

# EIL Technical Paper 1

## Technical section:

1) Bucholz relay is.....

- a. Gas actuated relay
- b. Current sensing device
- c. Voltage sensing device

Ans: a

2) Shunt is made up of .....

- a. Copper
- b. Tungsten
- c. Manganin

Ans: c

3) In a 4kva, 400/200 v m/c the value of impedance & reactance are given as 0.002 & 0.006 .what will be the new values of them when referred to the h.v side.

- a. 0.2,0.6
- b. 0.08,0.036
- c. 0.4,0.12

4) Metallic sheath is used to .....

- a. prevent the cable from moisture
- b. provide mechanical strength

Ans: b

5) Of the following bridges the one which can be used for the measurement of dielectric loss of a capacitor is –

- a. Schering bridge .....
- b. Heaviside Campbell equal ratio voltage
- c. Owen bridge
- d. Anderson bridge

Ans. a. Schering bridge

6) Diac is a.....

- a. 3-layer, 2-junction
- b. 2-layer, 3-junction
- c. 4-layer, 3-junction

7) Load voltage equation of step up chopper.....

- a.  $v(1-a)$
- b.  $v/(1-a)$

Ans: b

8) Which is not related to ckt breaker.....

- a. conservator
- b. explosion pot

c. operating mechanism

Ans: a

9) Coefficient of reflection of short [transmission](#) line is.....

- a. 1
- b. -1
- c. 0
- d. infinite

Ans: b

10) 1<sup>st</sup> nuclear power plant located at .....

- a. trombay
- b. kalpakkam
- c. tarapur

Ans: tarapur

11) If a current setting is given as 25%, ct ratio is 400/5 then find pick up value.....

- a. 6.25
- b. 0.25
- c. 4

Ans: a

12. d.c chopper converts .....

- a. ac to ac
- b. ac to dc
- c. dc to dc
- d. dc to ac

Ans: c

13) In a controlled rectifier, the nature of load current i.e, whether load current is continuous or discontinuous is

- a. does not depend on type of load & firing angle delay
- b. depends on load & firing angle delay
- c. depends only on type of load
- d. depends only on firing angle delay

Ans: b

14) For thyristor pulse triggering is preferred on dc triggering because.....

- a. gate dissipation is low
- b. pulse system is simpler
- c. triggering system is required for very short duration
- d. all of these

Ans: d

15) Thyristors are basically .....

- a. scr's
- b. triac's
- c. both scr's and triac's
- d. all pnpn devices

Ans : d

**Non tech section**

The nontech section comprises of only g.k questions

1)Vijay singh, who is golf player belongs to .....

- a. maritus
- b. Maldives
- c. Kenya

2)LTTE associated with.....

- a. Bangladesh
- b. Bhutan
- c. shrilanka
- d. Nepal

Ans:a

3)S.Sainath related to.....

- a. journalism
- b. t.v hosting

4)OPEC 's headquarter is located at .....

- a. [Vienna](#)
- b. gienna
- c. maxico

Ans:a

5)Jawaharlal Nehru award given to which country.....

- a. [mexico](#)
- b. u.s.a

6)Which contry first started carbon tax.....

7)Nobel prize is equivalent to

- a. raman magsasse
- b. abel prize

8)The book “the elephant ,tiger and.....” is written by

- a. artya sen

9)First women leader of INC was

- a. Anne becent
- b.Sarojini naidu

Ans:a

10)The book Anand math is written by.....

- a.B.C Chatterji
- b. Rabindranath tagorre

11) APJ Abdul Kalam associated with.....

- a. GSLV
- b. PSLV
- c. SLV

12) Nilgiri hills is famous for .....

- a. tea
- b. coffee
- c. rubber
- d. spices

13) Olympic 2012 are going to be held at

- a. London
- b. Beijing

Ans: London

14) The sentence 'the way the wind flows' means.....

- a. how the things are
- b. how the things are made
- c. how we make the things

15) I hope that you \_\_\_\_\_ come for a cup of tea tomorrow

- a. shall be
- b. would be
- c. will be

16) Pongal is a festival of

- a. Karnataka
- b. Andhra Pradesh
- c. West Bengal
- d. Tamil Nadu

17) Taj Mahal was to be built originally at.....

- a. M.P
- b. Orissa
- c. West Bengal
- d. Rajasthan

18) Pravasi Bhartiya Divas was celebrated on.....

- a. 9 Jan
- b. 16 April

Ans: a

19) Kaziranga National Park is famous for.....

- a. rhino
- b. lion
- c. deer

Ans: a

