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**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
ANNUAL EXAMINATION 2019 – 20
SUBJECT – SCIENCE – SET B**



CLASS 7
02.03.2020

Code:MYSC09
Time Allotted: 2 ½ hrs
Max .Marks: 80

General Instructions.

- 1.The question paper comprises of three sections **A ,B& C**. You have to **attempt all** the sections.
- 2.All the questions are **compulsory**.
- 3.All the answers should be written in the **answer sheet** provided.

Q.NO1	<u>SECTION ‘A’ – (‘1’ MARK EACH) – TOTAL – 20 MARKS</u>	Marks
(a)	Muscle cramps are caused due to the accumulation of _____ in muscles. a. lactic acid b. acetic acid c. hydrochloric acid d. citric acid	1
(b)	This appliance does not work using the magnetic effect of electricity. a. electric motor b. electric kettle c. electric bell d. telephone	1
(c)	Pick out the fibre that is made of protein a. cotton b. jute c. coir d. wool	1
(d)	The digestion of which nutrient starts in the stomach a. vitamin b. protein c. carbohydrate d. fat	1
(e)	An image that can't be obtained on a screen is called a. virtual b. real c. enlarged d. shadow	1
(f)	The upper limit of groundwater at a place a. aquifer b. infiltration c. water table d. tube well	1
(g)	Chemicals that can be used to kill germs in water a. chlorine, oxygen b. ozone, chlorine c. bromine, chlorine d. fluorine, ozone	1
(h)	The cells of the blood that helps in clotting a. W.B.C b. R.B.C c. plasma d. platelet	1
(i)	_____ is an instrument that measures the speed of a vehicle. a. speedometer b. anemometer c. odometer d. thermometer	1
(j)	This plant reproduces through its leaves a. bryophyllum b. fern c. croton d. balsam	1
(k)	What are the products of aerobic respiration?	1

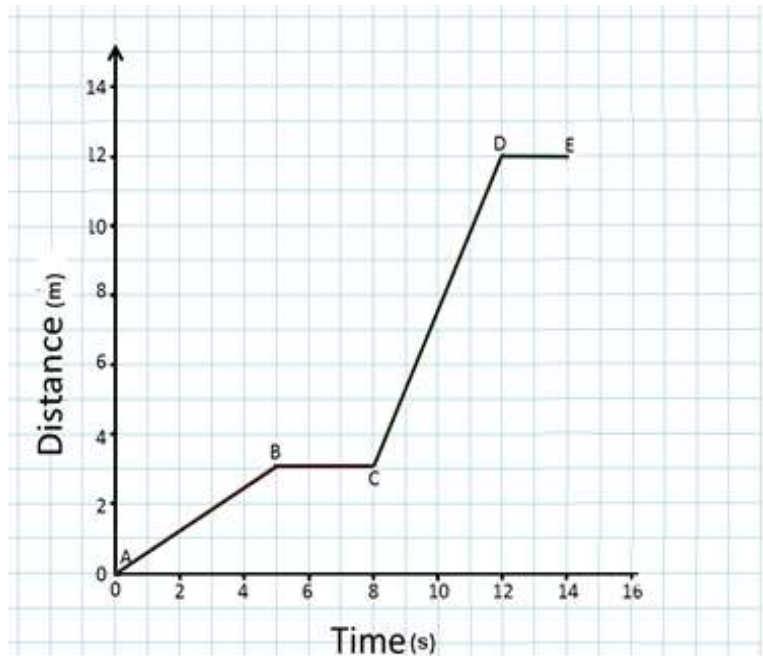
- (l) Which organ helps in the exchange of gases in a shark? 1
- (m) Why do we use a coil of wire rather than a straight wire as an element in an electric heater? 1
- (n) Why is scouring done in the processing of wool? 1
- (o) Which property of a convex lens is used in a magnifying glass? 1
- (p) What is potable water? 1
- (q) Chemicals such as paints, medicines and insecticides should not be thrown down the drains. Give reason. 1
- (r) What are thunderstorms? 1
- (s) Which blood vessel takes deoxygenated blood from the heart to the lungs? 1
- (t) Convert 90 Km/hr to m/s. 1

Q.NO	<u>SECTION 'B' – ('3' MARKS EACH) – TOTAL – 30 MARKS</u>	Marks
(2)	a. Which organism is added to grape juice to change it into wine? b. Why is this organism added? Or a. Where do the processes of breathing and respiration occur? b. Describe briefly how the process of inhalation takes place?	3
(3)	a. What is selective breeding? b. Which are the two types of fibres that form the fleece of sheep? c. Why shearing does not hurt the sheep?	3
(4)	a. What is the difference between a convex mirror and concave mirror?(one difference) b. Which mirror is used as rear view mirrors in cars. State the reason. c. Give two uses of concave mirror.	3
(5)	a. State any two ways by which you can prevent wastage of water at home. b. What is rain water harvesting?	3
(6)	a. How is sludge decomposed ? b. What is aeration? How does it help?	3
(7)	a. What is a cyclone? b. Why are there more chances of roofs of houses getting blown off whenever there is a storm? c. Give two safety measures that can be taken in case of a cyclone.	3
(8)	a. Why does wind make leaves flutter? b. What is direction in which wind will move? c. A flag mounted on a flag post on sea coast flutters in the direction of the sea. At what time does this happen, in the afternoon or at midnight? Why?	3

- (15) a. Draw the human excretory system and label the kidneys, ureter, urinary bladder and urethra. 5
 b. Why do we see white patches on our clothes when we sweat?

- (16) 5

Observe the distance-time graph of an object moving along a straight line and answer the questions given below.



- a. Calculate the speed of the object from C to D.
 b. What does B to C and D to E indicate?
 c. What is the distance travelled by the object in 13 seconds?
 d. Where is the body travelling with more speed A to B or C to D

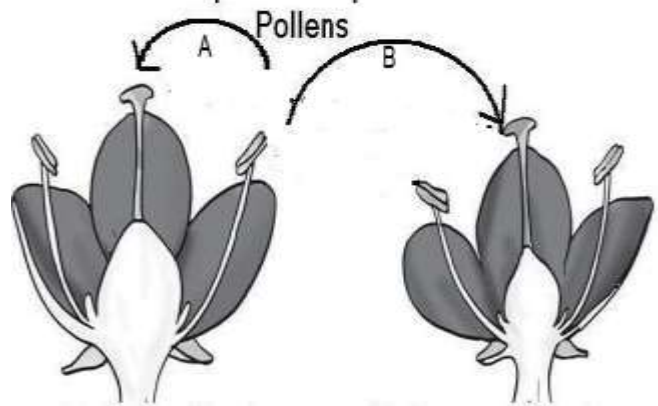
e. What type of motion is indicated in the graph?

- (17) a. What does process A and B indicate. 5

b. Differentiate between A and B. (one point)

c. Name and define the process after a pollen grain germinates?

c. What does the ovary and ovule develop into?



Or

a. How do the following reproduce 1) spirogyra 2) yeast 3) potato 4) rose plant.

b. What kind of reproduction is this? Why is it called so?

c. What is the advantage of this kind of reproduction?(any 2 points)

d. How do spores survive unfavourable conditions?

End of the question paper.