31.03.2016

Grade-9.



1st Term Test - 2016

Grade - 9 Science

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Amouser	all	tha	questions.
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Underline the correct answer.

- (1) Select the vector quantity.

 y Distance 2) Speed 3) Force 4) Time.
- (2) The first astronomer who forwarded the heliocentered idea,

 i) Pythagorus 2) copernicus 3) Aristorcus 4) Aristotle.
- (3) The most suitable equipment to observe micro-organisms in a sample of water.
 - 1) Simple microscope 2) Handlens 3) Optical microscope
 - 4) Binocular.
- (4) When you heat a substance in a crucible, the crucible should be kept,
 - 1) on a stand 2) on a watch glass.
 - 3) on a tripod 4) on a clay traingle.
- (5) In which disease the Anopheleus mosquito acts as a vector.

 i) Filaria 2) Malaria 3) Dengue 4) Rabies.

P-sboxe
(6) Readings can be taken by the voltmeter and the ammeter
that are connected to the circuit respectively,
i) current and potential difference.
2) Resistance and current
3) Potential difference and current
4) Potential difference and resistance.
(7) What are the changes occured in carbohydrates and lipids
during food spoilage.
) Fermentation, Randdiffication
2) Rancidification, Putrefaction.
3) Rancidification, fermentation
4) Fermentation, Putrefaction.
(8) Two diseases caused by bacteria.
1) Aluham, diarrhoea 3) Typhoid, Influenza
2) Tuberculosis, Robies 4) Tuberculosis, Syphilis.
(9) Least amount of mass can be measured by the chemical balance is,
1) 0.19 2) 0.0019 3) 0.019 4) 0.00019.
(10) The instrument in the laboratory which cannot be used to measure mass.
1) spring balance 2) Triple beam balance
3) chemical balance 4) watch glass.
(2×10 = 20)

Answer all the Questions

- 1 . Students of grade 9 have to do an activity to show that scientiff method is most suitable to solve problems. Their problem was "the electric fan in the class did not work when it is switch
 - i) Draw a flow chart to represent the steps of the scientific met
 - ii) Who introduced the scientific method?
 - iii) Write zassumptions that can be made by the students for the above problem.
 - iv) What is control experiment?
 - V) Write the 4 main systems in an optical microscope.
 - vi) If the magnifying power of the eye piece lans of a light microscope is X15 and the magnifying power of the
 objective lenses are X20, X10, X15, find the maximum
 magnification,
 - vi) Write 4 instances where we use a simple microscope.
- 2 Micro-organisms are useful for our daily activities as well as they become harmful.
 - i) Write 5 products made by using the micro-organisms except the industry given below.
 - ii) Name A, B, C, D in the following process.
 - (A) Ethyl Alcohol fermentation
 - (c) (D) Acitic acid.
 - iii) What is artificial vinegar available in the market?
 - iv) Write 2 harmful effects of micro-organisms
 - v) Write 3 methods of spreading causative agents and write

	a dise	ease	spread	l by e	ach m	ethod.		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
jb	vi) Wha	t is	an antib	piotic ?		Peaboip	35 240	s Studes	
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	(II) No	me :	the fo	ollowing	labora	tory e	quipmen	t8 ,	· ····· · · ·
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c)				d) .	* •		
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