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1. By which of the following systems electric power may be transmitted ?

- (a) Overhead system
- (b) Underground system
- (c) Both (a) and (b)
- (d) None of the above

Ans: c

2 are the conductors, which connect the consumer's terminals to the distribution

- (a) Distributors
- (b) Service mains
- (c) Feeders
- (d) None of the above

Ans: b

3. The underground system cannot be operated above

- (a) 440 V
- (b) 11 kV
- (c) 33 kV
- (d) 66 kV

Ans: d

4. Overhead system can be designed for operation up to

- (a) 11 kV
- (b) 33 kV
- (c) 66 kV
- (d) 400 kV

Ans: c

5. If variable part of annual cost on account of interest and depreciation on the capital outlay is equal to the annual cost of electrical energy wasted in the conductors, the total annual cost will be minimum and the corresponding size of conductor will be most economical. This statement is known as

- (a) Kelvin's law
- (b) Ohm's law
- (c) Kirchhoffs law
- (d) Faraday's law
- (e) none of the above

Ans: a

6. The wooden poles well impregnated with creosote oil or any preservative compound have life

- (a) from 2 to 5 years
- (b) 10 to 15 years
- (c) 25 to 30 years
- (d) 60 to 70 years

Ans: c

7. Which of the following materials is not used for transmission and distribution of electrical power ?

- (a) Copper
- (b) Aluminium
- (c) Steel
- (d) Tungsten

Ans: d

8. Galvanised steel wire is generally used as

- (a) stay wire
- (b) earth wire
- (c) structural components
- (d) all of the above

Ans: d

9. The usual spans with R.C.C. poles are

- (a) 40—50 meters
- (b) 60—100 meters
- (c) 80—100 meters
- (d) 300—500 meters

Ans: c