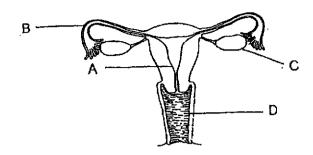


MAHA BODHI SCHOOL 2024 SCIENCE REVIEW 1 PRIMARY FIVE

				PRIMAR	RY FIV	/E		
Nam	e:_			·	()	Date:	24 April 2024
Class	s : Pr	imary 5						,
Dura	tion :	50 min						
Pare	Parent's signature :					Marks:	/ 30	
Fore	ach (question from	arks = 16 ma m 1 to 8, four 2, 3 or 4). Wi	ontions or	re give	en. One r in the	of them is the co	rrect answer.
1.	The	e diagram be	elow shows ti	he cross se	ection	of a flo	wer.	
	.Whi	ch part of th	B	B, C or D s	hould	— C	len grains land or	so that
	pom		mpleted?			•	or grand large of	00 B 2
	1.	Α						
	2.	В						
	3.	С						
	4.	D					()

Marks :		/2	
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2. The human female reproductive system is shown in the diagram below.

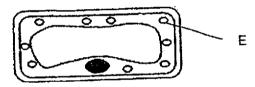


Where are the eggs produced?

- (1) A
- (2) B
- (3) C
- (4) D

()

3. The diagram below shows a cell.

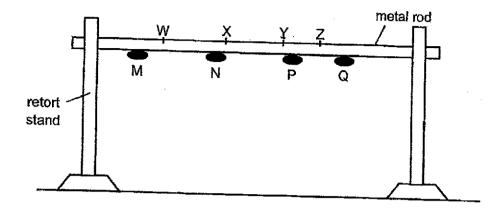


Which of the following statements correctly describes the function of part E?

- (1) It controls all activities in the cell.
- (2) It supports the cell and gives it a regular shape.
- (3) It contains chlorophyll to trap sunlight to make food.
- (4) It controls movement of substances in and out of the cell. ()

Marks: / 4

 Four identical pieces of wax, M, N, P and Q, were attached to a metal rod as shown in the diagram below.



The metal rod was heated at one point by a lighted candle. The pieces of wax melted and dropped in the following order:



At which point of the metal rod was the lighted candle heating?

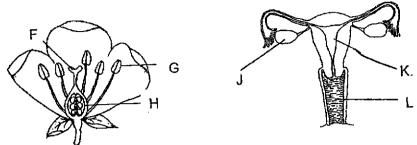
- (1) .W
- (2) X
- (3) Y
- (4) Z

.

Marks :

12

The diagrams below show the plant and human reproductive systems.



Plant reproductive system

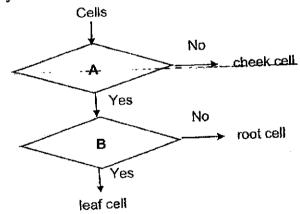
Human reproductive system

The fertilised eggs develop at _____

- (4) F and K only
- (2) G and J only
- (3) H and K only
- (4) Hand Lonly

(

6. Study the flowchart below carefully.

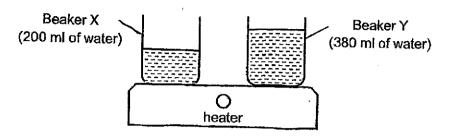


What are possible questions A and B?

Δ	В	
Does the cell have a cell wall?	Does the cell have cell membrane? Does the cell have cell membrane?	
Does the cell have chloroplast?		
Does the cell have cell membrane?	Does the cell have chloroplast?	
Does the cell have cell wall?	Does the cell have chloroplast?	
Does the contrato to	()	

Marks	:	14

7. Different amounts of water at room temperature were poured into two identical beakers, X and Y. The two beakers of water were heated, as shown in the diagram below, until the water reached 100°C.

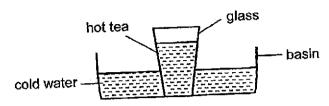


Which of the following statements are true?

- X. Water in beakers X and Y reached 100°C at the same time.
- B. Water in Beaker X reached 100°C faster than the water in Beaker Y.
- ©. When the water in both beakers were at 100°C, they had the same amount of heat.
- D. The water in beaker Y had more heat than the water in beaker X when they were at 100°C.
- (1) A and C only
- (2) A and D only
- (3) B and C only
- (4) B and D only

Marks: /2

 A glass of hot tea was placed in a basin of cold water, as shown in the diagram, for one hour.



Which of the following shows the correct observation and explanation of this setup after one hour?

Observation	Explanation
The water became warmer than the tea.	The cold water lost coldness to the hot tea.
The water and tea were at the same temperature.	The cold water gained heat from the hot tea.
The water and tea were at the same temperature.	The hot tea gained coldness from the cold water.
The tea became colder than the water.	The hot tea lost heat to the cold water.

