Q.26 Compare the Ac and Dc transmission of power.

Q.27 Explain the concept of transposition of conductors.

Q.28 Enlist the faults occurs in Under ground cables.

Q.29 Explain the purpose of earthing.

Q.30 Explain the working of MCB.

Q.31 Explain the factors effecting sag.

Q.32 Give the three advantages and disadvantages of ring main system.

Q.33 Describe the protection of Substation from over voltage and Lightening.

Q.34 Compare indoor and outdoor substation.

Q.35 Explain Making and Breaking capacity of circuit breaker.

Section-D

Note: Long answer Questions. Attempt any two Questions out of three Questions. (2x10=20)

Q.36 Explain construction and working of SF6 circuit breaker.

Q.37 Describe the concept of corona, factors affecting the corona and method of reducing the corona effect.

Q.38 Explain the maintenance schedule of substation and its equipments.

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Roll No.....

Branch : Power Station Engg.

Subject : Transmission Distribution of Electrical power

Time : 3 Hrs. **M.M. : 100**

SECTION-A

Note : Multiple choice questions. All questions are compulsory. (10x1=10)

Q.1 Most reliable Distributor scheme is _____.

a) Ring main system
b) Interconnected system
c) Redial system

Q.2 Insulator used at dead end or at crosssing is _____.

a) Pin type insulator b) Strain type insulator
c) Real insulator d) Egg Insulator

Q.3 _____ is the main consideration while designing a Feeder.

a) Current carrying capacity
b) Voltage drop
c) A and B both
d) None of above

Q.4 Supporting structure used in EHV is _____.

a) RCC pole b) Steel Tower
c) Steel pole d) None of these

Q.5 Breaking capacity is represented in _____.

a) KW b) MVA

c) VAR d) None of these

Q.6 Sag in the Line is depend on

a) Weight of conductor

b) Span length

c) Tension in conductor

d) All of these

Q.7 Conductor that connect a consumer to the distributoris_____.

a) Feeder b) Service main

c) Earth conductor

Q.8 SF6 CB is desired in EHV production because of_____.

a) Odorless

b) Chemically inert

c) Good Dielectrical strength

d) All of these

Q.9 Earthing of resistance of major substation is _____.

a) 1 ohm b) 2.5 ohm

c) 5ohm d) 10 ohm

Q.10 Stay wire is used for _____.

a) Earthing

b) Support of Pole

c) Cross arm protection

d) None of these

Section B

Note: Objective type Questions. All Questions are compulsory. (10x1=10)

Q.11 Full form of ELCB is _____.

Q.12 Expand ACSR.

Q.13 It is desirable the voltage regulation of the transmission line should be _____.

Q.14 Skin effect is more pronounced in DC (T/F)

Q.15 Corona is more pronounced in rainy season (T/F)

Q.16 SVC is used for _____.

Q.17 Maximum value of power factor is_____.

Q.18 Anti climbing device the barbed wire wrapped on Pole (T/F)

Q.19 Tower footing resistance should not be more than ____ ohm.

Q.20 Pin type insulators are suitable at very high voltage (T/F)

Section-C

Note: Short answer type Questions. Attempt any twelve Questions out of fifteen Questions. (12x5=60)

Q.21 Explain the principle of arc extinction.

Q.22 Explain the method of reducing earth resistance.

Q.23 Tell the difference between a switch, isolator and circuit breaker?

Q.24 Explain Skin Effect.

Q.25 Draw and explain the layout of transmission system.