



Question paper for Transco Personnel on Electrical Safety.

PAPER SET - I

Name of the participant :
Designation: : Instructor :
Place of working : Designation:
Division : Date:
Circle/Zone : Result:

Attempt all questions
Time : 30 minutes

All questions carry equal marks
Maximum Marks : 25

- 1) **NEC Stands for** [.....]
a) National Engg. Council
b) National Environmental Code
c) National Electrical Code
d) None of the above.
- 2) **What does NEC explains.** [.....]
a) Electrical installation & Safety
b) Energy Conservation
c) Electrical wiring theory
d) Electrical construction process.
- 3) **How many parts does NEC 2011 is having.** [.....]
a) 8 b) 16 c) 20 d) 10.
- 4) **Under which section short circuit calculations are covered.** [.....]
a) Section- 3 /Part 1 of NEC 2011
b) Section- 7/part 1 of NEC 2011
c) Section- 10/Part 1 of NEC 2011
d) Section- 3/ Part II of NEC 2011
- 5) **The neutral conductor shall not be used as earth wire.** [.....]
c) True b) False c) un known
- 6) **Guide lines given in NEC Code is** [.....]
a) Mandatory b) Advisory
c) Need not follow d) None of the above.
- 7) **NEC Code can be applied to** [.....]
a) Both Medical establishments and Hotels
b) Only Hotels
c) Only medical establishments
d) None

- 8) **What is the minimum vertical clearance to be maintained for above 33 KV level.** [.....]
a) 3.7 Mtrs b) 2.8 Mtrs c) 3.7 mtrs plus d) 2.0 mtrs
- 9) **Is ventilation required for battery room for the batteries in an Extra High Tension Sub-Station should be kept.** [.....]
a) In a closed room.
b) It should be properly ventilated.
c) Batteries should be kept in an AC room
d) None of the above.
- 10) **Indicate IS Specification for short circuit calculations in a system** [.....]
a) IS 13234 : 1992
b) IS 15652
c) IS 3043 :1987
d) IS 3034
- 11) **All electrical equipment shall be selected so that it will not cause harmful effects. What are the harmful effects in Electrical system.** [.....]
a) Harmonics
b) Asymmetrical loads
c) Inrush current
d) All of the above.
- 12) **Common sources of power surges in Electrical system .** [.....]
a) Lightning
b) electromagnet interference
c) earth quakes
d) None of the above
- 13) **What is the period for the requirement of pre commissioning test, If the installation is not in use more than** [.....]
a) One year
b) More than six months
c) More than two years
d) More than 5 years
- 14) **Insulation resistance values are to be measured between** [.....]
a) Phase to phase
b) Phase to neutral
c) Phase to Earth
d) All of the above.
- 15) **For checking the efficiency of earthing the following tests are recommended as per IS 3043:** [.....]
a) The earth resistance of each electrode is measured
b) The earth resistance of earthing grid is measured
c) The earth resistance of the entire earthing system is measured.
d) All of the above

- 16) The disadvantages of low power factor** [.....]
- a) Overloading of cables and transformer,
 - b) More losses in the installation.
 - c) Penal power rates in the consumer billing.
 - d) All of the above
- 17) Work Permit System (Line clear) is** [.....]
- a) Taking approval after the work is completed.
 - b) Permission before the work commences.
 - c) Entering into a register
 - d) None of the above.
- 18) What are the personal protective equipment to be used by an skilled Electrician.** [.....]
- a) Crash helmet and safety shoes.
 - b) rubber Gauntlets or Gloves
 - c) Insulated tools
 - d) All of the above
- 19) The PPE tools should be tested frequently for their healthiness** [.....]
- a) True b) False c) Not known d) None of the above.
- 20) Illumination is measured in** [.....]
- a) Amps b) KVA c) Lux /SqMtr d) KW
- 21) Most of the Electrical Accidents caused due to** [.....]
- a) Ignorance b) Innocence
 - c) Fire d) None of the above.
- 22) Artificial respiration without interruption, until natural breathing is restored for accident victim** [.....]
- a) True
 - b) False
 - c) better to call a doctor instead of first aid
 - d) None of the above
- 23) Fuse wire should have a quality of** [.....]
- a) High resistance
 - b) Low resistance
 - c) Not easily melt able
 - d) Low cost of purchase.
- 24) We can use copper wire as substitute for fuse wire.** [.....]
- a) True b) False c) Don't Know
- 25) What type of fire extinguishers are used in Electrical system** [.....]
- a) Class - A b) Class - B c) Class - C d) Class - F