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FOR JNUEE EXAM PREPARATION

JNUEE 2022 Question Paper · Ph.D Energy Studies Programme

EXAM	YEAR	TYPE	SUBJECT
JNUEE	2022	Question Paper	Ph.D Energy Studies Programme

राष्ट्रीय परीक्षा एजेंसी
National Testing Agency
Excellence in Assessment

Test Date : 09 Dec 2022 **Test Slot : Slot 1**

Subject : ESPH-Energy Studies Programme

Sl. No.1
QBID:8472001

What type of algorithms are used for clustering?

(A) hierarchical or partitional

(B) closed or open

(C) deterministic or probabilistic

(D) hard or fuzzy

(E) normal or partial

Choose the most appropriate answer from the options given below :

(1) A, B, C only

(2) C, B, D only

(3) D, A, B only

(4) A, C, D only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12201]
2[Option ID=12202]
3[Option ID=12203]
4[Option ID=12204]

Sl. No.2
QBID:8472002

———— is a method which allows the identification of a target group's decision-making processes through the perspectives of the members of the target groups themselves.

(1) Survey method modelling

(2) Secondary data modelling

(3) Interview interaction modelling

(4) Ethnographic decision tree modelling

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12205]
2[Option ID=12206]
3[Option ID=12207]
4[Option ID=12208]

Sl. No.3
QBID:8472003

The Association Rule analysis consists of following 4 steps

(A) Proposition – development

(B) Data – preparation

(C) Anticipation

(D) AR Discovery

(E) AR Pruning

Choose the correct answer from the options given below :

(1) A, B, C, D only

(2) B, C, D, E only

(3) A, B, D, E only

(4) C, A, D, E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12209]
2[Option ID=12210]
3[Option ID=12211]
4[Option ID=12212]

Sl. No.4
QBID:8472004

Match List-I with List-II:

	List I Theory		List II Thinker
(A)	Structuration	(I)	Brownislaw Malinowski
(B)	Ethnomethodology	(II)	Garfinkel
(C)	Functionalism	(III)	Giddens
(D)	Structural Functionalism	(IV)	Parsons

Choose the correct answer from the options given below :

(1) (A)-(III), (B)-(II), (C)-(IV), (D)-(I)

(2) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)

(3) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)

(4) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12213]
2[Option ID=12214]
3[Option ID=12215]
4[Option ID=12216]

Sl. No.5
QBID:8472005

Which of the following is not a feature of survey research design?

(1) Pattern
(2) Sequence
(3) Open-discussion
(4) Closed-ended question

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12217]
2[Option ID=12218]
3[Option ID=12219]
4[Option ID=12220]

Sl. No.6
QBID:8472006

Match List-I with List-II:

List I Theories/Concept		List II Thinkers	
(A)	Soft Power	(I)	Ian-Manners
(B)	Anomie	(II)	Joseph Nye
(C)	Verstehen	(III)	Durkheim
(D)	Normative Power	(IV)	Weber

Choose the correct answer from the options given below :

(1) (A)-(I), (B)-(IV), (C)-(III), (D)-(II)
(2) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
(3) (A)-(III), (B)-(I), (C)-(II), (D)-(IV)
(4) (A)-(IV), (B)-(II), (C)-(I), (D)-(III)

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12221]
2[Option ID=12222]
3[Option ID=12223]
4[Option ID=12224]

Sl. No.7
QBID:8472007

Match List I with List II:

List I Thinker		List II Concept/Work	
(A)	Karl Popper	(I)	Class conflict
(B)	Karl Marx	(II)	Market embeddedness
(C)	Karl Mannheim	(III)	Conjectures and Refutations
(D)	Karl Polayni	(IV)	Sociology of Knowledge

Choose the correct answer from the options given below :

(1) (A)-(II), (B)-(IV), (C)-(I), (D)-(III)
(2) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
(3) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)
(4) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12225]
2[Option ID=12226]
3[Option ID=12227]
4[Option ID=12228]

Sl. No.8
QBID:8472008

Match List I with List II:

List I Concept		List II Sub concept	
(A)	Research Design	(I)	Consent
(B)	Research Ethics	(II)	Interview
(C)	Research Method	(III)	Corruption
(D)	Research Problem	(IV)	Ethnography

Choose the correct answer from the options given below :

(1) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)
(2) (A)-(IV), (B)-(I), (C)-(II), (D)-(III)
(3) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
(4) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12229]
2[Option ID=12230]
3[Option ID=12231]
4[Option ID=12232]

Sl. No.9
QBID:8472009

Match List I with List II:

List I Research Techniques		List II Research Design	
(A)	Structured observation	(I)	Ethnography
(B)	Structured questions	(II)	Comparative
(C)	Unstructured	(III)	Survey
(D)	Synchronic	(IV)	Experimental

Choose the correct answer from the options given below :

(1) (A)-(II), (B)-(I), (C)-(III), (D)-(IV)
(2) (A)-(III), (B)-(II), (C)-(IV), (D)-(I)
(3) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
(4) (A)-(I), (B)-(IV), (C)-(II), (D)-(III)

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12233]
2[Option ID=12234]
3[Option ID=12235]
4[Option ID=12236]

Sl. No.10
QBID:8472010

Which one is not a type of triangulation?

