

Most Important Questions(Physics)

Class 10 CBSE Board 2021-22(Term II)

1. On what factors does the resistivity of a conductor depend? [Ask Filo](#)
 2. Why is ozone layer getting depleted at the higher levels of the atmosphere? [Ask Filo](#)
 3. Mention one negative effect of our affluent life style on the environment. [Ask Filo](#)
 4. How long coal is going to last at the present rate of consumption? [Ask Filo](#)
 5. Which of the following belonging to a food chain is likely to have maximum concentration of harmful chemicals in its body? (a) Kingfisher, zooplankton, fish, phytoplankton. (b) Peacock, frog, snake, grasshopper. (c) Frog, hawk, grasshopper, snake. (d) Small fish, zooplankton, birds, phytoplankton. [Ask Filo](#)
 6. In one complete cycle of a.c., how many times the direction of current changes? [Ask Filo](#)
 7. What is an electric generator? [Ask Filo](#)
 8. How is the induced current in a secondary coil related to current in a primary coil? [Ask Filo](#)
 9. What is electromagnetic induction? [Ask Filo](#)
 10. A stationary charge is placed in a magnetic field. Will it experience a force? Give reason to justify your answer. [Ask Filo](#)
 11. What happens to the resistance of a conductor when its temperature is increased? [Ask Filo](#)
 12. The voltage-current ($V - I$) graph of a metallic circuit at two different temperatures T_1 and T_2 is shown in figure, which of the two temperatures is higher and why? [Ask Filo](#)
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13. What is the lowest resistance that can be obtained by combining four coils of resistors of 4Ω , 8Ω , 12Ω and 24Ω ? [Ask Filo](#)
 14. What do you understand by the term socio-cultural environment? [Ask Filo](#)
 15. State Joule's law of heating. [Ask Filo](#)
 16. What kind of magnetic field is produced by a solenoid? [Ask Filo](#)
 17. Why is conservation of wildlife considered important for us? Give any two reasons. [Ask Filo](#)

18. Many organisations are working on rejuvenating ancient system of water harvesting. Give examples of any four.

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19. How alpine meadows of Himalayan National Park have been affected since nomadic shepherds stopped grazing their sheep in the park during summer?

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20. Describe any four modes of disposal of waste.

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21. The amount of energy that is available to the plants from the Sun is $200000 J$. Calculate the amount of energy available to the lion in the following food chain: *Plant* \rightarrow *Deer* \rightarrow *Lion*.

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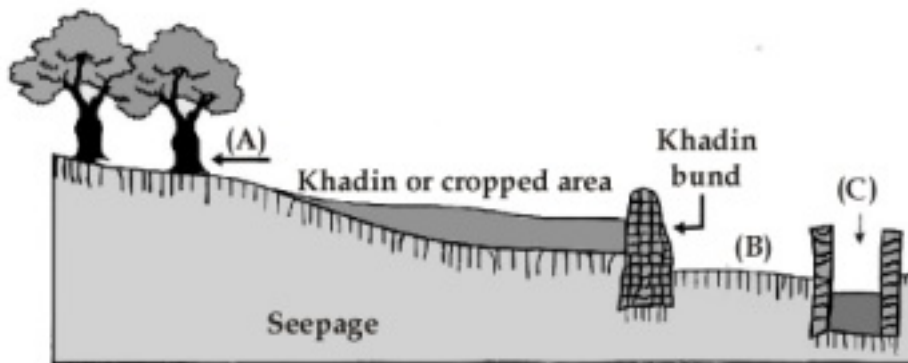
22. What is biodegradable waste? If all the waste we generate is biodegradable? What impact may this have on the environment?

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23. (a) What is environmental pollution? (b) Distinguish between biodegradable and non-biodegradable pollutants. (c) Choose the biodegradable pollutants from the list given below: Sewage, DDT, radioactive waste, agricultural waste.

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24. Given below is the diagram of traditional water harvesting system - an ideal setting of the khadian system. Indicate the meaning of (A), (B) and (C).



25. Two conductors *A* and *B* of resistances 5Ω and 10Ω respectively are first joined in parallel and then in series. In each case the voltage applied is $20 V$.

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(a) Draw the circuit diagram to show the combination of these conductors in each case.

(b) In which combination will the voltage across the conductors *A* and *B* be the same?

(c) In which arrangement will the current through *A* and *B* is the same?

(d) Calculate the equivalent resistance for each arrangement.

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