

KENDRIYA VIDYALAYA SANGATHAN – BANGALORE REGION
SUMMATIVE ASSESSMENT II (MARCH 2011)

CLASS: VII
SUB: SCIENCE

MAX MARKS: 60
TIME: 2½ hours

General Instructions:

- (i) The question paper comprises of two Sections, A and B. You are to attempt both the sections.
- (ii) All questions are compulsory.
- (iii) There is no choice in any of the questions.
- (iv) All questions of Section-A and all questions of Section-B are to be attempted separately.
- (v) Question numbers 1 to 3 in Section-A are one mark questions. These are to be answered in one word or in one sentence.
- (vi) Question numbers 4 to 10 in Section-A are two marks questions. These are to be answered in about 30 words each.
- (vii) Question numbers 11 to 16 in Section-A are three marks questions. These are to be answered in about 50 words each.
- (viii) Question numbers 17 to 19 in Section-A are five marks questions. These are to be answered in about 70 words each.
- (ix) Question numbers 20 to 29 in Section-B are multiple choice. Each question is a one mark question. You are to select one most appropriate response out of the four provided to you.

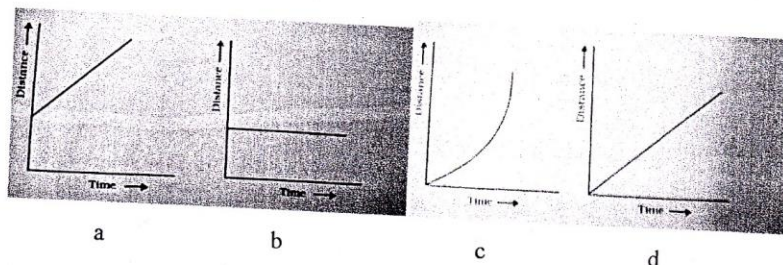
Section-A

1. Name two types of vascular tissues in plants.
2. A simple pendulum takes 34 seconds to complete 20 oscillations. What is the time period of the pendulum?
3. Sketch the stamen of a flower and label the parts.
4. List the differences between aerobic and anaerobic respiration.
5. A boy cycled down from his house to the market at a speed of 16 km/h and reached there in 15 minutes. How far is the market from his house?
6. a) Name any two effects of electric current.
b) Draw the symbols to represent the components of electric circuit.
i. Battery ii. Bulb
7. Differentiate between a real image and a virtual image.
8. Sketch the cross section of soil and label various layers.
9. Differentiate between arteries and veins.

10. Define weathering. List the factors on which the nature of soil depends.
11. Explain the respiratory system in cockroach.
12. Explain why there is a need for variety of plants and animals in a forest.
13. Write the functions of speedometer and odometer.
14. State the differences between a convex and concave lens.
15. a) What do you mean by drip irrigation?
b) Define an aquifer.
16. Draw a diagram of the human excretory system and label its parts.
17. Describe the various ways by which seeds are dispersed.
18. a) What is an electromagnet? Give two applications of electromagnets.
b) What is an electric fuse? What is its importance?
19. a) Describe the steps involved in getting clarified water from waste water.
b) Name two chemicals used to disinfect water.

Section-B

20. Which of the following soils has the highest percolation rate?
a) Loamy soil (b) Sandy soil (c) Clayey soil (d) Mixture of loam and clay
21. The muscular floor of chest cavity is called
a) Ribs (b) lungs (c) diaphragm (d) trachea
22. Which of the components of blood contains haemoglobin?
a) Plasma (b) red blood cells (c) white blood cells (d) platelets
23. Ferns reproduce through
a) Budding (b) fragmentation (c) Seeds (d) Spores
24. Which of the following distance time graphs shows a car parked on a road side?



25. A virtual image larger than the object can be formed by
a) Concave lens (b) concave mirror (c) convex mirror (d) plane mirror
26. The process of seeping of water into the ground is called
a) Condensation (b) infiltration (c) transpiration (d) precipitation
27. Microorganisms act upon the dead plant and animal tissues to produce
a) Sand (b) mushrooms (c) humus (d) wool
28. World water day is celebrated on
a) 22nd March (b) 5th June (c) 1st December (d) 14th November
29. Roof of the forest made by branches of tall trees is known as
a) Canopy (b) crown (c) understoreys (d) none of these