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FOR JNUEE EXAM PREPARATION

JNUEE 2022 Question Paper · Ph.D Regional Development - Geography

EXAM	YEAR	TYPE
JNUEE	2022	Question Paper

SUBJECT

Ph.D Regional Development - Geography

राष्ट्रीय परीक्षा एजेंसी
National Testing Agency
Excellence in Assessment

Test Date : 10 Dec 2022 **Test Slot : Slot 2**

Subject : GEOH-REGIONAL DEVELOPMENT: GEOGRAPHY

Sl. No.1
QBID:8712001

Around what percentage of world population live in Asia at present?

1. 25
2. 33
3. 50
4. 60

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19441]
2[Option ID=19442]
3[Option ID=19443]
4[Option ID=19444]

Sl. No.2
QBID:8712002

If a population is doubling over 70 years, what will be its approximate annual exponential growth rate?

1. 1
2. 1.5
3. 2
4. 2.5

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19445]
2[Option ID=19446]
3[Option ID=19447]
4[Option ID=19448]

Sl. No.3
QBID:8712003

Which among the following is the most commonly used to measure population density?

1. physiological density
2. arithmetic density
3. agricultural density
4. Nutrition density

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19449]
2[Option ID=19450]
3[Option ID=19451]
4[Option ID=19452]

Sl. No.4
QBID:8712004

Who among the following has written *Anthropogeographie?*

1. Friedrich Ratzel
2. Vidal de La Blache
3. Alexander von Humboldt
4. Karl Ritter

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19453]
2[Option ID=19454]
3[Option ID=19455]
4[Option ID=19456]

Sl. No.5
QBID:8712005

Number of employment youth (state-wise) are represented on a map of India by which type of cartographic method?

1. Choropleth
2. Chorochoropleth
3. Choroschemetic
4. Point proportional

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19457]
2[Option ID=19458]
3[Option ID=19459]
4[Option ID=19460]

Sl. No.6
QBID:8712006

If 150 people have migrated from place A to B and the population of place A is 15000 and population of place B is 16000, the proportion of population who has migrated out could be found out as:

1. 150/16000+15000
2. 150/15000
3. 150/16000-15000
4. 150/16000

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19461]
2[Option ID=19462]
3[Option ID=19463]
4[Option ID=19464]

Sl. No.7
QBID:8712007

What would be the type of settlement distribution when nearest neighbour analysis value is around 0?

1. Dispersed
2. Clustered
3. Uniform
4. Random

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19465]
2[Option ID=19466]
3[Option ID=19467]
4[Option ID=19468]

Sl. No.8
QBID:8712008

Which among the following describes the farm management of dairy farm 'Amul' in India?

1. State cooperative
2. Private cooperative
3. Estate
4. Specialised family farm

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19469]
2[Option ID=19470]
3[Option ID=19471]
4[Option ID=19472]

Sl. No.9
QBID:8712009

Who among the following used the term topophilia?

1. C.E. Shannon
2. M.M. Weber
3. Yi-Fu Tuan
4. Colin Clark

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19473]
2[Option ID=19474]
3[Option ID=19475]
4[Option ID=19476]

Sl. No.10
QBID:8712010

What among the following is **not** a true factor for development of medical tourism of India?

1. Doctors and nurses are fluent in English
2. Doctors and nurses are all trained
3. Treatment seeking is affordable
4. Success rate of treatment in India is higher

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19477]
2[Option ID=19478]
3[Option ID=19479]
4[Option ID=19480]

Sl. No.11
QBID:8712011

Which among the following is the characteristics of Cryophilous crops?

1. Low temperatures requirement for flower and seed
2. Large type of leaves
3. Nonvascular seedless plant
4. Flowering perennial plant

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19481]
2[Option ID=19482]
3[Option ID=19483]
4[Option ID=19484]

Sl. No.12
QBID:8712012

Which among the following were considered to develop the first demographic transition model?

A. birth rate
B. death rate
C. migration rate
D. marriage rate

Choose the most appropriate answer from the options given below:

1. A, B, and C only
2. A and B only
3. A only
4. A, B, C and D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19485]
2[Option ID=19486]
3[Option ID=19487]
4[Option ID=19488]

Sl. No.13
QBID:8712013

Which among the following phases are recognized by Hudson for development of rural settlement?

A. Colonization
B. Obstruction
C. Competition
D. Clone colonization

Choose the most appropriate answer from the options given below:

1. A, B, and C only
2. A, B and D only
3. A, C and D only
4. A, B, C and D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19489]
2[Option ID=19490]
3[Option ID=19491]
4[Option ID=19492]

Sl. No.14
QBID:8712014

Which among the following are the components of balancing equation?
A. Birth
B. Death
C. Inmigration
D. Outmigration
E. Marriage

Choose the most appropriate answer from the options given below:

1. A, B, and C only
2. B, C, D and E only
3. A, B, C and D only
4. A, B, C, D and E

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19493]
2[Option ID=19494]
3[Option ID=19495]
4[Option ID=19496]

Sl. No.15
QBID:8712015

Match List I with List II

List I	List II	
A. Central Place	I.	August Lösch
B. The Isolated State	II.	Alfred Weber
C. Theory of industrial location	III.	Walter Christaller
D. Spatial organisation of the economy	IV.	Heinrich von Thünen

Choose the correct answer from the options given below:

1. A-IV, B-III, C-II, D-I

2. A-IV, B-II, C-I, D-III

3. A-III, B-II, C-I, D-IV

4. A-III, B-IV, C-II, D-I

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19497]
2[Option ID=19498]
3[Option ID=19499]
4[Option ID=19500]

Sl. No.16
QBID:8712016

Match List I with List II

List I		List II
A. Exponential growth rate	I.	$P_t = P_0(1+r)^t$
B. Linear growth rate	II.	$P_t = P_0(1+rXt)$
C. Geometric growth rate	III.	$P_t = P_0Xe^{rt}$
D. Logistic curve	IV.	$P_t = K/1-e^{a-bt}$

Choose the correct answer from the options given below:

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

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19501]
2[Option ID=19502]
3[Option ID=19503]
4[Option ID=19504]

Sl. No.17
QBID:8712017

Arrange the states in descending order by proportion of Scheduled Caste population as per 2011 census?