(1) Theory
(2) Methodology
(3) Ethics
(4) Data

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12237]
2[Option ID=12238]
3[Option ID=12239]
4[Option ID=12240]

Sl. No.11
QBID:8472011

What is perceived as cornerstone of Scientific Progress?

(A) Problem Solving

(B) Identification of problem

(C) Systematic Research

(D) Technological Development

(E) Solution Finding

Choose the correct answer from the options given below :

(1) (C) only

(2) (E) and (B) only

(3) (A) only

(4) (A) and (D) only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12241]
2[Option ID=12242]
3[Option ID=12243]
4[Option ID=12244]

Sl. No.12
QBID:8472012

Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion (A) : Empirical approach is an evidence based approach.

Reasons (R) : It relies on direct observation and experimentation in the acquisition of new knowledge.

In the light of the above statements, choose the most appropriate answer from the options given below:

(1) Both (A) and (R) are correct and (R) is the correct explanation of A

(2) Both (A) and (R) are correct but (R) is NOT the correct explanation of A

(3) (A) is correct but (R) is not correct

(4) (A) is not correct but (R) is correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12245]
2[Option ID=12246]
3[Option ID=12247]
4[Option ID=12248]

Sl. No.13
QBID:8472013

Match List I with List II:

	List I		List II
(A)	Structure of Scientific Revolution	(I)	Durkheim
(B)	Cereberal Hygiene	(II)	R.K. Merton
(C)	Organic Analogy	(III)	August Comte
(D)	Latent and manifest functions	(IV)	Thomas Kuhn

Choose the correct answer from the options given below :

(1) (A)-(II), (B)-(I), (C)-(III), (D)-(IV)

(2) (A)-(III), (B)-(II), (C)-(IV), (D)-(I)

(3) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)

(4) (A)-(I), (B)-(IV), (C)-(II), (D)-(III)

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12249]
2[Option ID=12250]
3[Option ID=12251]
4[Option ID=12252]

Sl. No.14
QBID:8472014

Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion (A) : Positive and Negative are types of correlation.

Reasons (R) : Correlations are not useful in prediction of trends in quantitative approaches.

In the light of the above statements, choose the most appropriate answer from the options given below:

(1) Both (A) and (R) are True and (R) is the correct explanation of A

(2) Both (A) and (R) are True but (R) is the NOT correct explanation of A

(3) (A) is true but (R) is false

(4) (A) is false but (R) is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12253]
2[Option ID=12254]
3[Option ID=12255]
4[Option ID=12256]

Sl. No.15
QBID:8472015

What are the prerequisites for inferences of causality?

(A) The cause must precede the effect

(B) They must occur in sequence as defined by researcher

(C) The variables are quantifiable

(D) Alternative explanation for the relationship must be ruled out

(E) There must be an existing relationship between two events

Choose the correct answer from the options given below :

(1) A, B, C only

(2) C, B, D only

(3) B, D, E only

(4) A, D, E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12257]
2[Option ID=12258]
3[Option ID=12259]
4[Option ID=12260]

Sl. No.16
QBID:8472016

Which of the following is not a criteria for choosing a Research Topic?

(1) Interest of researcher

(2) Previous research

(3) Popularity of topic

(4) Problem solving

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12261]
2[Option ID=12262]
3[Option ID=12263]
4[Option ID=12264]

Sl. No.17
QBID:8472017

A good research problem should meet following criteria

(A) describe relationship between two or more variables

(B) should be justifiable

(C) take form of a question

(D) must be falsified

(E) capable of being tested empirically

Choose the correct answer from the options given below :

(1) A, B, C only

(2) D, E, A only

(3) A, C, E only

(4) B, C, D only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12265]
2[Option ID=12266]
3[Option ID=12267]
4[Option ID=12268]

Sl. No.18
QBID:8472018

Which of the following is NOT a type of variable?

(A) Continuous

(B) Dependent

(C) Categorical

(D) Independent

(E) Systematic

Choose the correct answer from the options given below :

(1) A, B, C, D only

(2) B, C, D, E only

(3) C, D, E, A only

(4) D, A, B, E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12269]
2[Option ID=12270]
3[Option ID=12271]
4[Option ID=12272]

Sl. No.19
QBID:8472019

Match List I with List II:

	List I Type of Validity		List II Feature
(A)	Internal	(I)	Generalisability
(B)	External	(II)	Quantitative
(C)	Construct	(III)	Rule out alternative explanation
(D)	Statistical	(IV)	Causal relationship

Choose the correct answer from the options given below :

(1) (A)-(I), (B)-(IV), (C)-(II), (D)-(III)
(2) (A)-(II), (B)-(III), (C)-(I), (D)-(IV)
(3) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
(4) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12273]
2[Option ID=12274]
3[Option ID=12275]
4[Option ID=12276]

Sl. No.20
QBID:8472020

Which of the following is NOT a method for controlling sources of Artifact and Bias?

