= = = = = = = = = = = = = = = = = = = =	
Ceramics:- Insufficient leng	
Ceyamics Insufficient head	
Draw diagrams	
Definition: Definition: Ceremic is Post 1 page Unit Mon-material Solid made	onic
Cavamic is Post 1 page Uti	me
Cerenti Solid made	ap
non-metallic sollared of clay. It is shaped it	ind
of clay. It is significant	to
of clay. It is strenger it hardened by heating it	
- The same time	
high temperature Examples: It is all arou	nd .
The child of the child	
tiles, bricks, plates, W	ensils
tiles, bricks, picks	
It is also tourd in proc	7003
like watches, automo	biles
Space shuttles, appliance	s.ptc.
Space structes, apparent	3,1010
Properties of Ceramics:	
Due to the wide rang	
of Garanics properties	it.
has diverse application	
rias raiverse apparcarios	ns.
- Cevarnics are hard and	strong
material	0
. They are wear resistant	t and
durable.	
T	
. They are Corrosionres	istant
iney are oxidation vas	icla I
ceramics are brittle a	DTant
1.111 bnttle 9	nd
elasticity.	
· Ceramics are non-magn	
non-magn	etic.
	Letter Comments

\ <u></u>	Classification of Ceramics:	ء س
	Ceramics are attributed	_
	in two main categories	_
	Application Based Classification:	
	This Classification further	
	divide Ceramics into two	
	types:	_
a,) Traditional ceramics	_
<u> </u>	Advance Ceramics	_
	The Air in the second of the s	_
As	Traditional Ceramies:	
	Traditional Ceramics include	_
	Whitewares, structural Clay	
	Products, Brick and tile,	_
	Abrasives, refractories,	
	and cement	
		_
(b)	Advanced Cevamics:	_
	Advance ceramics include	
	electroceramics and Advance	
		-
	structural colonics. Various	_
	Ceramics like magnetic	_
	optical, conductive, nuclear	
	Bio ceramic, Automotive Ceramics	
•	are part of this type.	
i i		-

Fiber	
-Q2#6) OPtical Fiber	
Optics: Study of property of light and its propogetion	
Optics:- States propogetion	
sylight and	
Optical Fiber stands of	
These are the strangs	
all accomplished ave	
transmit light signal	
one point to another	
tele communication	
Optical fibre has two main parts	
1. Core:-	
It is the central part	
having high density. It is	
generally made up of glass	
light propogates mainly	
along the core of the fibre	
Core has high refractive index.	
2. Chadding: core (6) The Core is surroupped by	
	1
Cladding. Material called	
It is made of alass	
It has low density and low	
retractive index.	
U or a management of the second of the secon	

Date:
vii) a GPS (Global Positioning System)
lt is a navigation system to delevation exact location (2D+3D)
to delevance exact
and the
This on class Drive
to military civil user around
11/10/ 10/10/10
. It is the US-based system
J Satellite
It consist of Three segments
- Space segment
· Control segment
· User segment.
viii) bGIS (Geographic Information
System)
It is a
for continuor system
the capturno and
is data identification which
according to the location
It plays an important role in an integrating technology.
technology. Integrating
J. J.











