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	INDIAN SCHOOL MUSCAT MIDDLE SECTION ANNUAL EXAMINATION 2019 – 20	
	<u>SUBJECT - SCIENCE –SET B</u>	Code:MXSC13
CLASS 6		Time Allotted: 2 ½ hrs
01.03.2020		Max .Marks: 80
<p>General Instructions.</p> <p>1.The question paper comprises of three sections A ,B& C. You have to attempt all the sections.</p> <p>2.All the questions are compulsory.</p> <p>3.All the answers should be written in the answer sheet provided.</p>		

Q.NO1	<u>SECTION ‘A’ – (‘1’ MARK EACH) – TOTAL – 20 MARKS</u>	Marks
(a)	(c) an Inverted and small image	1
(b)	(d) Silver and rubber	1
(c)	(b) Pull	1
(d)	(c) roughage	1
(e)	(a) filtration	1
(f)	(d) Nylon	1
(g)	(c) Jute	1
(h)	(b) Yak hair, camel hair	1
(i)	(b) Desert	1
(j)	(b) Closing of leaves of mimosa plant when touched	1
(k)	An object which produces light is called a luminous object	1
(l)	Tap water contains dissolved salts in it. These salts dissociates into ions when electricity passed through it which are responsible for the electricity conductivity of tap water.	1
(m)	Back bone (vertebrae) protects the spinal cord.	1
(n)	People who eat sea food do not suffer from goiter because the nutrient’s present in seafood are protein, Iodine, etc. and goiter is a disease caused by the lack of nutrient Iodine which is present in a large quantity in seafood’s like fish, salt, etc.	1
(o)	Filtration is a method for separating an insoluble solid from a liquid.	1
(p)	The process of making yarn from fibres is called Spinning.	1
(q)	There are two types of looms: handlooms and power looms. A loom that is worked by hand is called a handloom, and a loom that works on electric power is called a power loom.	1

(r)	The presence of specific features or certain habits, which enable a plant or an animal to live in its surroundings, is called adaptation.	1
(s)	Fat is stored in camel's hump for use in emergency situations.	1
(t)	P.E teacher has plastic made tap scale to measure the length. Its total length is 100 meter.	1

Q.NO	<u>SECTION 'B' – ('3' MARKS EACH) – TOTAL – 30 MARKS</u>	Marks
(2)	<p>(i) Correct Statement: The color of the shadow of an object does not depend on its color of the object.</p> <p>(ii) Correct Statement: Transparent objects allow most of the light to pass through them OR Translucent objects allows light to pass through them partially.</p> <p>(iii) Image formed by a pinhole camera is inverted</p>	3
(3)	<p>(i) A dark area or shape produced by a body coming between rays of light and a surface.</p> <p>(ii) The three things to form a shadow are: I) A source of light. II) An opaque object to block the light. III) A surface behind the object to make the light fall on it.</p> <p>(iii) Shadow is formed when light is obstructed by an opaque object whereas Image is the reflection of light rays by an object.</p>	3
(4)	<p>(i) The difference between a cell and a battery is that a cell is a single unit that converts chemical energy into electrical energy, and a battery is a collection of cells.</p> <p>(ii) Insulators are used for safety. Insulators protect us from getting electric shocks. Insulators allow us to handle current-carrying wires, switches, plugs, sockets, and other electrical appliances safely.</p> <p>(iii) Purpose of electric switch is to complete or break the circuit.</p>	3
(5)	<p>(i) Lower jaw bone or mandible is the only movable bone in the skull.</p> <p>(ii) Our elbow cannot move backwards because it has hinge joints which only allow back to forth movements.</p> <p>(iii) Snail and Earthworm</p>	3
(6)	<p>(i) He is suffering from Night Blindness that is inability to see in dim light.</p> <p>(ii) Food component rich in Vitamin A were lacking in his diet that lead to deficiency of Vitamin A.</p> <p>(iii) He needs to include vitamin A rich food items like Carrots , leafy vegetables etc.</p>	3
(7)	<p>(i) Solution A Sarika will make a better salt solution. Solution B Mohan's solution would be saturated because in his case, some salt would remain undissolved and settled at the bottom of the glass.</p> <p>(ii) Saturated solution.</p>	3

	(iii)Solution B. Because solution B is unsaturated solution	
(8)	(i)Takli and Charkha are the two devices used for spinning. (ii)Cotton is obtained from the fruit part of plant and Jute is obtained from the stem of the plant (iii)The process of removing seed from cotton is called ginning.	3
(9)	(i) The most important abiotic factors include water, sunlight, oxygen, soil and temperature. (ii) Plants have deep roots that reach well into the earth. (iii) Desert, mountains examples of terrestrial habitat	3
(10)	(i)A pace or a footstep cannot be used as a standard unit of length because the length of footstep, forearm length and hand span of different person is different. (ii) Rectilinear motion is a motion of a particle or object along a straight line. (iii) An elastic measuring tape is stretchable. It cannot be used to measure distances because the length of the tape may change on stretching	3
(11)	(i) Motion of ceiling fan is circular motion and motion of a pendulum is periodic motion. (ii) A curved line or surface cannot be measured by a straight scale, a measuring tape or thread must be used instead. (iii) 1000 m =1km. Therefore 3000 m = 3km	3

Q.NO	<u>SECTION 'C' – ('5' MARKS EACH) – TOTAL – 30 MARKS</u>	Marks
(12)	(i) The complete path from one terminal of the electric cell through the bulb and back to other terminal of the electric cell is called an electric circuit. (ii) There are two types of electric circuits. Closed and open  (iii)	5
(13)	(i)The place where two or more bones meet in the skeleton is called a joint Ball and socket joint: Pivot Joint: (ii)Supports the body, facilitates movement. protects internal organs (iii) Cavity is the hollow space in the bones.	5
(14)	(i) Proteins are called 'building blocks' of body because they are needed for growth and repair of our body. (ii) Vitamins help in protecting our body against diseases. Vitamins keep our skin, bone teeth and eyes healthy. (iii) Scurvy happens when there is a lack of vitamin C; Rickets is caused by deficiency of Vitamin D.	5

(15)	<p>(i)Evaporation is a process where water changes into vapour. Condensation is the opposite process where water vapour is converted to tiny droplets of water.</p> <p>(ii) Filtration, Decantation, Distillation.</p> <p>(iii) The process in which water is removed when heavier component of mixture settles, it is called decantation.</p>	5
(16)	<p>(i)Cactus plant</p> <p>(ii) The leaves in desert plants are either absent, very small or present in the form of spines or thorns.</p> <p>Waxy coating on the leaves and stems reduces evaporation.</p> <p>Thick stems or other plant parts provide water storage space.</p> <p>(iii) aquatic habitats include ponds, lakes, rivers, streams, springs,</p>	5
(17)	<p>(i) a rocking chair, a bouncing ball, a vibrating tuning fork, a swing in motion</p> <p>(ii) Scientists all over the world have accepted a set of standard units for measurements. This system of units is called International System of Units (SI units). SI unit of length is meter (m) while for large distances; the unit is kilometer (km)</p> <p>(iii)A body is said to be at rest if doesn't change its position with respect to its surroundings while a body is said to be in motion if it continuously changes it's Position with respect to its surroundings.</p>	5

End of the question paper.