A. Punjab
B. Goa
C. Tripura
D. Assam
E. Tamil Nadu

Choose the correct answer from the options given below:

1. A, E, C, D, B
2. C, B, A, D, E
3. B, C, D, E, A
4. A, D, E, B, C

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19505]

2[Option ID=19506]
3[Option ID=19507]
4[Option ID=19508]

Sl. No.18
QBID:8712018

Arrange the following components of a research report in sequence from beginning to end?

A. Literature review
B. Ethics clearance
C. Aims and objectives
D. Data collection and Data validation
E. Field work

Choose the correct answer from the options given below:

1. A, C, B, E, D
2. C, B, A, E, D
3. B, E, C, D, A
4. A, E, D, B, C

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19509]
2[Option ID=19510]
3[Option ID=19511]
4[Option ID=19512]

Sl. No.19
QBID:8712019

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

Assertion A: World population reached from 2 billion in 1990 to about 6 billion by 2000.

Reason R: Natural population growth is declining and migration is becoming a major factor for population growth.

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=19513]

2[Option ID=19514]
3[Option ID=19515]
4[Option ID=19516]

Sl. No.20
QBID:8712020

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

Assertion A: There was reverse population movement from urban to rural areas during first wave of COVID19 pandemic in India.

Reason R: Majority of the rural to urban migrants are marginalized in the city.

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=19517]
2[Option ID=19518]
3[Option ID=19519]
4[Option ID=19520]

Sl. No.21
QBID:8712021

Which of the following statements on the anastomosing river is/are true?

A) they formed in relatively high-energetic conditions.
B) it includes the phenomenon of channel splitting by convex-up bar-like forms.
C) these rivers can be considered an example of equifinality
D) lateral stability of channels is commonly found.

Choose the correct answer from the options given below:

1. (A) and (B)
2. (B) and (D)
3. (C) and (D)
4. (B) and (C)

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19521]
2[Option ID=19522]
3[Option ID=19523]
4[Option ID=19524]

Sl. No.22
QBID:8712022

Who was the first to point out the distinction between orogenic and epeirogenic movements?

1. G.K.Gilbert (1890)
2. Gilluly (1875)
3. Krynine (1856)
4. Peltier (1824)

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19525]
2[Option ID=19526]
3[Option ID=19527]
4[Option ID=19528]

Sl. No.23
QBID:8712023

. Select the wrong match out of the following

	Theory	Given by
1.	Antecedent Platform theory	Darwin
2.	Glacial control theory	Daly
3.	Water table theory	Swinnerton
4.	Static Water Zone Theory	Gardner

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19529]
2[Option ID=19530]
3[Option ID=19531]
4[Option ID=19532]

Sl. No.24
QBID:8712024

Who is referred as the father of diastrophic eustatism?

1. Henri Baulig
2. Eduard Suess
3. C.A. Malott
4. R.C. Moore

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19533]
2[Option ID=19534]
3[Option ID=19535]
4[Option ID=19536]

Sl. No.25
QBID:8712025

Which of the following is not true?
1. Peneplain: Davis (1890)
2. Panplanes: Crickmay (1933)
3. Etchplain: Wayland (1934)
4. Morvan: Davis (1911)

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19537]
2[Option ID=19538]
3[Option ID=19539]
4[Option ID=19540]

Sl. No.26
QBID:8712026

Suppose that the minimum and maximum values for the attribute income are $12,000 and $98,000, respectively. We would like to map income to the range [0.0,1.0]. By min-max normalization, a value of $73,600 for income will be:
1. 0.816
2. 0.912
3. 0.716
4. 0.798

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19541]
2[Option ID=19542]
3[Option ID=19543]
4[Option ID=19544]

Sl. No.27
QBID:8712027

Which of the following method usually used in social science research to represent the quantiles of one univariate distribution against the corresponding quantiles of another.
1. q-q plot
2. histograms
3. scatter plot
4. box plot

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19545]
2[Option ID=19546]
3[Option ID=19547]
4[Option ID=19548]

Sl. No.28
QBID:8712028

Maternal Mortality Ratio (MMR) of India (2017-2019) as per SRS is

1. 103
2. 113
3. 122
4. 130

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19549]
2[Option ID=19550]
3[Option ID=19551]
4[Option ID=19552]

Sl. No.29
QBID:8712029

In Census of India-2011 dataset, how many categories of economic activities are recorded?

1. 7
2. 6
3. 5
4. 4

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19553]
2[Option ID=19554]
3[Option ID=19555]
4[Option ID=19556]

Sl. No.30
QBID:8712030

Main worker in the Census of India is defined as

1. Person worked for atleast 12 months or more in a year
2. Person worked for atleast 6 months or more in a year
3. Person worked for atleast 3 months or more in a year
4. Person worked for atleast 3 months or more but less than 6 months in a year

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19557]
2[Option ID=19558]

3[Option ID=19559]
4[Option ID=19560]

Sl. No.31
QBID:8712031

Which of the following is/are not true regarding the Criteria for Places to be treated as Towns as per Census 2011

A. All places under Municipal Corporation, Municipal Area, Town Committee, Notified town Area Committee, Cantonment Board.