Marks:	/2

SECTION B : [14 marks]	
For questions 9 to 12, write your answers in	this booklet.

The number of marks available is shown in the brackets [] at the end of each question

or	part-que	stion.
9.	The wing-li structu	diagrams below show fruits P and Q from two different plants. ke tree tree tree tree tree tree tree tr
	(a)	State the dispersal method for the seeds of fruits P and Q. P:
	(b)	Explain how the characteristic of fruit P helps in its dispersal. [2]
	(c)	State one advantage for plant Q when their seeds are dispersed further away from their parent plants. [1]

Marks:	14

10. The diagram below shows the stages of seed R growing into a young plant.

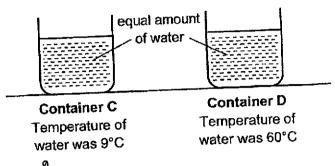
sta	ge 1 stage 2 stage 3 stage 4 stage 5					
(a)	State the conditions needed for seed R to grow from stage 1 to 2. [1]					
(b)	Explain why the seed leaf in stage 5 is smaller as compared to when it is in stage 3.					
(c)	As seed R grows into an adult plant, it bears red flowers like its parent plant. Explain why this is so.					

Marks:

	-					
(b)	Ali placed so	me cells into a	container of lic	juid with substa	ances Y and I
		liquid co substance	ntaining s Y and Z			10/
			cell —	(a)		
					<i>(</i>) (7 C
	i a	le measured after the expe	the amount of	orded his obse	rvations in the	ells before and table below.
		Cell	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		substance	.
		Cell	at the start	at the end	Z	Z
		1	2	2	at the start	at the end
		2	0	0	0	2
		3	0	0	2	3
			1	- 1	θ .	<u>5</u>
		4				
		5	0	n	ก	3
		· · · · · · · · · · · · · · · · · · ·	0	0	0	3

	-	•	_
Marks:		1	3

12. (a) Two identical containers, C and D, were filled with equal amounts of water of different temperatures, as shown in the diagram below. They were placed in a room with a temperature of 28°C for 30 minutes.

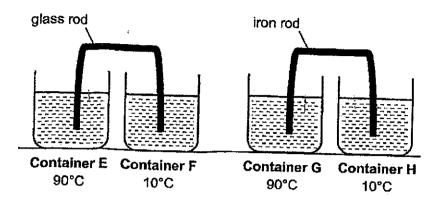


Place ticks (🗸) in the correct boxes to show the changes taking place in both containers of water when they were placed in the room. [1]

	gained heat	lost heat	temperature increased	temperature decreased
water in Container C				
water in Container D				

Marks:	/1

(b) An experiment was set up using four identical styrofoam containers, E, F, G and H, with equal amounts of water. The temperatures of the water in the containers at the start of the experiment are shown in the diagram below.



A glass rod and an iron rod were placed in the containers as shown. After five minutes, the temperatures of the water in the containers were measured.

Arrange the containers according to the te them, from the lowest to the highest, by we and H, in the correct boxes.	mperature of the water in iting the letters E, F, G
	k',

lowest temperature	highest temperature

F and H	he difference after five min	in the temputes.	peratures or	the water in	Conta
					

*		
Marks:		/2

1 1

Marks:

(c)	Alfred dented his ping pong ball. To change the ping pong ball back to its original shape, he placed it in a container of water at 80°C. water at 80°C
	Explain how this would change the ping pong ball to its original shape. [1]

~ END OF PAPER ~

SCHOOL: MAHA BODHI SCHOOL

LEVEL: PRIMARY 5
SUBJECT: SCIENCE
TERM: 2024 WA1

Q1)	2
Q2)	3
Q3)	3
Q4)	3
Q5)	3
Q6)	4
Q7)	4
Q8)	2
Q9)	a) P: Wind Q: Explosive action b) The fruit has wing-like structure. It can stay longer in the air. The fruit can be carried further away from the parent plant. c) When plant O's goods are dispersed for the parent plant.
	c) When plant Q's seeds are dispersed further away from their parent plants, they can reduce overcrowding and competition for minerals, water, sunlight and space among the parent plants and young plants and will grow more healthily.
Q10)	 a) Air, water, warmth. b) The young plant has used up the food stored in the seed leaf. c) The plant inherited the characteristics from its parents.
Q11)	a)A cell membrane controls the substances entering and exiting the cell. b)i)To ensure that his results are reliable. ii)The cell membrane allows Z to enter the cell but not Y.
Q12)	a)
İ	gained lost temperature temperature heat heat increased decreased
	water in Container C
	water in Container D
	b)i)F, H, G, E ii)Iron is a better conductor of heat than glass. Water in H gained heat faster than the water in F. c)The air in the half gained heat from the half gained heat
	c)The air in the ball gained heat from the hot water and expanded.
	Pg1