(1) Random selection
(2) Random rejection
(3) Experimental design
(4) Random assignment

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12277]
2[Option ID=12278]
3[Option ID=12279]
4[Option ID=12280]

Sl. No.21
QBID:8472021

Which of the following is a potential source of error in measurement?

(A) Situation
(B) Measurer
(C) Experiment
(D) Instrument
(E) Respondent

Choose the most appropriate answer from the options given below :

(1) A, B, C only
(2) C, B, D only
(3) A, B, D, E only
(4) B, C, D, E only

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12281]
2[Option ID=12282]
3[Option ID=12283]
4[Option ID=12284]

Sl. No.22
QBID:8472022

Which of the following is NOT an aim of sampling theory?

(1) Testing of hypothesis
(2) Statistical inference
(3) Statistical choice
(4) Statistical estimation

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12285]
2[Option ID=12286]
3[Option ID=12287]
4[Option ID=12288]

Sl. No.23
QBID:8472023

Which of the following is NOT a method in Field Research?

(1) Diary records/Life histories
(2) Mail Questionnaire
(3) Tape and film listening
(4) Focused interview

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12289]
2[Option ID=12290]

3[Option ID=12291]
4[Option ID=12292]

Sl. No.24
QBID:8472024

The logic in which reasoning moves from general to particular is called as

(1) Induction
(2) Abduction
(3) Reduction
(4) Deduction

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12293]
2[Option ID=12294]
3[Option ID=12295]
4[Option ID=12296]

Sl. No.25
QBID:8472025

What is NOT a feature of survey?

(1) Systematic
(2) Cost effective
(3) Easy to quantify
(4) Allows freedom to express

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12297]
2[Option ID=12298]
3[Option ID=12299]
4[Option ID=12300]

Sl. No.26
QBID:8472026

Which of the following is not a type of Hypothesis?

(1) Null hypothesis
(2) Directional hypothesis
(3) Falsified hypothesis
(4) Alternate hypothesis

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12301]
2[Option ID=12302]
3[Option ID=12303]
4[Option ID=12304]

Sl. No.27
QBID:8472027

Validity and invalidity deals with

(A) Arguments

(B) Deductive arguments

(C) Statement

(D) Inductive arguments

(E) Critical argument

Choose the most appropriate answer from the options given below :

(1) (B) and (E) only

(2) (A) and (B) only

(3) (D) and (E) only

(4) (C) and (A) only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12305]
2[Option ID=12306]
3[Option ID=12307]
4[Option ID=12308]

Sl. No.28
QBID:8472028

Steps of conducting research process are as follows

(A) Designing methodology

(B) Research literature review

(C) Formulation of objective

(D) Statement of problem

(E) Collecting and analysing data

Choose the correct answer from the options given below :

(1) A, C, E, B, D

(2) B, D, C, A, E

(3) D, C, A, E, B

(4) C, A, D, B, E

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12309]
2[Option ID=12310]
3[Option ID=12311]
4[Option ID=12312]

Sl. No.29
QBID:8472029

What are the various ways to check plagiarism?

(A) Describing

(B) Quoting

(C) Summarizing

(D) Analyzing

(E) Para phrasing

Choose the most appropriate answer from the options given below :

(1) B, E, C only

(2) A, E, C only

(3) C, D, A only

(4) A, D, E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12313]
2[Option ID=12314]
3[Option ID=12315]
4[Option ID=12316]

Sl. No.30
QBID:8472030

Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R

Assertion (A) : The internet is a collection of interconnected computer networks, linked by transmission medium such as copper wires, fibre optic cables, wireless connection etc.

Reasons (R) : World Wide Web is a collection of interconnected elements.

In the light of the above statements, choose the correct answer from the options given below:

(1) Both (A) and (R) are True and (R) is the correct explanation of A

(2) Both (A) and (R) are True but (R) is the not correct explanation of A

(3) (A) is true but (R) is false

(4) (A) is false but (R) is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12317]
2[Option ID=12318]
3[Option ID=12319]
4[Option ID=12320]

Sl. No.31
QBID:8472031

The basic features of exploratory research design are

(A) It is more base line information

(B) It is in-depth study with generalization

(C) It is difficult to give generalization in the study

(D) There is a scope for further research

(E) It is unreliable

Choose the most appropriate answer from the options given below :

(1) A, C, E only

(2) B, C, D only

(3) A, C, D only

(4) B, D, E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12321]
2[Option ID=12322]
3[Option ID=12323]
4[Option ID=12324]

Sl. No.32
QBID:8472032

The process of triangulation in research helps in

(A) Presentability

(B) Validity

(C) Performability

(D) Reliability

(E) Logical reasoning

Choose the most appropriate answer from the options given below :

(1) B and D only

(2) A and C only

(3) D and E only

(4) B and E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12325]
2[Option ID=12326]
3[Option ID=12327]
4[Option ID=12328]

Sl. No.33
QBID:8472033

Qualitative Research is not a part of

(A) Survey method

(B) Interview method

(C) Regression analysis

(D) Meta-analysis

(E) Ethnography

Choose the most appropriate answer from the options given below :

(1) A, B, D only

(2) B, D, E only

(3) A, C, D only

(4) A, C, E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12329]
2[Option ID=12330]
3[Option ID=12331]
4[Option ID=12332]

Sl. No.34
QBID:8472034

Which one is NOT a part of narrative research approach?