B. All other places satisfying the criteria of density of population of at least 500 per sq.km.

C. All other places satisfying the criteria of minimum population of 5,000

D. All other places satisfying the criteria of at least 75% of working population should be working outside agriculture

Choose the correct answer from the options given below:

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

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19561]
2[Option ID=19562]
3[Option ID=19563]
4[Option ID=19564]

Sl. No.32
QBID:8712032

How many questions are there in the Census of India 2011 Household schedule?

1. 25
2. 27
3. 29
4. 31

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19565]
2[Option ID=19566]
3[Option ID=19567]
4[Option ID=19568]

Sl. No.33
QBID:8712033

When the IRS ID Satellite was launched?

1. 1995
2. 1996
3. 1997
4. 1998

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19569]
2[Option ID=19570]
3[Option ID=19571]
4[Option ID=19572]

Sl. No.34
QBID:8712034

The Characteristic placement and arrangement of repetitions of the tone or colour in an image is termed as :

1. Pattern
2. Texture
3. System
4. Shade

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19573]
2[Option ID=19574]
3[Option ID=19575]
4[Option ID=19576]

Sl. No.35
QBID:8712035

Which is/are the example(s) of "Primary" circuit of investment?

A. Investment in ancillary auto-mobile industries
B. Investment in building of high-rise office towers
C. Investment in educational institutions
D. Investment in technology research
E. Investment in construction housing complex
F. Investment in Petrochemical industries

Choose the correct answer from the options given below:

1. A Only
2. A, B and D Only
3. A and F only
4. B, D and E only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19577]
2[Option ID=19578]
3[Option ID=19579]
4[Option ID=19580]

Sl. No.36
QBID:8712036

In the major phases of economic development during Disorganised Advanced Capitalism of flexible production systems, the dominant technology systems were:

A. Internal Combustion Engine
B. Microelectronics
C. Electrical Engineering
D. Robotics
E. Radio and Telecommunications
F. Biotechnology

Choose the correct answer from the options given below:

1. A, D and E are correct
2. A, C and E are Correct
3. B, C and D are correct
4. B, D and F are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19581]
2[Option ID=19582]
3[Option ID=19583]
4[Option ID=19584]

Sl. No.37
QBID:8712037

Sex Ratio at Birth (SRB) of India (2020-21) as per SRS is

1. 937
2. 918
3. 927
4. 940

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19585]
2[Option ID=19586]
3[Option ID=19587]
4[Option ID=19588]

Sl. No.38
QBID:8712038

Which of the following statement(s) is/are correct?

A. "Metropolitan village" is that village which is located within the Metropolitan City.
B. "Metropolitan village" is that village which is located far away from the urban centre with metropolitan characteristics.
C. "Metropolitan village" is that village which is located within commuting distance of an urban centre and which is socially and economically no longer rural.
D. "Metropolitan village" is that village which is located within the Metropolitan City and administratively defined as village.

Choose the correct answer(s) from the options given below:

1. Only D is correct.
2. B and C are correct
3. Only C is correct
4. A and D are correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19589]
2[Option ID=19590]
3[Option ID=19591]
4[Option ID=19592]

Sl. No.39
QBID:8712039

Which example from the following option(s) is correct for "Merit goods"

1. Jewellery items
2. Housing
3. Recreational services
4. Tourism

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19593]
2[Option ID=19594]
3[Option ID=19595]
4[Option ID=19596]

Sl. No.40
QBID:8712040

Which of the following is/are not true about Normative settlement theory?

A) attempts to explain the existing pattern of settlement in a region.
B) attempts to define an ideal system of settlement
C) concerned with how settlements ought to be organized
D) based on empirical similarities in settlement systems in different countries

Choose the correct answer from the options given below:

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

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19597]
2[Option ID=19598]
3[Option ID=19599]
4[Option ID=19600]

Sl. No.41
QBID:8712041

Soil taxonomy, "a basic system of soil classification for making and interpreting soil surveys", was developed in 1938 and updated regularly for use in the United States and several other countries for general pattern of their distribution in the World.

Match List-I with List-II

List-I (soil orders)		List-II (properties and distribution)
A. Alfisols	I.	A very dark brown to black surface horizon, dominance of calcium and crystalline clay minerals. The dominant areas are the North America, South America, Russia, Mongolia.
B. Oxisols	II.	A gray, brownish, or reddish horizon, silicate clay minerals and sesquioxides. The dominant areas are the central North America, western Europe, central Siberia, and north China.
C. Mollisols	III.	A lack of water, one or more pedogenic horizons, and absence of deep wide cracks. The dominant areas are either tropical or middle-latitude deserts as Imperial valley, Nile Valley, and Indus Valley.
D. Aridisols	IV.	An extreme weathering of most minerals, loamy or clayey texture. It dominant in vast areas of equatorial and tropical South America and Africa.

