Date:____ Ceramics :-Ceremic is an inorganic hon-metallic solid made up Definition :of clay. It is shaped and hardened by heating it to 0 high temperature <u>Examples</u>: It is all around <u>US</u> Ib include things like +:100 A tiles, bricks, plates, utensils It is also found in products like watches, automobiles Space shuttles, appliances, etc. Properties of Ceramics :-Due to the wide range of Ceramics properties It has diverse applications. Ceramics are hard and strong material They are wear resistant and durable. They are Corrosion-resistant They are oxidation-vesistant ceramics are brittle and little elasticity Ceramics are non-magnetic

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Classification of Ceramics: Ceramics are attributed in two main categories Application Based Classification This Classification further divide Ceramics into two types 1 Traditional Ceramics Advance Ceramics raditional Ceramics: A Iraditional Ceramics include whitewares, structural Clay products, Brick and tile, Abrasives, refractories and ceme (b) Advanced Ceramics: Advance ceramics include electroceramics and Advance structural ceramics. Various ceramics like magnetic optical, conductive, nuclear Bioceranic, Automotive Ceranics are part of this type In the Basis

Date:____ <u>Ceramic can be divided</u> into 3 material categories Oxides 9 Non-orides 6) Composites c) Applications of Ceramics: Peramics have a wide range of properties which Facilitates its use in ipperent products. Aerospace Peramici are used in formation of parts of Space shuttle, rockets etc Medical field: Ceramics are used in medical field especially in dental and bone filling Electronic materials: Computer parts like insulator Computer parties are also resistor capacitor are also made up of ceramics.

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Date: notenals: onstruc ho Manufacturers Lise tiles Ceramics to make es and other Construction erial e industr o mobil eramics art also ind Sed in aut Y makir 1 C C eramics 9 reat 10 in home rer sets home lectronici C attempt proper questions for evaluation. currently, these are just like notes and notes cannot be properly evaluated.

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