



PHYSICS

BOOKS - OSWAAL PHYSICS (KANNADA ENGLISH)

SSLC KARNATAKA TOPPERS' ANSWERS MARCH -2018

Question

1. "Coal is a non-renewable source of energy."

Because,

A. coal is replenished soon in the nature

B. coal is abundant in nature

C. the reserves of coal are depleting at a fast rate and it is difficult to replenish

D. coal leaves residue when burnt.

Answer: C



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2. The living component of xylem tissue is

- A. xylem vessel
- B. xylem parenchyma
- C. xylem tracheid
- D. xylem fibre.

Answer: B



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3. Identify a property of amorphous silicon in the following.

A. Does not burn in the air

B. Has dark grey colour

C. Oxidizes at the surface level when heated in the air

D. Less reactive

Answer: C



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4. A man who is standing at a distance of 850 m from a sound reflecting surface claps loudly. If the velocity of the sound in air is 340 m s^{-1} , then the time taken by the echo to reach him is

A. 5 s

B. 4 s

C. 2.5 s

D. 3 s.

Answer: A



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5. If the stages of human evolution is written in the descending order according to their cranial capacity, then the correct order obtained is

A. Homo habilis, Homo erectus, Homo sapiens, Australopithecus

B. Australopithecus, Homo habilis, Homo erectus, Homo sapiens

C. Homo sapiens, Homo erectus, Australopithecus, Homo habilis

D. Homo sapiens, Homo erectus, Homo habilis, Australopithecus

Answer: D



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6. Steam engine cannot be started instantaneously because,

A. the efficiency of the engine is low

B. steam should be produced by heating water

C. the engines is bulky

D. there is no spark plug.

Answer: B



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7. The principle of working of a motor is

A. there is a magnetic field around a current carrying conductor

B. when a magnetic field linked with a conductor changes, an induced emf is generated in the conductor

C. the change of current in one coil, induces emf in a neighbouring coil

D. a conductor carrying electrical current experiences mechanical force if kept in a magnetic field.

Answer: D



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8. Antheridium of pteridophytes can be compared to

A. Stamen of angiosperms

B. Megasporophyll of gymnosperms

C. Carpel of angiosperms

D. Archegonium of bryophytes.

Answer: C



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9. The gas released when the sunlight breaks down chlorofluorocarbons is

A. carbon dioxide

B. fluorine

C. carbon monoxide

D. chlorine.

Answer: D



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10. The group of compounds which dissociate partially in aqueous solutions is

A. Hydrochloric acid, Nitric acid

B. Carbonic acid, Phosphoric acid

C. Sodium chloride, Acetic acid

D. Copper sulphate, Sugar solution

Answer: B



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