they do on the earth.Why?

51. What is an earthquake?

52. Name some sources of noise pollution.

V. Answer any **SIX** questions. (6x5=30)

53. How was coal formed?

54. How do water and wind act as agents of soil erosion?

55. Give any three benefits of the atmosphere.

56. What is a lever? What are the three things in a lever?

57. Write any three uses of artificial satellites.

58. Explain how volcanoes are formed.

59. Explain the phenomenon of greenhouse effect.