(1) Life History

(2) Autoethnography

(3) Oral History

(4) Meta analysis

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12333]
2[Option ID=12334]
3[Option ID=12335]
4[Option ID=12336]

Sl. No.35
QBID:8472035

Participant observation largely involves

(1) Correlation and regression analysis

(2) Descriptive and survey research

(3) Ethnography and meta-analysis

(4) Ethnography and grounded theory

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12337]
2[Option ID=12338]

3[Option ID=12339]
4[Option ID=12340]

Sl. No.36
QBID:8472036

A tentative proposition with unknown validity that specifies a relationship between two or more variables is called as

(1) Research problem
(2) Research proposal
(3) Research design
(4) Research hypothesis

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12341]
2[Option ID=12342]
3[Option ID=12343]
4[Option ID=12344]

Sl. No.37
QBID:8472037

Snowball sampling is the process of selecting a sample using

(1) Networking
(2) Groups
(3) Snowball
(4) Computer Programming

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12345]
2[Option ID=12346]
3[Option ID=12347]
4[Option ID=12348]

Sl. No.38
QBID:8472038

Randomization does not involve

(1) Coin method
(2) Lottery method
(3) Tippit method
(4) Traditional method

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12349]
2[Option ID=12350]
3[Option ID=12351]
4[Option ID=12352]

Sl. No.39
QBID:8472039

A null hypothesis is

(1) Hypothesis of no difference
(2) Hypothesis that assigns value
(3) Hypothesis of zero significance
(4) Hypothesis of big difference

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12353]
2[Option ID=12354]
3[Option ID=12355]
4[Option ID=12356]

Sl. No.40
QBID:8472040

Extraneous variable can also be called as

(1) Dependent variable
(2) Independent variable
(3) Multiple variable
(4) Single variable

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12357]
2[Option ID=12358]
3[Option ID=12359]
4[Option ID=12360]

Sl. No.41
QBID:8472041

Which of the following is not needed for the experimental research?

(1) Observation
(2) Reference collection
(3) Controlling
(4) Manipulation

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12361]
2[Option ID=12362]
3[Option ID=12363]
4[Option ID=12364]

Sl. No.42
QBID:8472042

The 'logic of induction' is very much related with

(1) Logic of deduction
(2) Logic of reasoning
(3) Logic of sampling
(4) Logic of questioning

(1) 1
(2) 2
(3) 3

(4) 4

1[Option ID=12365]
2[Option ID=12366]
3[Option ID=12367]
4[Option ID=12368]

Sl. No.43
QBID:8472043

Longitudinal study of research deals with

(1) Long term researches
(2) Short term researches
(3) Horizontal researches
(4) Evaluative researches

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12369]
2[Option ID=12370]
3[Option ID=12371]
4[Option ID=12372]

Sl. No.44
QBID:8472044

Which of the following is not a type of hypothesis?

(1) Directional
(2) Declarative
(3) Interrogative
(4) Interpretive

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12373]
2[Option ID=12374]
3[Option ID=12375]
4[Option ID=12376]

Sl. No.45
QBID:8472045

Type-I error occurs when

(1) The null hypothesis is rejected when it is false
(2) The null hypothesis is accepted even when it is false
(3) The null hypothesis is rejected even when it is true
(4) The null hypothesis is accepted when it is true

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12377]
2[Option ID=12378]
3[Option ID=12379]
4[Option ID=12380]

Sl. No.46
QBID:8472046

Tippit table is not used for

(1) used in sampling method
(2) used in statistical investigation
(3) a table of random digits
(4) narrative analysis

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12381]
2[Option ID=12382]
3[Option ID=12383]
4[Option ID=12384]

Sl. No.47
QBID:8472047

"Ethical transgression " in research is

(1) to evaluate ethical principle
(2) to analyze ethical values
(3) to define ethics
(4) to defy ethical principles

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12385]
2[Option ID=12386]
3[Option ID=12387]
4[Option ID=12388]

Sl. No.48
QBID:8472048

Regression can be defined as

(1) relationship between hypothesis and question
(2) determination of variable of interest
(3) determination of statistical relationship between two or more variables
(4) relationship between research problem and objective

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12389]
2[Option ID=12390]
3[Option ID=12391]
4[Option ID=12392]

Sl. No.49
QBID:8472049

Which of the following is non-probabilistic sampling?

