* Installation of transformeres:-(i) Transformers must be installed in an orce that will minimize the possibility of physical damage and in an area where there is enough free circulation is pry-type transformers rated at less than 600 V & cless than 112-5 KVA should be mounted on fixe - retardant material. (iii) Transformers reated at more than 112.5 KYA installed re room of five - restande (IV) Transformers mounted outdoors should have rated at more than 112.5 KVA, should be spaced at least 12 inches from the combustible materials of buildings.

	PAGE NO.:
	Protection of transformers:- Use relays &
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
, ,	Use relays t
	Grounding of a Transformer:
	peralla applicable
	documents must be consulted naturally
	available grounds e.g. effectively-grounded
	motal water pipes, effectively-granded
	metal in the nearby stancture etc. can
	be used (via an electrode) to provide
	sufficient grounding to a transformer.
	U thought a had a beat in
Q	How do we decide the diameter of the
/	'Cu' wires used in primary + se condary
	windings? × 8.66 ~ ===
And	There we two standards used to specify
=	wire - diameter:
	(1) American wire Gauge (AWG1)
	(ii) Standard wise Gauge (SWG)
	777777
Ω	A 500 KVA, single-phase, 13.8/4.160 KV,
7	60 Hy transformer has primary resistance
	60 Hy tegniformer has primary resistance = 0.04_2. The ison class (i.e. love loss) = 3000 watts.
	The ison (loss (i.e. love Joss) = 3000 Watts.
	Calculate the Copper loss & efficiency at
	full-load.
Ans	n = Output Power
7 7	n= Output power
	= Input Power - lu loss - Iron loss
-	Input Power
	Teacher's Signature

Lu loss - Ip Rp + Ig Rs Assume [Cos 0 = 1] Vp Ip= Vs Is = Power = 4.160 × 1g 13.8× 2p = 500 Pp = 36-23 A 1626 West (3000 + 1626) 500×103