Choose the *correct* answer from the options given below:

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

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19601]
2[Option ID=19602]
3[Option ID=19603]
4[Option ID=19604]

Sl. No.42
QBID:8712042

Biosphere encompasses the entire near-surface zone of the earth favourable to life in one form or another, of which environmental divisions are mentioned below:

A. Salt water (oceans)
B. Fresh water (streams, lakes, ponds)
C. Land cover (soil and air in contact with it)
D. Land use (land cultivation, settlements)

Choose the most appropriate answer in context to the biocycles from the options given below:

1. A only
2. B and C only
3. A, B, C and D
4. C only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19605]
2[Option ID=19606]
3[Option ID=19607]
4[Option ID=19608]

Sl. No.43
QBID:8712043

The land biocycles are divided into ecological systems of decreasing size and complexity. In this context, the vegetation classes are separated based on the structure of the plant assemblages as follows:

A. Forest
B. Savanna
C. Grassland
D. Desert
E. Wasteland

Choose the correct answer of *great biochores* from the options given below:

1. A, B, D and E
2. B, C, D and E
3. A, B, C and D
4. A, C, D and E

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19609]
2[Option ID=19610]
3[Option ID=19611]
4[Option ID=19612]

Sl. No.44
QBID:8712044

Essential elements to the description of vegetation are physical properties and outward forms of the plants of which one category information classified as follows:

A. Lianas
B. Bryoids
C. Epiphytes
D. Thallophytes

Choose the correct answer from the options given below:

1. Growth-form
2. Ground-cover
3. Leaf-forms
4. Life-forms

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19613]
2[Option ID=19614]
3[Option ID=19615]
4[Option ID=19616]

Sl. No.45
QBID:8712045

Everywhere on the earth's surface, gravity pulls continually downward on all materials, which is collectively termed mass wasting.

Match List-I with List-II

	List-I (landforms)		List-II (process)
A.	Talus cones	I.	Slopes are steep, masses of water-saturated soil, overburden, or weak bedrock may slide downslope.
B.	Soil creep	II.	Moderately steep, soil covered slope, extremely slow downslope movement of soil and over burden materials.
C.	Earthflow	III.	Stream of fluid consistency which pours down canyons in mountainous regions.
D.	Mudflow	IV.	Steep rock wall of gorges and high mountains shed countless rock particles under the attack of physical weathering process.

Choose the correct answer from the options given below:

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

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19617]
2[Option ID=19618]
3[Option ID=19619]
4[Option ID=19620]

Sl. No.46
QBID:8712046

Landslide is the rapid sliding of large masses of rocks with little or no flowage of the materials.

Statement I: In Rockslide, bedrock mass slips on a relatively flat inclined rock plane, such as a fault or bedding plan.

Statement II: In Slump, there is backward rotation on a curved up-concave slip plane.

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 true but Statement II is false
4. Statement I is false but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19621]
2[Option ID=19622]
3[Option ID=19623]
4[Option ID=19624]

Sl. No.47
QBID:8712047

Man's activities induce mass wasting in forms ranging from mudflow and earthflow to rockslide and slump.

Statement I: Piling up of waste soil and rock into unstable accumulations that fail spontaneously, and;

Statement II: Removal of support by undermining natural masses of soil, over-burden, and rock.

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 true but Statement II is false
4. Statement I is false but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19625]
2[Option ID=19626]
3[Option ID=19627]
4[Option ID=19628]

Sl. No.48
QBID:8712048

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

Assertion A: The longitudinal profile, representing the stream channel from upper to lower end is graded, simply means that it possesses a profile of equilibrium.

Reason R: The floodplain is built of bars composed largely of sand and gravel brought as bed load sourced from the outsides of bends immediately upstream.

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=19629]
2[Option ID=19630]
3[Option ID=19631]
4[Option ID=19632]

Sl. No.49
QBID:8712049

The geospatial distribution of the scheduled tribe population among the 718 districts showed tendency of clustering and concentration in the country in 2011. Which is the correct arrangement of States of % schedule tribes in descending order of the following?

1. Mizoram, Lakshadweep, Meghalaya, Dadar and Nagar Haveli, Nagaland, Arunachal Pradesh.
2. Arunachal Pradesh, Dadar and Nagar Haveli, Lakshadweep, Meghalaya, Mizoram, Nagaland.
3. Mizoram, Lakshadweep, Meghalaya, Dadar and Nagar Haveli, Arunachal Pradesh, Nagaland.
4. Lakshadweep, Mizoram, Nagaland, Meghalaya, Arunachal Pradesh, Dadar and Nagar Haveli.

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19633]
2[Option ID=19634]
3[Option ID=19635]
4[Option ID=19636]

Sl. No.50
QBID:8712050

Identify the scale of measurement for each of the variables mentioned as follows:

Match List I with List II

List-I (variables)		List (scale)
A. ZIP Code	I.	Interval
B. Reaction time	II.	Nominal
C. Score on the GRE	III.	Ordinal
D. Class rank	IV.	Ratio

Choose the *correct* answer from the options given below:

1.	A-II	B-III	C-I	D-IV
2.	A-II	B-IV	C-I	D-III
3.	A-I	B-IV	C-II	D-III
4.	A-II	B-I	C-III	D-IV

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19637]
2[Option ID=19638]
3[Option ID=19639]
4[Option ID=19640]

Sl. No.51
QBID:8712051

A Health Club recently conducted a study of its members and found a positive relationship between exercise and health.

Given below are two statements:

Statement I: It was claimed that the correlation coefficient between the variables of exercise and health was 11.25.

Statement II: It proved that an increase in exercise increases health.

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19641]
2[Option ID=19642]
3[Option ID=19643]
4[Option ID=19644]

Sl. No.52
QBID:8712052

In a recent study, researchers were interested in determining the relationship between gender and duration of time spent studying for a group of university students. Which correlation coefficient should be used to assess this relationship?

Choose the *correct* answer from the options given below:

1. Pearson product-moment correlation coefficient
2. Spearman's rank-order correlation coefficient
3. Point-biserial correlation coefficient
4. Phi coefficient

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19645]
2[Option ID=19646]
3[Option ID=19647]
4[Option ID=19648]

Sl. No.53
QBID:8712053

For an academic study, the researcher concerned to correlate class rank with GRE scores for a group of 50 individuals. Which correlation coefficient would be useful to assess the relationship?