(1) Systematic random
(2) Accidental sampling
(3) Stratified sampling
(4) Simple random

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12393]
2[Option ID=12394]
3[Option ID=12395]
4[Option ID=12396]

Sl. No.50
QBID:8472050

Grounded theory is a type of

(1) Deductive research
(2) Correlational research
(3) Inductive research
(4) Critical research

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12397]
2[Option ID=12398]
3[Option ID=12399]
4[Option ID=12400]

Sl. No.51
QBID:8472051

One of the following is not considered as biomass energy resource

(1) Sea weed
(2) Slaughter house waste
(3) Pet Coke
(4) Charcoal

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12401]
2[Option ID=12402]
3[Option ID=12403]
4[Option ID=12404]

Sl. No.52
QBID:8472052

The name of the world commission on environment and development is

(1) Brundtland Commission
(2) Zakaria Commission
(3) Planning Commission
(4) Sarkaria Commission

(1) 1
(2) 2
(3) 3

(4) 4

1[Option ID=12405]
2[Option ID=12406]
3[Option ID=12407]
4[Option ID=12408]

Sl. No.53
QBID:8472053

CFC stands for

(1) Chloro Fluro Carbons
(2) Compact Fluro Carbons
(3) Carbon Fluorine Carbon
(4) Carbon Fluorine Carbonate

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12409]
2[Option ID=12410]
3[Option ID=12411]
4[Option ID=12412]

Sl. No.54
QBID:8472054

Inexhaustible energy sources are known as

(1) Commercial energy
(2) Primary energy
(3) Renewable energy
(4) Final energy

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12413]
2[Option ID=12414]
3[Option ID=12415]
4[Option ID=12416]

Sl. No.55
QBID:8472055

Global Warming occurs due to release of

(1) SO_2
(2) Greenhouse gases
(3) Inert gases
(4) Free chlorine

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12417]
2[Option ID=12418]
3[Option ID=12419]
4[Option ID=12420]

Sl. No.56
QBID:8472056

Which of the fuel dominates the energy mix in India?

(1) Natural gas (2) Nuclear energy

(3) Coal (4) Oil

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12421]
2[Option ID=12422]
3[Option ID=12423]
4[Option ID=12424]

Sl. No.57
QBID:8472057

Which of the following consumes least amount of electricity?

(1) Incandescent bulb (2) Compact fluorescent lamp

(3) Light emitting diode (4) Fluorescent tube light

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12425]
2[Option ID=12426]
3[Option ID=12427]
4[Option ID=12428]

Sl. No.58
QBID:8472058

The main constituents of compressed natural gas is

(1) Methane (2) Butane

(3) Ethane (4) Propane

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12429]
2[Option ID=12430]
3[Option ID=12431]
4[Option ID=12432]

Sl. No.59
QBID:8472059

The process in which solar water heater utilises the solar energy for heating the water is known as

(1) solar photovoltaic (2) solar thermal

(3) solar cells (4) solar electricity

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12433]
2[Option ID=12434]
3[Option ID=12435]
4[Option ID=12436]

Sl. No.60
QBID:8472060

All the successive stages involved with the supply of an energy source to the end user is known as

(1) Energy cascading
(2) Energy conservation
(3) Energy chain
(4) Energy carrier

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12437]
2[Option ID=12438]
3[Option ID=12439]
4[Option ID=12440]

Sl. No.61
QBID:8472061

Which fuel is used most commonly for generating electricity in India?

(1) Coal
(2) Wind
(3) Uranium
(4) Water

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12441]
2[Option ID=12442]
3[Option ID=12443]
4[Option ID=12444]

Sl. No.62
QBID:8472062

Process in which gases absorb thermal energy and radiate it towards earth is called

(1) Greenhouse effect
(2) Corcolis effect
(3) Global warming
(4) Law of effect

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12445]
2[Option ID=12446]
3[Option ID=12447]
4[Option ID=12448]

Sl. No.63
QBID:8472063

One Kilowatt is equivalent to

(1) 10 watts
(2) 100 watts
(3) 1000 watts
(4) 10,000 watts

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12449]
2[Option ID=12450]
3[Option ID=12451]
4[Option ID=12452]

Sl. No.64
QBID:8472064

A form of matter that can transport energy from one point to another, such as electricity and hydrogen is called

(1) Energy transporter
(2) Energy carriers
(3) Energy mover
(4) Energy taber

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12453]
2[Option ID=12454]
3[Option ID=12455]
4[Option ID=12456]

Sl. No.65
QBID:8472065

The tendency of a population to increase the quantity of its energy use to improve its socio-economic status is termed as

(1) Energy intensity
(2) Energy label
(3) Energy ladder
(4) Energy level

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12457]
2[Option ID=12458]
3[Option ID=12459]
4[Option ID=12460]

Sl. No.66
QBID:8472066

In any system, when energy is transformed from one form to another, some amount is lost. Which of the following form of the energy is mostly lost?

(1) Heat energy
(2) Kinetic energy
(3) Chemical energy
(4) Potential energy

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12461]
2[Option ID=12462]
3[Option ID=12463]
4[Option ID=12464]

Sl. No.67
QBID:8472067

Fuels formed over millions of years from dead and decaying animals and plants are called

(1) Dino fuels
(2) Fossil fuel
(3) Renewable fuels
(4) Wood fuels

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12465]
2[Option ID=12466]
3[Option ID=12467]
4[Option ID=12468]

Sl. No.68
QBID:8472068

What is meant by co-generation?

