

India's Number 1 Education App

## PHYSICS

# **BOOKS - U-LIKE PHYSICS (HINGLISH)**

# CBSE SAMPLE QUESTION PAPER 2019 -20 (SOLVED)



1. Define catenation.



**2.** How does the valency of an element vary across a period ?

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**3.** On the basis of your understanding of the following paragraph and the related studied concepts :

Renewable energy sources such as wind energy are vital for the Indian economy, not only from the point of view of supply, but also from the perspective of environmental and social benefits. India is the world's fifth largest wind-power producer and the largest windmill failities in India are installed in Tamil Nadu. Muppandal is a small village of Tamil Nadu and one of the most important sites of wind - farm in the state. It uses wind from the Arbian Sea to produce renewable energy. The suitability of Muppandal as a site for wind farms stems from its geographical location as it has access to the seasonal monsoon winds.



generator.



**4.** On the basis of your understanding of the following paragraph and the related studied concepts :

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The output frequency of wind turbine is 50 Hz.

What is meant by this statement ?



5. On the basis of your understanding of the following paragraph and the related studied concepts :

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Why do you think Muppandal is at an

advantageous position for this project?

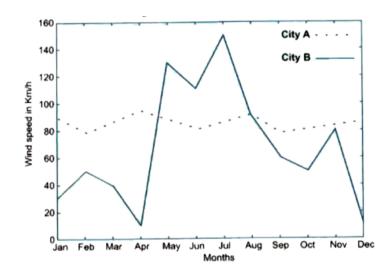


**6.** On the basis of your understanding of the following paragraph and the related studied concepts :

Renewable energy sources such as wind energy are vital for the Indian economy, not only from the point of view of supply, but also from the perspective of environmental and social benefits. India is the world's fifth largest wind-power producer and the largest windmill failities in India are installed in Tamil Nadu. Muppandal is a small village of Tamil Nadu and one of the most important sites of wind - farm in the state. It uses wind from the Arbian Sea to produce renewable energy. The suitability of Muppandal as a site for wind farms stems from its geographical location as it has access to the seasonal monsoon winds.



Based on the data represented in the graph below, which of the two cities A or B would be an ideal location for establishing a wind - farm and why ?



#### **View Text Solution**

#### 7. Study these tables related to blood sugar

levels and answer the questions that follow :

#### Table A (Blood glucose chart)

	Mean Blood Glucose Level (mg/dL)
Doctor's advice needed	380
	350
	315
	280
	250
	215
Good	180
	150
Excellent	115
	80
	50

Table A (Blood glucose chart)

Time of Check Blood Glu		cose Ranges (mg/dL)	
	Patient X	Patient Y	
Before breakfast (Fasting)	< 100	70 - 130	
Before lunch, supper and snack	< 110	70 - 130	
Two hours after meals	< 140	< 180	
Bedtime	< 120	90 - 15	

Refer to Table B showing the blood report of

the levels of glucose of patients X and Y. Infer

the disease which can be diagnosed from the

given data.



8. Study these tables related to blood sugar

levels and answer the questions that follow :

#### Table A (Blood glucose chart)

	Mean Blood Glucose Level (mg/dL)
Doctor's advice needed	380
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Good	180
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	80
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Time of Check	Blood Glucose Ranges (mg/dL)	
	Patient X	Patient Y
Before breakfast (Fasting)	< 100	70 - 130
Before lunch, supper and snack	< 110	70 - 130
Two hours after meals	< 140	< 180
Bedtime	< 120	90 - 15

Identify the hormone whose level in the blood

is responsible for the above disease.

View Text Solution

9. Study these tables related to blood sugar

levels and answer the questions that follow :

Table A (Blood glucose chart)

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Time of Check	Blood Glucose Ranges (mg/dL)	
	Patient X	Patient Y
Before breakfast (Fasting)	< 100	70 - 130
Before lunch, supper and snack	< 110	70 - 130
Two hours after meals	< 140	< 180
Bedtime	< 120	90 - 15

Which one of the following diets would you recommended to the affected patient ?

A. High sugar and low fat diet.

B. Low sugar and high protein diet.

C. High fat and low fibre diet.

D. Low sugar and high fibre diet.

#### **Answer: D**

Bedtime



### 10. Study these tables related to blood sugar

levels and answer the questions that follow :

#### Table A (Blood glucose chart)

	Mean Blood Glucose Level (mg/dL)
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	215
2	180
Good	150
	115
Excellent	80
	50

Table B (Blood Report of Patient X and Y)				
Time of Check	Blood Glucose Ranges (mg/dL)			
	Patient X	Patient Y		
Before breakfast (Fasting)	< 100	70 - 130		
Before lunch, supper and snack	< 110	70 - 130		
Two hours after meals	< 140	< 180		

able	В	(Blood	Report o	f Patient	X	and	n
	-						

Refer to the Table A and suggest the value of

the mean blood glucose level beyond which

doctor's advice is necessary :

A. 180 mg/dL

B. 115 mg/dL

C. 50 mg/dL

D. 80 mg/dL

Answer: A

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