The conflicts asising from movements of traffic in different directions is solved by time sharing principle A traffic Eontrol signal is a signal which through permits to proceed atternatively. Advantages of trafficaignals

\_) 97 increase the Eapacity of an intersection

=) It reduces the trequence of ecritain type of accedents Disadvantages

=> 14 may increases containtype of accidents

=) langurotoppeddelays

=) When impropally designed it promotes dispessed = =) It may encourage drivers to party attanative noutes

## Elassification of signals.

Traffic control signals.

· Fixed time signal (set to separal fixed cycle sed ambi

Traffic actualed signal etime cycle I green time distribution as pos the dimension of traffic to Fully actuated signals (detectors one installed to

Semi-artuated organals (detectors are mostalled only

Speed control signal

3) pedestigan orgnals

signal oystems

Synchronizedoystem simantaneous system Ottl signals along theginen street shows the same inclication at same time.

-IThedivision of orgs the egele issame at .
Signalized intersection and only one controller is used to operate sitof intersections.

Altegnative systems

The alternative signals of group of signals shows opposite indications atsametime —) The system is controller operated with single controller.

simple progressive aysten

indication according to predetamined schedule to pormit fontinuous operation of group of vehicles at aplanned mate of speed.

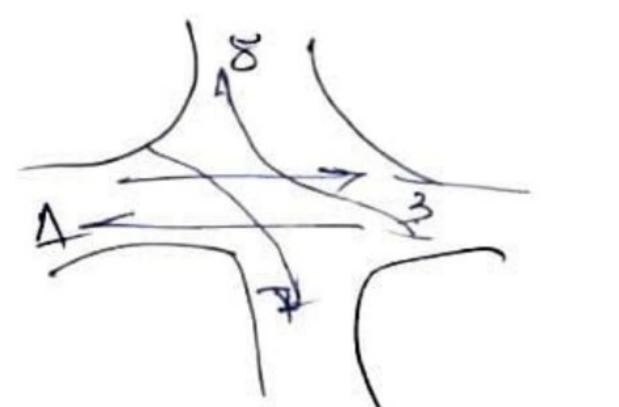
, Flexible progressive system

It is passible at each intersection to automatically

Twophasesignals

Two phase system is usually adopted if through traffices significant compared to turing movements to example integ, non-conflicting through traffic sand to and non-sand through traffic single phase and non-conflicting through traffic land a grouped in street sound conflicting through traffic land a grouped in street sound

thi



This phascos possible only if the turning movements our relatively tow.

= 5) Discuss the various objectives of good markings indetail

oins The essential purpose of road markings is to guide and control trafficon a highway -The road markings are defined as words. times pattans, except signs set into applied or attached to casasing chay, for controlling, guiding and into iming the users

Role of Road maskings:

=> Togulide and control traffic on the highway

=7 To some as a pyschological bourse

To delineate traffic pathand its lateral cleanance from traffic hazards

Road Manking rolois

480 colour. white mankings except those intended for parking gestictions in Markings Inknded yellow to 1 parking restrictions atternate bands of whiteamt 6beck curbobject markings

Road Markings - classification

consider way markings.

Longitudinal markings.

Longit

Markings on intersections:

Stoplines igive way lines,

pedestation racessings,

cyclist crossings,

direction accrows,

paratected alight tom

paratected alight tom

tance.

Markings on hazardare

transition, obstruction approaches proad-rail level mossingsichect boures.

Manking sparelimits.

parking restrictions,

busstops

Mord messages

Stopislowibusiochool,

Cx lt onta

=1 object markings =1 object mithin maniageway 5 Safety at construction dite most essential datety practices or In contractor should be following - promsonal protective environment (PPE) - ) Follow Environmental Guildelines Theepthchort Otreaclean = 1 Ladder safety 1 = 1 No Condinginside the site penimeter = ) Litting precoutions =) ba obagy fittaurud In any construction project for basic safety precautions to be impermented = = 1 Gruard 9 alls to be installed in open ocatold areas, all opening in the building floor, =1 Yellow shetcas with satety notes to be pasted where necessary = KAllthe Work platterm should be sto ble,
properly braced, should not be ovaloaded.
properly braced, should not be ovaloaded.
-> CAll the working areas should be fee from

waste.