Choose the *correct* answer from the options given below:

1. Phi coefficient
2. Pearson product-moment correlation coefficient
3. Spearman's rank-order correlation coefficient
4. Point-biserial correlation coefficient

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19649]
2[Option ID=19650]
3[Option ID=19651]
4[Option ID=19652]

Sl. No.54
QBID:8712054

Explain the difference in use and computation of z test and t test.

Given below are two statements:

Statement I: The z test is used when the sample size is greater than 30, normally distributed, and σ is known.

Statement II: The t test is used when the sample size is smaller that 30, bell-shaped but not normal, and σ is not known.

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

1.Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19653]
2[Option ID=19654]
3[Option ID=19655]
4[Option ID=19656]

Sl. No.55
QBID:8712055

Compute the aerial photograph's photographic scale in form of the representative fraction, where 1 unit (in mm) of distance on a photograph represents 25 units of actual ground distance (in meters). Choose the correct answer from the options given below:

1. 1: 25, 050
2. 1: 25,100
3. 1: 25, 150
4. 1: 25, 000

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19657]
2[Option ID=19658]
3[Option ID=19659]
4[Option ID=19660]

Sl. No.56
QBID:8712056

The renowned hydraulic engineer, Robert E. Horton was credited with formulating the laws for the study of river drainage basins which are mentioned as follows:

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

Assertion A: The numbers of stream segments of successively lower orders in a given basin tend to form a geometric series, beginning with a single segment of the highest order and increasing according to a constant bifurcation ratio.

Reason R: The mean basin areas of successive stream orders tend to form a geometric series beginning with mean area of the first-order basin and increasing according to a constant area ratio.

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=19661]
2[Option ID=19662]

3[Option ID=19663]
4[Option ID=19664]

Sl. No.57
QBID:8712057

Surveying is based on measurements of distance of angles which are used in combination establish fundamental principles of surveying, which are based on the rule of triangles taken from Euclidean geometry, as mentioned below:

A. Angle and distance
B. Angle-distance-angle
C. Distance-distance-distance
D. Angle-angle-angle

Choose the *correct* answer from the options given below:

1. A, C and D
2. A, B and D
3. A, B and C
4. A, B, C and D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19665]
2[Option ID=19666]
3[Option ID=19667]
4[Option ID=19668]

Sl. No.58
QBID:8712058

Map projection used for preserving the properties of real-world features depicted on a map, of which properties are mentioned below. Choose the most appropriate correct answer from the options given below:

1. Area, shape, distance, and direction
2. Area, location, size, and distribution
3. Area, scale, distortion, and direction
4. Area, scale, size, and distribution

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19669]
2[Option ID=19670]
3[Option ID=19671]
4[Option ID=19672]

Sl. No.59
QBID:8712059

The ellipsoid-geoid model is the commonly used mathematical surface which represents the shape of Earth. In context to the georeferencing, choose the most appropriate correct answer from the options given below:

1. The ellipsoid is the reference surface for elevations and the geoid is the reference surface for horizontal positions.
2. The Geoid is the reference surface for vertical positions and the ellipsoid is the reference surface for horizontal elevations.
3. The Geoid is the reference surface for horizontal elevations and the ellipsoid is the reference surface for vertical positions.
4. The ellipsoid is the reference surface for horizontal positions and the geoid is the reference surface for elevations.

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19673]
2[Option ID=19674]
3[Option ID=19675]
4[Option ID=19676]

Sl. No.60
QBID:8712060

The relational database model, represents a database as a collection of tables. Each table in the database represents an entity type identified in the data modelling process.Choose the most appropriate correct answer from the options given below:

1. A column of the table is called a Tuple.
2. A row of the table is called a Tuple.
3. An attribute of the table is called a Tuple.
4. A database of the table is called a Tuple.

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19677]
2[Option ID=19678]
3[Option ID=19679]
4[Option ID=19680]

Sl. No.61
QBID:8712061

All organisms need energy to live and different organisms obtain this energy in different ways. There are many approaches to classify the ways to obtain energy.

A. Herbivores

B. Heterotrophs

C. Photoautotrophs

D. Chemoautotrophs

Choose the correct answer *in which organisms use sunlight and not use sunlight energy* from the options given below:

1. A and B only
2. B and C only
3. C and D only
4. A, B, C and D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19681]
2[Option ID=19682]
3[Option ID=19683]
4[Option ID=19684]

Sl. No.62
QBID:8712062

Bracken is the most successful fern in the World, which grows on every continent except Arctic and Antarctica. Given below are two statements:

Statement I: Bracken is a pest because it is poisonous to grazing farm animals and difficult to eradicate.

Statement II: Bracken is so successful because of its growth habit: its rhizomes are underground and so protected from fire, weed killers and ploughing.

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=19685]
2[Option ID=19686]
3[Option ID=19687]
4[Option ID=19688]

Sl. No.63
QBID:8712063

The remote sensing data-collection and analysis procedures used for Earth resource applications are often implemented in a systematic way i.e., the remote sensing process.