(1) Simultaneous generation of power and heat
(2) Coolant generation
(3) Cooking gas generation
(4) Generation of power

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12469]
2[Option ID=12470]
3[Option ID=12471]
4[Option ID=12472]

Sl. No.69
QBID:8472069

Which of the following is a renewable energy?

(1) Diesel
(2) Bio-diesel
(3) Natural gas from gas hydrates
(4) Synthetic diesel obtained from coal

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12473]
2[Option ID=12474]
3[Option ID=12475]
4[Option ID=12476]

Sl. No.70
QBID:8472070

Which of the following is a disadvantage of most of the renewable energy sources?

(1) Highly polluting
(2) High waste disposal cost
(3) Intermittent supply
(4) High running cost

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12477]
2[Option ID=12478]
3[Option ID=12479]
4[Option ID=12480]

Sl. No.71
QBID:8472071

Energy derived from hot spots beneath the earth is called

(A) Bio-energy
(B) Nuclear energy
(C) Hydrogen energy
(D) Geo thermal energy

Choose the most appropriate answer from the options given below :

(1) (A) only
(2) (B) only
(3) (C) only
(4) (D) only

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12481]
2[Option ID=12482]
3[Option ID=12483]
4[Option ID=12484]

Sl. No.72
QBID:8472072

Which of the following is not a clean coal technology?

(1) Sub-critical boiler
(2) Super-critical boiler
(3) IGCC
(4) Coal to liquid

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12485]
2[Option ID=12486]

3[Option ID=12487]
4[Option ID=12488]

Sl. No.73
QBID:8472073

Which of the following country has the highest per capita CO_2 emissions?

(1) USA
(2) China
(3) South Africa
(4) Qatar

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12489]
2[Option ID=12490]
3[Option ID=12491]
4[Option ID=12492]

Sl. No.74
QBID:8472074

Which of the following does not involve a choice by the end use consumer?

(1) Star rating system
(2) Renewable purchase obligation
(3) Net metering
(4) Congestion tax

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12493]
2[Option ID=12494]
3[Option ID=12495]
4[Option ID=12496]

Sl. No.75
QBID:8472075

Which of the following is an non-combustible material?

(A) Paper
(B) Coal
(C) Cow dung cake
(D) Glass

Choose the most appropriate answer from the options given below :

(1) (A) only
(2) (B) only
(3) (C) only
(4) (D) only

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12497]

2[Option ID=12498]
3[Option ID=12499]
4[Option ID=12500]

Sl. No.76
QBID:8472076

The Tarapur Atomic Power Station is situated in

(1) Rajasthan, India
(2) Uttar Pradesh, India
(3) Maharashtra, India
(4) Kerala, India

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12501]
2[Option ID=12502]
3[Option ID=12503]
4[Option ID=12504]

Sl. No.77
QBID:8472077

Nuclear fusion reactions occur spontaneously in

(1) the core of earth
(2) commercial nuclear reactors
(3) the atmosphere of the sun
(4) on the surface of the moon

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12505]
2[Option ID=12506]
3[Option ID=12507]
4[Option ID=12508]

Sl. No.78
QBID:8472078

Which of the following statement is incorrect?

(A) Sun is the main source of several forms of energy available to mankind.
(B) Energy can be transformed from one form to another
(C) Energy can be created and destroyed
(D) Light is radiant energy

Choose the most appropriate answer from the options given below :

(1) (A) only
(2) (B) only
(3) (C) only
(4) (D) only

(1) 1
(2) 2
(3) 3
(4) 4

1[Option ID=12509]
2[Option ID=12510]
3[Option ID=12511]
4[Option ID=12512]

Sl. No.79
QBID:8472079

Which of the following statement is incorrect?

(A) Ethanol can be produced from sugarcane.

(B) Ethanol can act as substitute for petrol.

(C) Electricity is measured in kWh.

(D) Electricity cannot be produced by sunlight.

Choose the most appropriate answer from the options given below :

(1) (A) only

(2) (B) only

(3) (C) only

(4) (D) only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12513]
2[Option ID=12514]
3[Option ID=12515]
4[Option ID=12516]

Sl. No.80
QBID:8472080

Which of the following statement is not correct?

(A) Paris Agreement refers to net-zero emission targets.

(B) European Union has a net-zero emission target by 2050.

(C) Paris Agreement requires India to announce net zero emission targets.

(D) China has net-zero emisison targets by 2060.

Choose the most appropriate answer from the options given below :

(1) (A) only

(2) (B) only

(3) (C) only

(4) (D) only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12517]
2[Option ID=12518]
3[Option ID=12519]
4[Option ID=12520]

Sl. No.81
QBID:8472081

Given below are two statements:

Statement I : Political economy is the study of how politics and economics are related and how their relationship shapes the balance between freedom and equality.

Statement II : The interactions between political and economic institutions in any country will have no impact on the prosperity of every citizen.

