

EXAMINATION FOR THE ISSUE OF AMATEUR RADIO OPERATORS
LICENCE BY DIRECTOR GENERAL OF TELECOMMUNICATIONS

(Novice Class)

Basis Electricity, Radio & Electronics Theory

Answer for all question

One hour

- (1) Voltmeters should be connected in electrical circuits
 - (a) Series
 - (b) Parallel
 - (c) Either series or parallel
 - (d) Neither series nor parallel
- (2) "Watt" is a unit of
 - (a) Resistance
 - (b) Volt
 - (c) Current
 - (d) Power
- (3) The frequency range from 3 MHz to 30MHz is generally referred to as
 - (a) Medium frequency
 - (b) High frequency
 - (c) Very high frequency
 - (d) Ultra high frequency
- (4) When constant D. C. voltage applied to capacitor, it is acts as
 - (a) Zero resistor
 - (b) A infinite resistor
 - (c) A finite resistor
 - (d) Current source
- (5) In the ionosphere, the highest layer is
 - (a) F2
 - (b) F1
 - (c) E
 - (d) D
- (6) When a transmission line terminated properly, its reflection coefficient is
 - (a) Infinity
 - (b) 1
 - (c) 0.5
 - (d) Zero
- (7) The conductivity of a current carrying conductor can be increased by
 - (a) increasing its diameter
 - (b) increasing its length
 - (c) adding a resistor
 - (d) none of the above
- (8) AC voltage can be converted to dc by using a
 - (a) resistor
 - (b) transformer
 - (c) dynamo
 - (d) diode bridge
- (9) As frequency increases, the reactance of an inductor
 - (a) decrease
 - (b) increases
 - (c) steps constant
 - (d) none of these
- (10) The meggar is used for
 - (a) measuring insulation
 - (b) meaning frequency
 - (c) measuring capacitor
 - (d) measuring inductor

- (11) 'PNP' is a
 (a) Junction transistor (b) Bipolar transistor
 (c) Field effect transistor (d) diode
- (12) A varactor diode acts as a variable
 (a) Voltage source (b) capacitor (c) Inductor (d) resistor
- (13) A diode detector is used for the detection of
 (a) DSB Signals (b) SSB Signals (c) AM Signals (d) FM Signals
- (14) Two - way communication is called
 (a) Simplex (b) Half Duplex (c) Full Duplex (d) RF
- (15) Transmitter & receiver together called
 (a) Transceiver (b) Full Transmitter
 (c) Full receiver (d) none of these
- (16) Basic transistor terminals
 (a) Base, Collective, Emitter (b) Positive, Negative, Base
 (c) Base, Collector, Positive (d) Base, Emitter, Negative
- (17) A transformer coils are called as
 (a) First, second (b) Inductive, Capacitive
 (c) Motor, rotor (d) Primary, Secondary
- (18) The function of a shunt in an ammeter is to
 (a) increase the frequency (b) decrease the current
 (c) increase voltage (d) by pass the current
- (19) Transformer is a device to transfer
 (a) Mechanical energy to mechanical energy
 (b) Mechanical energy to electrical energy
 (c) Electrical energy to electrical energy
 (d) Electrical energy to mechanical
- (20) The ability of a receive to pick up weak signals is
 (a) stability (b) screening (c) Sensitivity (d) Selectivity

Answers

1. b 2. d 3. b 4. d 5. a 6. d 7. a 8. d 9. b 10. a
11. b 12. b 13. c 14. a 15. a 16. a 17. d 18. d 19. c 20. c