A. Statement of the problem

B. Data collection

C. Data-to-information conversion

D. Information presentation

Choose the correct answer from the options given below:

1. B and D only
2. C and D only
3. A, B, C and D
4. B, C and D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19689]
2[Option ID=19690]
3[Option ID=19691]
4[Option ID=19692]

Sl. No.64
QBID:8712064

The Spatial collateral data requirements, are of value in the remote sensing process, some of them are mentioned as follows:

A. Digital elevation model

B. Soil maps

C. Geology maps

D. Political boundary maps

E. Block population statistics

Choose the correct answer of *types of ancillary data* from the options given below:

1. A, B, C, D and E
2. B, C and D only
3. A and E only
4. A, B, C and D only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19693]
2[Option ID=19694]
3[Option ID=19695]
4[Option ID=19696]

Sl. No.65
QBID:8712065

Information derived from remote sensing data are usually summarised as an enhanced image, orthophotomap, thematic map, spatial database file, and statistics. Unfortunately, *error* remain in remote sensing process which need to be lessened as follows:

A. Recording the lineage of the operations applied to the original remote sensor data.

B. Documenting the geometric (spatial) and thematic (attribute) errors of source materials.

C. Improving legend design, especially for change detection map product derived from remote sensing.

D. Improved accuracy assessment.

Choose the correct answer *of error reduction innovations processes* from the options given below:

1. B, C and D only
2. A, B, C and D
3. A, B and C only
4. C, D and A only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19697]
2[Option ID=19698]
3[Option ID=19699]
4[Option ID=19700]

Sl. No.66
QBID:8712066

The hypothesis to be tested is defined using a specific type of logic and an appropriate processing model.

A. Inductive

B. Deductive

C. Technological

D. Deterministic

E. Stochastic

Choose the correct answer of *types of logic* from the options given below:

1. A and B only
2. D and E only
3. A, B and C
4. B, C and D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19701]
2[Option ID=19702]
3[Option ID=19703]
4[Option ID=19704]

Sl. No.67
QBID:8712067

Before starting the research, the researcher has a rather general, diffused, even confused notion of the problem. Given below are two statements:

Statement I: "a hypothesis is a tentative statement asserting a relationship between certain facts".

Statement II: "a tentative statement is about something, the validity of which is usually known as well as tested".

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 true but Statement II is false
4. Statement I is false but Statement II is true

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19705]
2[Option ID=19706]
3[Option ID=19707]
4[Option ID=19708]

Sl. No.68
QBID:8712068

A distance of 1 inch on a vertical aerial photograph represents to about 2,000 ft on the ground. What was the scale in a representative fraction of the photograph?
Choose the correct answer of ***dimensionless scale*** from the options given below:

1. representative fraction 1: 34,000
2. representative fraction 1: 24,000
3. representative fraction 1: 44,000
4. representative fraction 1: 54,000

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19709]
2[Option ID=19710]
3[Option ID=19711]
4[Option ID=19712]

Sl. No.69
QBID:8712069

The photo-interpreter can view the vertically exaggerated stereoscopic model of the 60 percent end-lap area of two successive aerial photographs. Which one of methods the following is correct?

A. Keeping the lines of sight parallel with the aid of stereoscope.

B. Keeping the lines of sight parallel without the aid of a stereoscope.

C. Crossing the eyes and reversing the order of the stereoscope images.

D. Using anaglyph or polarised glasses.

Choose the correct answer from the options given below:

1. A, and B only
2. A, B, C and D
3. C, and D only
4. B, C and D

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19713]
2[Option ID=19714]
3[Option ID=19715]
4[Option ID=19716]

Sl. No.70
QBID:8712070

GIS using spatial database containing elevation points over a continuous area for model building. The Model that "contains elevation information about all features in the landscape, such as vegetation, buildings, and other structures" is referred as:

1. Digital elevation model (DEM)
2. Digital surface model (DSM)
3. Digital terrain model (DTM)
4. Digital database model (DDM)

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

1[Option ID=19717]
2[Option ID=19718]
3[Option ID=19719]
4[Option ID=19720]

Sl. No.71
QBID:8712071

GIS use spatial database in numerous practical applications for solutions of the Real World as mentioned below:

A. Flood zonation
B. Regional planning
C. Earthquake zonation
D. Utility siting

Choose the correct answer *of natural hazards* from the options given below:

1. A and C only
2. A, B, C and D
3. B and D only
4. A, B and C

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

1[Option ID=19721]
2[Option ID=19722]
3[Option ID=19723]
4[Option ID=19724]

Sl. No.72
QBID:8712072

Classification error matrix is an effective way to describe the attribute accuracy of geospatial data. Compute the attribute accuracy for the table given below:

LUCL Classes	Reference Data					
	1	*2*	*3*	*4*	*5*	*6*
1	1	2	0	0	0	0
2	0	5	0	2	3	0
3	0	3	5	1	0	0
4	0	0	4	4	0	0
5	0	0	0	0	4	0
6	0	0	0	0	0	1

1 = barren land; *2* = cultivated land; *3* = grazing land;
4 = woodland; *5* = forested land; *6* = lakes and ponds

Choose the correct answer of *users' accuracy for the cultivated and the forested land* from the options given below:

1. *2* = 2/10 = 20 % and *5* = 3/10 = 30 %
2. *2* = 5/10 = 50 % and *5* = 4/4 = 100 %
3. *2* = 3/9 = 33 % and *5* = 1/9 = 11 %
4. *2* = 4/8 = 50 % and *5* = 4/8 = 50 %

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19725]
2[Option ID=19726]
3[Option ID=19727]
4[Option ID=19728]

Sl. No.73
QBID:8712073

The development of geography in Germany, after the death of Carl Ritter, lost unified focus as a scientific discipline. In spite of this, there was development in German geography in the last quarter of 19th Century.

A. Rise of dualism between physical and human geography
B. Re-establishment of geography as an integrated science: the study of man-land relationship
C. Integrated through the concept of chorology
D. Geography as a landscape science

Choose the correct answer of *Friedrich Ratzel's (1844-1904) contribution to development of geography*, from the options given below:

1. A and B only
2. D only
3. B and C only
4. B only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19729]
2[Option ID=19730]
3[Option ID=19731]
4[Option ID=19732]

Sl. No.74
QBID:8712074

Petroleum, the mineral in the greatest demand in modern industry, supplies half of the World's energy requirements. Given below are two statements:

Statement I: Paraffin-base oil contains a high percentage of the lighter hydrocarbons such as methane and yields the commercially more valued products, e.g., petrol, paraffin etc.

