



GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

(AN AUTONOMOUS COLLEGE U/S 2(f) & 12(B) OF UGC ACT - 1956)
AICTE Approved, Punjab Govt. Aided Status ISO : 9001:2008 Certified Affiliated to I.K. Gujral PTU Jalandhar
IEI Accredited UG Programmes, Institute Accredited by NAAC (A Grade) & TCS

Total no. of extra sheet (1)

Dated 29/Sept/22 Class Dr IT - B1 Sec B1
Class Roll No. 1921091 Subject EIA

University Roll. No. 1905391 Signature of Invigilator

| Q. No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Total Marks | Sign. of Examiner |
|--------|---|---|---|---|---|---|---|-------------|--------------------|
| Marks | | | | | | | | <u>22</u> | <u>[Signature]</u> |

[Signature]

Q1:- Benefits include to local communities from taking part in environmental assessments are:-

1. Improved balanced life.
2. They can have good entertainment.
3. Increases the knowledge and upskills their skills.
4. Good health.

And for project:-

1. Reduce cost and time of project.
2. Avoided clean/healthcare costs.
3. Improves the project.

Q2:- Five points about the scope of EIA with examples are:-

1. An instrument for sustainable development:-
eg. EIA can make us the instrument for sustainable development for eg in ozone layer, that the way it is depleting we can make it correct by EIA.
2. Aid for fundamental development:-
If we want to develop, then through EIA we can achieve that. as EIA will remove all the negative impacts.
3. Decision Making:-
making, like for eg taking renewals from others will help out more and make it more better.

④ Better Environment :- With the help of EIA, we can make better environment, by taking all the necessary steps.

⑤ Saving Wildlife and vegetation :- With EIA, in future we can achieve the targets such as saving the extinct species.

Q3. at last.

Q4. EIA represents a systematic process that examines the environmental consequences of the development actions in advance. This statement is rightly said, EIA represents a systematic process, before going any project, EIA first goes to all of the phases, scope, screening, mitigation and so on. And examine the environmental consequences that what activity will affect what kind of impact and how much effect, low risk activity, high risk activity or middle risk. And on the basis of the full study it is further concluded that whether project should be approvable or not. And if there are some effects or which are affecting so EIA systematically gives those remedies so that can be improved. And all this are done in advance, so that any kind of impact which is negative that can be made correct or removed.

→ In EIA, through all the phases it make sure that all the part of consequences of development action does not impact bad on environment.

Q4 - If you are given a project
 and you are given a
 after that EIA you are to
 give an answer and it is not
 not to be made after the
 and
 it is - if you want to make a
 in the way that after that
 disposal you can get rid of it in the
 waste.

Q5 - The Environment Assessment programme
 ensures consideration of environmental
 implications before making a final
 decision of assessing the
 environmental attribute.

So before assessing any environmental
 attribute, environment assessment
 procedure they ensure the consideration of
 environmental decision. for example:-
 we want to set up a chemical
 factory so before that we need to see
 all the attributes that can affect like
 land, soil, water bodies near them, air
 quality, health, life is nearby communities,
 so all these factors are considered before.
 And somehow we find that the waste
 disposal from factory can affect the water body
 so we need to find some alternatives for
 the same.

Along with that if we are using some
 environmental attribute then we need to
 make sure that to mind the bad effect of
 that

eg:- if that water body is to be used so we
 need to make sure that that water should be
 reused again and all these impacts

alternatives are necessary to be considered before making final decision.

Ans:- Criteria for selecting EIA methodologies are:-

General:-

(a) Simplicity:-

first is simplicity, that there must be simplicity in the methodology so we can easily understand that.

(b) - Manpower, time and budget constraints:-

→ There must be manpower they use, the time for the implementation and how much budget it will take on overall method. So these three things need to be there.

(c) - Flexibility:-

It must be flexible according to the time, and the requirement needed.

Impact Identification:-

(a) Comprehensiveness:- we need to identify the impact and for that it must be comprehensive, that is comprehensive to change to mind.

(b) Specificity:- the specificity must be required that at what kind it belongs to.

(c) Isolation of the Project Impacts:-

we need to isolate our impacts of our project.



GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

(AN AUTONOMOUS COLLEGE UNDER UGC ACT - 1956)

AICTE Approved ISO : 9001-2015 Certified, Affiliated to I.K. Gujral PTU Kapurthala
IEI Accredited UG Programmes, Institute Accredited by NAAC ('A' Grade) & TCS

Sheet 1

Dated 29, Sept, 22 Class IT-B1 Sec B1

Class Roll No. 1921091

Subject EIA

University Roll. No. 1905391
Signature of Invigilator

| Q. No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Total Marks | Sig. of Examiner |
|--------|---|---|---|---|---|---|---|-------------|------------------|
| Marks | | | | | | | | | |

Ans 6:- Map Overlays Method:-

Map Overlays Method is a type of methodologies. It is easy to understand.

① Preparation of set of transparent maps which represents the spatial distribution of environmental characteristics. All these are in series of stack.

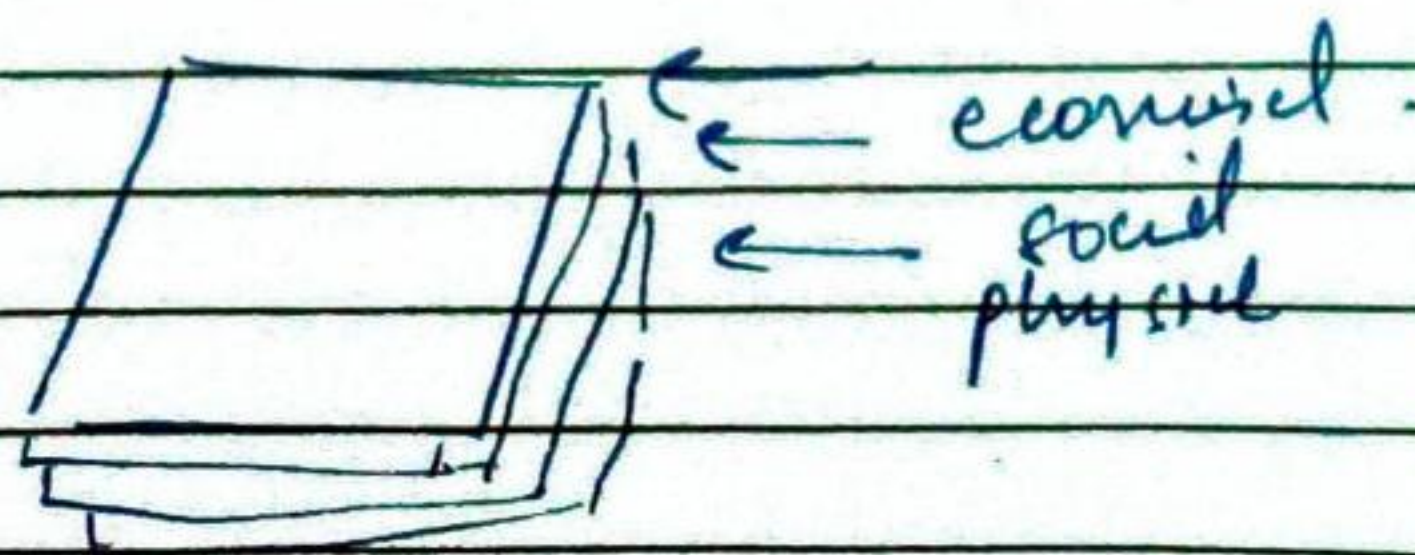
② For further formation, wide range of variables are collected for standard geographical units. units in the studied area which further recorded for the same on the series of map.

③ Then these maps are overlaid on the each other as composite. since they overlaid on each other that's why we named this methodology as map overlays.

④ the component of resultant map characteristic of areas as physical, economical, social, and use these characteristics.

⑤ for ~~evaluat~~ evaluation, the degree of associated impact is evaluated.

⑥ Many projects assignments are located on these Maps.



⑦ function for to be parametrised, the parameter is done upto 10 which gives us more clarity and make easy to understand the impact.

To prepare the Paper Mill map:-

① So in first we need to distribute the environmental character for the same.

② And then the variables also to be chosen.

So the impact which it can be by Paper Mill

* Impact of environment :- can lead to deforestation.

* Impact on air → with the ~~help~~ this air pollution can be there.

* Disposable waste :- withdrawing waste.

Limitation:-

① This method has not the major implication whereas in the ^{economic} ~~has~~ aspect of the activity.

② Map Overlay does not work well or not useful when there are more attributes or values need to be considered.

③ This method does not provide ~~quantitative~~ quantitative values whereas it to be needed.