



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, May 2020**

**Programme Name: B. Plan**

**Course Name : Environmental Impact Assessment**

**Course Code : BPLE 412**

**of page(s) :4**

**Semester : VIII**

**Time : 03 Hrs**

**Max. Marks : 100 Nos.**

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**Instructions: Please attempt all questions from Section “A”, Section “B” and Section “C”**

**Section A (06x05=30Marks)**

**Q.1 Fill in the Blanks**

**(5 x 1 = 05 Marks)**

- i) The 1.5 km distance around the plant is a fenced area called ----- zone and is under total control of the Nuclear Power Plant in which no member of public is allowed to enter without permission.
- ii) EIA notification was introduced in India as a Legislative measure in the year ----- under Environment Protection Act 1986.
- iii) The waste which is generated from hospitals, laboratories and industry, as well as from the nuclear fuel cycle is known as ----- level radioactive waste.
- iv) In ----- method expert , (scientist , engineers and managers) review and identify the different project events and assess their possible effect on environment condition in that particular locality.
- v) A computer based model called -----has been developed for calculation of the amount, rates and spatial distribution of sediment in lakes and reservoirs.

**Q.2. Write True or False**

**(5 X 1= 5 Marks)**

- i) Township and area development projects as per the EIA notification of 2006 are under category ‘B’ covering an area  $\geq 50$  ha and do not require scoping process.
- ii) The environmental clearance process for all projects in Category B will comprise of a maximum of three stages with no threshold limit and there is no screening required for this category of projects.

iii) The prime objective of the baseline study with respect to ambient air quality is to present ambient air quality data and its non conformity to National Ambient Air Quality Standards.

iv) United States of America was the first country to assign mandatory status to EIA through its National Environmental Protection Act (NEPA) of 1969.

v) A Water Resource Development Project leads to number of changes in the ecosystem during construction stages as well as during operating stages.

**Q.3. Expand following abbreviations**

**(5 X 1 = 5 Marks)**

i) EIS-----

ii) OECD-----

iii) COD -----

iv) BOD -----

v) EAC -----

**Q.4. Choose the correct answers**

**(5 X 1 = 5 Marks)**

i) Environment concern enter into every step of the process with respect to manufacturing of the products and examine environmental impact of the product at all stage of product life cycle is knows as

- a) Life Cycle Assessment    b) Regional EIA    c) Rapid EIA    d) Strategic EIA

ii)----- of the project shall be performed at the initial stage of the project development so that proponents are aware of their obligations before deciding on the budget, project design and execution plan.

- a) Screening                      b) Scoping                      c) Public Consultation                      d) TOR

iii) Emergency Planning Zone extend up to ----- km form the project site for the Nuclear Power Plant.

- a) 1.5 km                      b) 15 km                      c) 10 Km                      d) 30 km

iv) The project which does not require EIA and public consultation come under the category of -- -- project.

- i) B1                      ii) A                      c) C                      d) B2

v) -----of environmental impacts requires the greatest degree of scientific application. It involves projecting the baseline environmental setting into the future, with and without the



**Question No. (13) is compulsory; however, internal choice is given among Question No.14 & Question No.15, student may attempt any one question either Question No.14 or Question No.15**

Q.13. Describe various component of EIA which are considered for taking Environmental Clearance from Ministry of Environment and Forest & Climate change for Thermal Power Plant.

(10 Marks)

Q.14. What do you mean by TOR (Terms of Reference). Evaluate all environmental components which are considered under TOR (Term of Reference) for Hydel Power Plant. (10 Marks)

**Or**

Q.15. Explain any five methodologies which you will implement for taking environmental clearance for Mining Project from Ministry of Environment & Forest & Climate Change.

(10 Marks)