Statement II: Asphalt-base oil consists mainly by mixed properties of the lighter and heavier oils which carries a high percentage of naphthene and bitumen, almost in solid 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=19733]
2[Option ID=19734]
3[Option ID=19735]
4[Option ID=19736]

Sl. No.75
QBID:8712075

When travelling across the Pacific in today's high-speed jet aircraft, Boeing 787-8 Dreamliner, that the plane is travelling westward towards the Orient and crosses the 180° meridian at 9:30 A.M. on a Wednesday. What was the time at the instant crossing of the meridian?

Choose the correct answer from the options given below:

1. the time becomes 9:30 A.M. Tuesday
2. the time becomes 9:30 P.M. Thursday
3. the time becomes 9:30 P.M. Tuesday
4. the time becomes 9:30 A.M. Thursday

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19737]
2[Option ID=19738]
3[Option ID=19739]
4[Option ID=19740]

Sl. No.76
QBID:8712076

Our Sun has a surface temperature of about 11,000° F or 6000° C. The Sun's surface emits a form of energy known as *electromagnetic radiation*, travelling at the uniform velocity of 1,86,000 mi or 3,00,00 km per second.

How much time and distance required by the energy to travel in straight lines radially from the Sun to the Earth?

1. About 9 1/3 minutes to travel the 180 million kilometres
2. About 9 2/3 minutes to travel the 98 million miles
3. About 9 2/3 minutes to travel the 150 million kilometres
4. About 9 1/3 minutes to travel the 93 million miles

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19741]
2[Option ID=19742]
3[Option ID=19743]
4[Option ID=19744]

Sl. No.77
QBID:8712077

In 1939, a theory on the internal structure of an urban area was developed by the American Geographer. The model was an extension of the concentric model of urban land use.

Choose the correct answer *of order of urban land use sectors from city centre to periphery*, from the options given below:

1. CBD, wholesale & light manufacturing, low-class residential, medium-class residential, high-class residential.
2. CBD, low-class residential, medium-class residential, high-class residential, and wholesale & light manufacturing.
3. CBD, high-class residential, medium-class residential, low-class residential, and wholesale & light manufacturing.
4. CBD, wholesale & light manufacturing, high-class residential, medium-class residential, and low-class residential.

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19745]
2[Option ID=19746]
3[Option ID=19747]
4[Option ID=19748]

Sl. No.78
QBID:8712078

In 1909, a model of industrial location devised by Alfred Weber. In the model, Weber simplified reality by making a number of assumptions, mentioned as follows:

A. A homogeneous area in terms of climate and topography.
B. Perfect competition with one given price.
C. Predetermined raw material, energy, and labour locations.
D. Transport cost decrease with weight and distance.

Choose the correct answer from the options given below:

1. A and C only
2. B and D only
3. A, B and C
4. B, C and D

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

1[Option ID=19749]
2[Option ID=19750]
3[Option ID=19751]
4[Option ID=19752]

Sl. No.79
QBID:8712079

Which is the major international river system with the largest catchment area (sq. kms.) of the river drainage basin of India?

1. The Indus river basin
2. The Ganga river basin
3. The Brahmaputra river basin
4. The Godavari river basin

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

1[Option ID=19753]
2[Option ID=19754]

3[Option ID=19755]
4[Option ID=19756]

Sl. No.80
QBID:8712080

The inter-state water dispute act, 1968 gave responsibility of regulation and development of the rivers under the control of Union. Which of the following water dispute was resolved?

1. The Krishna water dispute
2. The Tungbhadra water dispute
3. The Kaveri water dispute
4. The Godavari water dispute

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

1[Option ID=19757]
2[Option ID=19758]
3[Option ID=19759]
4[Option ID=19760]

Sl. No.81
QBID:8712081

The carbon dioxide is one of the GHG that contribute to the maintenance of atmospheric temperature. The increase in concentration of CO_2 in the lower layers of the atmosphere can lead to rise in air temperature. The CO_2 is released to the atmosphere through different processes. Which one of the following processes release maximum quantity of CO_2 to the atmosphere in recent time?

1) Burning of biomass
2) Burning of coal
3) Global deforestation
4) Combustion of petroleum products

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

1[Option ID=19761]
2[Option ID=19762]
3[Option ID=19763]
4[Option ID=19764]

Sl. No.82
QBID:8712082

The literatures on climate change from different part of the world have proved that the average global air temperature increased since last 50 years. The main reason for rise in global average temperature is the increase in GHG concentration in the atmosphere and consequent radiative forcing experienced in the lower atmosphere. Considering the difference in radiative forcing and concentration of GHGs, which is the correct sequence of GHGs in the decreasing order of intensity of radiative forcing?

1) $CO_2 > CH_4 < NOx$
2) $CH_4 > CO_2 > NOx$
3) $CO_2 > CH_4 > NOx$
4) $CH_4 > NOx > CO_2$

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

1[Option ID=19765]
2[Option ID=19766]
3[Option ID=19767]
4[Option ID=19768]

Sl. No.83
QBID:8712083

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

Assertion A: Almost all clouds are confined below the tropopause.

