

Annual Examinations for Primary Schools 2021

Year 5

SCIENCE (Replacement Question)

Time: 60 minutes

Name: _____

Class: _____

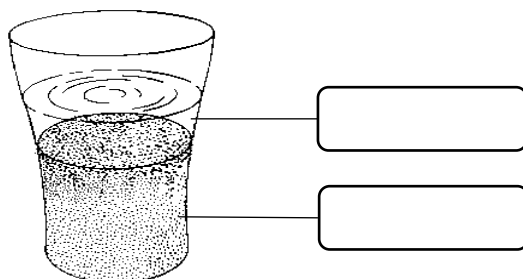
Note to Students:

Cross out Question 3.

The following question is replacing Question 3 in the examination paper booklet.

10. David and Sarah are at the beach. They collect a mixture of **seawater** and **sand** in a cup. After a few minutes they observe two layers in the cup, as shown in the diagram below.

a) Label the diagram below to show the substances in the mixture.

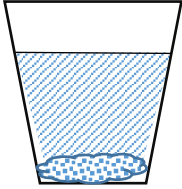
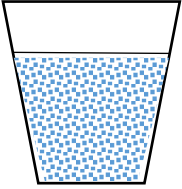
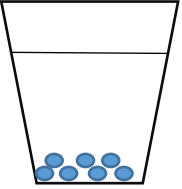
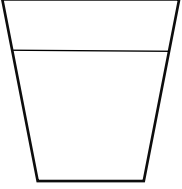


(2 marks)

b) Sarah investigates what happens when four different substances namely, **metal balls**, **vitamin C tablet**, **sugar** and **soil** are mixed with water in four separate containers.

She prepares four mixtures in different containers, A to D.

After 15 minutes, Sarah notes down her observations as shown in the following table.

Container A	Container B	Container C	Container D
			
A cloudy liquid with brown solid pieces at the bottom.	A coloured liquid with bubbles.	A colourless liquid with solid pieces at the bottom.	A colourless liquid.

i. Match container A to D, to the substance tested.

Write the **letter** of the container under each substance below.

metal balls

vitamin C tablet

sugar

soil

(4 marks)

ii. Sarah observes that the metal balls are not attracted to a magnet.

Tick (✓) the **correct** statement to justify Sarah's observation.

All metals are magnetic. Sarah has carried out the investigation incorrectly.

The metal balls are made from a non-magnetic metal.

(2 marks)