In the light of the above statements, choose the correct answer from the options given below:

(1) Both Statement I and Statement II are true

(2) Both Statement I and Statement II are false

(3) Statement I is correct but Statement II is false

(4) Statement I is incorrect but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12521]
2[Option ID=12522]
3[Option ID=12523]
4[Option ID=12524]

Sl. No.82
QBID:8472082

Given below are two statements:

Statement I : The Human Development Index (HDI) looks at the total amount of the wealth in a society and its distribution. It also gives equal weight to income, health (life expectancy) and educational indicators.

Statement II : The HDI does not show a strong correlation between standard of living and a country's GDP.

In the light of the above statements, choose the correct answer from the options given below:

(1) Both Statement I and Statement II are true

(2) Both Statement I and Statement II are false

(3) Statement I is correct but Statement II is false

(4) Statement I is incorrect but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12525]
2[Option ID=12526]
3[Option ID=12527]
4[Option ID=12528]

Sl. No.83
QBID:8472083

Why was the International Monetary Fund (IMF) created?

(1) To ensure a stable exchange rate regime and provide emergency assistance to countries facing crises in balance of payments

(2) To be a forum for trade and liberalization

(3) To assist countries in development

(4) To facilitate private investment around the world

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12529]
2[Option ID=12530]
3[Option ID=12531]
4[Option ID=12532]

Sl. No.84
QBID:8472084

What are the major components of political economy?

(A) Markets and property

(B) Private goods

(C) Public goods

(D) Taxation

Choose the correct answer from the options given below :

(1) A, B, C only

(2) A, B, D only

(3) A, C, D only

(4) B, C, D only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12533]
2[Option ID=12534]
3[Option ID=12535]
4[Option ID=12536]

Sl. No.85
QBID:8472085

Which of the following are objectives of India's New Economic Policy?

(A) To strengthen the growth impulses in the economy.

(B) To set up new industries in foreign countries.

(C) To make our production units more efficient, highly productive and competitive.

(D) To make use of the global resources for India's progress and development.

Choose the correct answer from the options given below :

(1) A, B, C

(2) A, B, D

(3) A, C, D

(4) B, C, D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12537]
2[Option ID=12538]
3[Option ID=12539]
4[Option ID=12540]

Sl. No.86
QBID:8472086

Given below are two statements:

Statement I : Globalization means increasing integration between different economies and reducing economic gap between different nations in the world.

Statement II : This is achieved by enhancing all restrictions between nations on the movement of goods, services, capital and technology.

In the light of the above statements, choose the correct answer from the options given below:

(1) Both Statement I and Statement II are true

(2) Both Statement I and Statement II are false

(3) Statement I is correct but Statement II is false

(4) Statement I is incorrect but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12541]
2[Option ID=12542]
3[Option ID=12543]
4[Option ID=12544]

Sl. No.87
QBID:8472087

How do Mercantilist states seek to achieve economic power?

(A) Through partial or full state ownership of industries that are considered critical.

(B) With the strong use of tariffs, nontariff barriers and other regulations.

(C) By limiting social expenditures and thereby keeping taxation to a minimum.

(D) With low interest rates set by the central bank to encourage borrowing and investment.

Choose the correct answer from the options given below :

(1) A only

(2) A, B only

(3) A, B, C only

(4) A, B, C, D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12545]
2[Option ID=12546]
3[Option ID=12547]
4[Option ID=12548]

Sl. No.88
QBID:8472088

Af-Pak strategy was adopted by

(1) President William J. Clinton

(2) President Barack H. Obama

(3) President Donald J. Trump

(4) President George W. Bush

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12549]
2[Option ID=12550]
3[Option ID=12551]
4[Option ID=12552]

Sl. No.89
QBID:8472089

Given below are two statements:

Statement I : Public goods are those goods, provided or secured by the State, that are available for society and indivisible, meaning that no one private person or organisation can own them.

Statement II : Social expenditure refer to the State's provisions of public benefits, such as education, health care and transportation, is commonly called as 'welfare' or the 'welfare state'.

In the light of the above statements, choose the correct answer from the options given below:

(1) Both Statement I and Statement II are true

(2) Both Statement I and Statement II are false

(3) Statement I is correct but Statement II is false

(4) Statement I is incorrect but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12553]
2[Option ID=12554]
3[Option ID=12555]
4[Option ID=12556]

Sl. No.90
QBID:8472090

Given below are two statements:

Statement I : Inflation can be defined as an increase in the overall prices in the economy when supply outstrips demand.

Statement II : Hyperinflation is defined as inflation that is less than 50 percent a month for more than two months in a row.

In the light of the above statements, choose the correct answer from the options given below:

(1) Both Statement I and Statement II are true

(2) Both Statement I and Statement II are false

(3) Statement I is correct but Statement II is false

(4) Statement I is incorrect but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12557]
2[Option ID=12558]
3[Option ID=12559]
4[Option ID=12560]

Sl. No.91
QBID:8472091

Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion (A) : BRICS countries have been able to provide each other with less financial dependency on the West.

