JB Academy, Faizabad Summative Assessment – I 2016-17 Class VII (Subject : Science)

Time	e : 03 hrs. 1. Read all the questions 2. Draw diagrams where	3	: Science)	MM-100	
Q1.	Answer in one sentence:			1x10=10	
	a) Which property of silk makes it so attractive?				
	b) Complete the equat	ion :			
	CuSO₄ + Fe →				
	c) Is a physical change reversible or irreversible change?				
	d) What causes irritation and swelling after a bee sting?				
	e) What are ruminants?				
	f) Name one method b				
	g)Give one example of				
	h) Which property of r	?			
	i) State one ill-effect o				
	j) Give one example of				
Q2.	Solve the following:			2x3=6	
	a) -60 $^{\circ}$ C to $^{\circ}$ F	b) 40 ⁰ F to ⁰ C	c) 100 ⁰ C to ⁰ F		
Q3.	Write chemical formula of the following names:			1x4=4	
	a) Blue vitriol	c) Common salt			
	b) Sulphuric acid	d) Milk of magnes	sia		
Q4.	Differentiate the following giving two points. (any four)			2x4=8	
	a) Clinical and laboratory thermometer.				
	b) Natural and synthetic fibre.				
	c) Land breeze and sea breeze.				
	d) Partial and total parasites.				
	e) Mineral acid and or				
Q5.	Answer the following question:			3x5=15	
	a) What will happen when baking soda is added to vinegar? Write equation of the reaction				
	b) What are villi and where they are located? What is the function of villi?				
	c) What is the function of following teeth:				
	(i) Incisors (ii) canines (iii) molars				
	d) What are indicators? Write its two properties.				
	e) Mention any three problems faced by the workers associated with wool and silk indust				

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Q6. Give reason of any four statements:

a) Pickles and jams are not stored in metal jars.

b) Frying pans is made of metal and the handle of frying pan is made up of plastic or wood.

c) Burning of wood and cutting of wood into small pieces are considered as two different types of changes.

d) Digital thermometer is preferred over mercury thermometer.

e) Yellow curry stain on a white shirt turn red when it is washed with soap.

- Q7. Answer the following:
 - a) Describe briefly, how wool is obtained from sheep and processed to make woollen yarn.
 - b) i) What is rusting of iron . Write equation to represent the process of rusting.

ii) Give three methods of preventing rusting of iron.

- c) Give description of the process of synthesis of food in green plants. What is the roll of chlorophyll in photosynthesis?
- d) Three solution A,B and C having p^H 3, 7 and 9.8 respectively. Now,

(i) What is neutralization reaction? Which above two solution will give neutralization reaction?

(ii) What will be the effect of blue litmus paper on solution A and B?

e) (i) Write one application each of conduction, convection and radiation.

(ii) How does thermos flask keeps drinks hot and cold for longer time period?

Q8.	i) When is world water day is celebrated and why is it celebrated?	2			
	ii) What is the effect of water scarcity on plants?				
	iii) What is rain water harvesting? Write its two advantages.	3			
	iv) What is drip irrigation? How it is beneficial to farmers?	2			
Q9.	Two different species of plants X and Y live together as if they are the parts of the same plant Z. The plant X is an autotroph whereas plant Y is a saprophyte. The plant Y holds the X in its mat of web-like hyphae and supplies water and minerals to cells of plant X. The plant X makes food by photosynthesis and shares it with plant Y.				
	a) what could plants i) X ii) Y iii) Z	3			
	b) Which of the two plants X or Y, is green in colour?	1			
	c)Which type of relationship is shown by plant X and Y?	1			
	d) Give another example of this type of relationship.	1			
	e) What do you mean by saprophyte?	2			

Q10. i) Draw a labelled diagram of the human digestive system. (5+3)ii) Name and write functions of the gland associated with human digestive system.

5x5=25