LAGOS CITY POLYTECHNIC, IKEJA

1. (a) SCHOOL TO FOLLOWING INSERTING TANDELS PROJECT COMPUTER ENGINEERING (iii)
WILLIAM TO FELECT/ELECT COMPUTER ENGINEERING (iii)
WILLIAM TO FELECT/ELECT COMPUTER ENGINEERING (iii)

wiinig	2015/2016 SEMESTER EXAMINATION				
(b)	Mention and explain six(6) factors to be considered in the choice of a particular				
CO	electrical wiring system.  URSE TITLE: ELECTRIC AND DESIGN				
(c)	Differentiate between <b>PRAFTCAING</b> system relairs and troubles pooting.				
QUESTION: 6					
2. GOURSEsign Questable Relative scheme for a factory with a dimension of 4420 WEAD in					
2HRS	a height of 7m. Illumination required is 60 lux. State the number, location in the but of 140 water fluid rescent tuben straight and 140 water fluid rescent flu				
<b>Desree</b> rațio	on factor = 1.2, while utilization factor = <b>Q.Sy</b> Explain the following as applicable to the Electrical System design and drafting				
1. (a)	bildues in the following as applicable to the Electrical System design and drafting bildues in the Electrical Layout solding and fittings.				
(b) <b>Dreshold</b> between electrical Layoutessories and diagram wiring					
3. (a) (b)	With the aid of appropriate schematic diagram draft the sequence of equipment Mention and explain six(6) factors to be gonsidered in the choice of a particular electrical wiring system.				
(b) electrical	Mention and explain 4 principles to be applied in the drafting of building Differentiate between electrical system repairs and troubleshooting.				
2. (a)	wiring layout diagrams. Design a suitable lighting scheme for a factory with a dimension of 120m x 40m				
with (c)	Mention and explain. Illumination required is 60 lux State the number location ting height of 40 watts fluorescent tube giving 45/m/w.				
and mòún					
Depreciatio	on protection against, while excessive current utilization electrical installation.				
4. (b)	Differentiate 8 electrical device graphical symbols that can be used in electrical				
3. (a)	system design and state their function. With the aid of appropriate schematic diagram draft the sequence of equipment				
(b)	Mention and explain for various sources of light with practical examples.				
(b) Mention and explain 4 lecting in the drafting of excessive					
electrical	current. wiring layout diagrams.				
5. (a)					
(c) provide	Explain the following as applicable to the electrical lighting system designs mention and explain the function of 4 electrical devices that can be fried to				
provide	(ii) Maintenance factor protection against excessive current in electrical installation				
4. (a)	(iv) Coefficient of utilization List and draft 8 electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols that can be used in electrical device graphical symbols and the symbols are detailed by the symbols of the symbols are detailed by the symbol				
( )	(v) Depreciation and the state Ratio their function function)				
<b>(B)</b>	Mention and explain various sources of light electrical ractical examples.				
(E)	Mention and explain 4 electrical devices that so used to be reselected in the state of the state				
ē: (a)	Explain the following as applicable to the delectrical distains systems designs a				
value	of 250 lux and is to be provided by a number of 300 watts filament lamp. If				
the coeffic	mientii) Maintenance of utilization is 0.4 and depreciation factor is 0.5 and the second of the seco				

is 4 lumen per watt. Determine the number of utilization

Height ... Ratio ... (SHR)

factor

luminous efficiency of each lamp (iv) Coefficient

(v)

Depreciation

. Space 1 · c ·