CREST Olympiads

SAMPLE PAPER

CLASS 4

CREST Science Olympiad (CSO)

Syllabus for CSO is available at https://www.crestolympiads.com/cso-syllabus

Pattern And Marking Scheme

Class	Topic/Section	No. of Questions	Marks per Questions	Total Marks
	Practical Science	25	1	25
1st to 4th	Achiever's Section	10	2	20
	Grand Total	**35**	-	**45**
	Practical Science	40	1	40
5th to 10th	Achiever's Section	10	2	20
	Grand Total	**50**	-	**60**

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1. Four of Mrs. Sen's students made statements related to our environment.
Which student made an INCORRECT statement?

Riya: Pollution is caused by natural factors only.
Priya: Human beings contribute to pollution in a large way.
Maya: The damaging effect of acid rain can best be seen in our great heritage building, Taj Mahal.
Tara: The amount of carbon dioxide is continuously on an increase due to human activities and decreasing forest cover.

a) Priya and Maya only
b) Maya and Tara only
c) Riya only
d) Tara only

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2. Unscramble the given letters to find out the name of an adaptation which is shown by this animal.

a) LBBEBRU
b) SSPNIE
c) PPLESRFI
d) CMMYIRI

3. Look at the pictures given below and spot the odd one out based on the food we get from plants.

a) Sugarcane
b) Corn
c) Moong dal
d) Prawns

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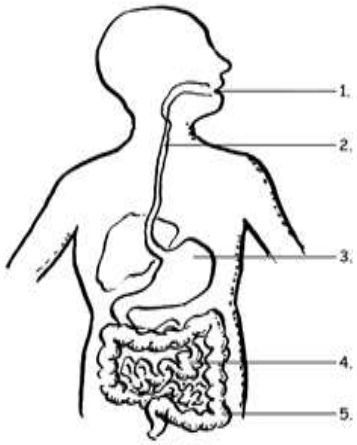
4. Look at the diagram of the digestive system as shown below carefully.
What is the main function of the part labeled 3?



a) Changes the insoluble starch present in the food into soluble sugars
b) Helps in the absorption of water
c) Breaks down the proteins and other substances present in it into smaller particles
d) Helps in the digestion of fats

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5. Maya has a basket full of soiled clothes. These include her silk blouse, woollen shawl, cotton dress, zari saree and cotton kurti. Which of these would you recommend her to be sent for dry cleaning?

a) Silk blouse, woollen shawl and zari saree
b) Cotton kurti and woollen shawl
c) Cotton dress and cotton kurta
d) Only zari saree

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6. Following is a group of substances given in the box.

1. Carbon dioxide
2. Milk

What is the similarity seen in such pair of substances?

a) They both are soluble in water
b) They both are insoluble in water
c) They both completely dissolve in each other
d) They both are universal solvents

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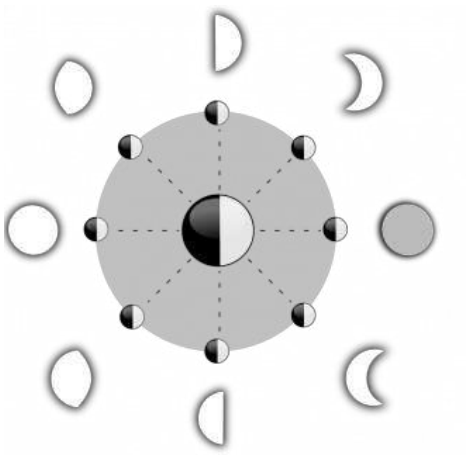
7. The moon has phases with distinct appearances because it is constantly rotating around the Earth and being illuminated by the sun at different angles.



Choose the correct order of the phases of moon from the given options.

a) New Moon, Full Moon, First Quarter, Third Quarter
b) First, Quarter, New Moon, Full Moon, Third Quarter
c) First, Quarter, Third Quarter, New Moon, Full Moon
d) New Moon, First Quarter, Full Moon, Third Quarter

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8. Match the column I with the column II and select the correct option.

	Column I		Column II
1.	Storage roots	a.	Mangroves
2.	Breathing roots	b.	Turnip and carrot
3.	Hard, thick and woody stems	c.	Grapevine
4.	Soft and weak stems	d.	Sheesham

a) 1 - c, 2 - d, 3 - b, 4 – a
b) 1 - a, 2 - b, 3 - c, 4 – d
c) 1 - b, 2 - a, 3 - d, 4 – c
d) 1 - d, 2 - a, 3 - b, 4 – c

Achiever's Section

9. Fill in the blanks with correct word/phrases and select the answer correctly from the given options:

Most desert plants have very few leaves. There leaves have (i) _____. In many other plants, the leaves are modified into (ii) _____ which prevent the loss of (iii) _____. The stems are green and fleshy because they (iv) _____.

a) i-wax coating, ii- spines, iii-water, iv-store water
b) i-less stomata, ii-cones, iii-food, iv-absorb water
c) i-more stomata, ii-flowers, iii-minerals, iv-trap insects
d) i. less stomata, ii-buds, iii-oxygen, iv-swell up

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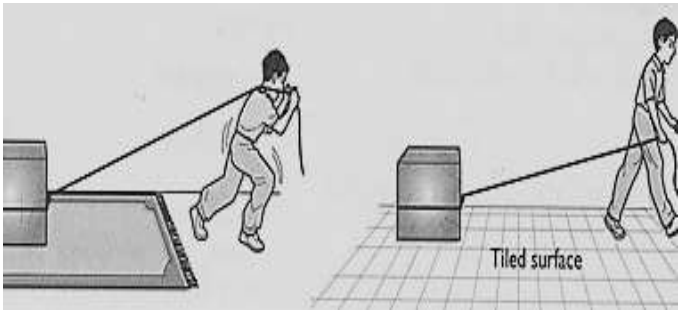
10. In the picture given below we can see that a man is pulling a box on a rough surface and also on the smooth surface.

What can we conclude from this activity?



a) Friction is very less on both smooth as well as on rough surfaces.
b) Friction is more on both smooth and rough surfaces.
c) Friction is more on a smooth surface as compared to a rough surface.
d) Friction is more on a rough surface as compared to a smooth surface.

Answers

1. (c), 2. (d), 3. (d), 4. (c), 5. (a), 6. (a), 7. (d), 8. (c), 9. (a), 10. (d)