Reasons (R) : With the help of the New Development Bank (NDB) BRICS countries are provided development projects which reduce their dependence on Bretton Woods Institutions like IMF and World Bank.

In the light of the above statements, choose the most appropriate answer from the options given below:

(1) Both (A) and (R) are correct and (R) is the correct explanation of A

(2) Both (A) and (R) are correct but (R) is NOT the correct explanation of A

(3) (A) is correct but (R) is not correct

(4) (A) is not correct but (R) is correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12561]
2[Option ID=12562]
3[Option ID=12563]
4[Option ID=12564]

Sl. No.92
QBID:8472092

The South-China Sea conflict involves which of the following countries:

(A) Brunei

(B) Malaysia

(C) Thailand

(D) Vietnaam

(E) Taiwan

Choose the correct answer from the options given below :

(1) A, B, C, D only

(2) B, C, D, E only

(3) A, C, D, E only

(4) A, B, D, E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12565]
2[Option ID=12566]
3[Option ID=12567]
4[Option ID=12568]

Sl. No.93
QBID:8472093

Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion (A) : Diplomacy is an instrument of foreign policy in fulfilling national interest.

Reasons (R) : Diplomacy should never assess the national interests of other states and power available to fulfill their national interest.

In the light of the above statements, choose the most appropriate answer from the options given below:

(1) Both (A) and (R) are True and (R) is the correct explanation of A

(2) Both (A) and (R) are True but (R) is NOT the correct explanation of A

(3) (A) is True but (R) is False

(4) (A) is False but (R) is True

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12569]
2[Option ID=12570]
3[Option ID=12571]
4[Option ID=12572]

Sl. No.94
QBID:8472094

Choose the correct answer

(1) Security dilemma represents zero-sum game

(2) Defensive realism stresses on power maximization

(3) Offensive realism emphasizes on security maximization

(4) The main proponent of the theory of security dilemma is Hans J. Morgenthau

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12573]
2[Option ID=12574]
3[Option ID=12575]
4[Option ID=12576]

Sl. No.95
QBID:8472095

Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion (A) : According to neoclassical realism, the systemic factors (ponder on power distribution, anarchical structure) are essential.

Reasons (R) : Systematic factors contemplate over institutional construction and interrelationship, leaders and other vital social actors.

In the light of the above statements, choose the correct answer from the options given below:

(1) Both (A) and (R) are True and (R) is the correct explanation of A

(2) Both (A) and (R) are True but (R) is NOT the correct explanation of A

(3) (A) is True but (R) is False

(4) (A) is False but (R) is True

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12577]
2[Option ID=12578]
3[Option ID=12579]
4[Option ID=12580]

Sl. No.96
QBID:8472096

Barry Buzan's work in International Relations is famous for

(1) Idea of balance of power

(2) Theory of non-alignment

(3) Non-traditional security studies

(4) Nuclear non-proliferation

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12581]
2[Option ID=12582]
3[Option ID=12583]
4[Option ID=12584]

Sl. No.97
QBID:8472097

Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion (A) : In the SAARC summit all the bilateral issues are discussed in a manner to resolve them.

Reasons (R) : All the decisions in SAARC summit are taken on consensus

In the light of the above statements, choose the correct answer from the options given below:

(1) Both (A) and (R) are True and (R) is the correct explanation of A

(2) Both (A) and (R) are True but (R) is NOT the correct explanation of A

(3) (A) is True but (R) is False

(4) (A) is False but (R) is True

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12585]
2[Option ID=12586]
3[Option ID=12587]
4[Option ID=12588]

Sl. No.98
QBID:8472098

Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion (A) : India has extended its line of credit and economic aid to most of the South Asian countries.

Reasons (R) : It is mainly seen as India's strategy to wean South Asian region away from its growing dependency on China.

In the light of the above statements, choose the correct answer from the options given below:

(1) Both (A) and (R) are True and (R) is the correct explanation of A

(2) Both (A) and (R) are True but (R) is NOT the correct explanation of A

(3) (A) is True but (R) is False

(4) (A) is False but (R) is True

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12589]
2[Option ID=12590]
3[Option ID=12591]
4[Option ID=12592]

Sl. No.99
QBID:8472099

Given below are two statements:

Statement I : Nehru adopted non-alignment as the Lodestar of India's Foreign Policy due to his concern about the opportunity costs of defence spending.

Statement II : He was intended on maintaining India's hard won independence by adopting non-alignment policy

In the light of the above statements, choose the correct answer from the options given below:

(1) Both Statement I and Statement II are true

(2) Both Statement I and Statement II are false

(3) Statement I is correct but Statement II is false

(4) Statement I is incorrect but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12593]
2[Option ID=12594]
3[Option ID=12595]
4[Option ID=12596]

Sl. No.100
QBID:8472100

Rampal Thermal Power project is a joint venture between the following:

(1) India and Nepal

(2) India and Bangladesh

(3) India and Bhutan

(4) India and Sri Lanka

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=12597]
2[Option ID=12598]
3[Option ID=12599]
4[Option ID=12600]