Reason R: The relative weakness and scarcity of vertical motion in the stratosphere

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=19769]
2[Option ID=19770]
3[Option ID=19771]
4[Option ID=19772]

Sl. No.84
QBID:8712084

Research often needs to compare the differences in the distribution of two or more populations. Variance is a statistical measure that can effectively be used to test the equality of variances of two populations. When we test the equality of variances of two populations, we assume

A. any type of population distribution
B. randomness of the sample
C. observations are independent
D. no measurement error

Choose the correct answer from the options given below:

1) A, B, C, and D
2) D, C, and B Only
3) B and C Only
4) A, C, and B Only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19773]
2[Option ID=19774]
3[Option ID=19775]
4[Option ID=19776]

Sl. No.85
QBID:8712085

Lower part of the atmosphere is demarcated according to the thermal processes in the respective layers. In the upper part of the thermosphere, the temperature increases rapidly with altitude. The increase in the temperature is mainly due to

1) the reflection of ions by the solar radiation
2) weak convective effect
3) increase in stability conditions in the upper thermosphere
4) the absorption of solar radiation by ions

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19777]
2[Option ID=19778]
3[Option ID=19779]
4[Option ID=19780]

Sl. No.86
QBID:8712086

A weather monitoring station in western Rajasthan recorded a maximum temperature of 41^0 C during peak summer month. What will be the temperature at 11 km altitude on the same day after 30 minutes?

1) -9.4
2) -43
3) -58
4) -96.2

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19781]
2[Option ID=19782]
3[Option ID=19783]
4[Option ID=19784]

Sl. No.87
QBID:8712087

The water that is tightly held by the molecular attraction and not removed by the plants even under normal climatic conditions is referred as

1. water unavailable to plants
2. hygroscopic water
3. potential soil water
4. soil water

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19785]
2[Option ID=19786]
3[Option ID=19787]
4[Option ID=19788]

Sl. No.88
QBID:8712088

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

Assertion A: Mangrove species are found along the creeks in Northwest coast of India.

Reason R: Very high salinity conditions in the creek water are essential for the luxurious growth of mangrove vegetation.

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=19789]
2[Option ID=19790]
3[Option ID=19791]
4[Option ID=19792]

Sl. No.89
QBID:8712089

Biogeographers have deployed different criteria to classify the world into different biogeographical zones. Peterson identified the biogeographical zones based on

(1) species richness
(2) rainfall and temperature
(3) temperature and humidity
(4) potential for plant growth

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19793]
2[Option ID=19794]
3[Option ID=19795]
4[Option ID=19796]

Sl. No.90
QBID:8712090

The concept of cycle of erosion propounded different stages of development of the landscape. The penultimate stage is the base level. Which one of the following can be a best example of base level?

(1) A lake that a river flow into
(2) Lower reach of a waterfall
(3) Junction of a tributary stream with the main stream near the coast.
(4) A lake

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19797]
2[Option ID=19798]
3[Option ID=19799]
4[Option ID=19800]

Sl. No.91
QBID:8712091

The development of drainage network in a river basin is determined by many factors. Which of the following are the most influencing factors?

A. Lithological resistance
B. Sediment delivery ratio
C. Rainfall intensity
D. Intensity of erosion

Choose the correct answer from the options given below:

1) A, C and D Only
2) A, and C Only
3) C and D Only
4) B and C Only

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19801]
2[Option ID=19802]
3[Option ID=19803]
4[Option ID=19804]

Sl. No.92
QBID:8712092

The laterite soils in the western Ghats are formed from iron rich rocks such as

(1) Gneiss
(2) Quartzite
(3) Schist
(4) Granulite

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19805]
2[Option ID=19806]
3[Option ID=19807]
4[Option ID=19808]

Sl. No.93
QBID:8712093

Which one of the following forces can drive wind in high latitude atmosphere?

(1) Coriolis force
(2) Frictional
(3) Centrifugal
(4) Pressure gradient

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19809]
2[Option ID=19810]
3[Option ID=19811]
4[Option ID=19812]

Sl. No.94
QBID:8712094

Different techniques are deployed to study the characteristics of sediments deposited in high altitude regions. The dating is one such technique widely used to estimate the age of sediments deposited. In a research to identify the period of deposition of the sediments carbon dating is used. What is the maximum period of deposition during which the carbon dating is most effective?

(1) 60 Ka
(2) 40 Ka
(3) 50 Ka
(4) 45 Ka

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19813]
2[Option ID=19814]
3[Option ID=19815]
4[Option ID=19816]

Sl. No.95
QBID:8712095

Only less than 3 % of the total water available on the Earth are fresh. This freshwater is distributed in varying portions across different sources. Arrange the following sources in descending order according to the percentage of the total volume of freshwater available.

A. Atmosphere
B. Lakes
C. Rivers
D. Soil moisture
E. Groundwater

Choose the correct answer from the options given below:

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

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19817]
2[Option ID=19818]
3[Option ID=19819]
4[Option ID=19820]

Sl. No.96
QBID:8712096

The rate of flow of water in porous media is proportional to, and in the direction of, hydraulic gradient and inversely proportional to the thickness of the bed. This concept is known as

(1) Horton's law of infiltration
(2) Poiseuille's law
(3) Darcy's law
(4) Kirpich law

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19821]
2[Option ID=19822]
3[Option ID=19823]
4[Option ID=19824]

Sl. No.97
QBID:8712097

Match List I with List II

While analyzing the hydrological data the researchers encounter different pattern in the distribution of data over time. The most commonly found patterns are mentioned as list-I while its description in given as list-II.

List I- Pattern of change	List II – Description
A. Variability	I. Continuous change observed in one direction with or without variability
B. Cyclic	II. Continuous fluctuations in any time scale within the study period
C. Trend	III. Uniform change observed in multiple directions
	IV. Continuous fluctuations with sequential increase and decrease

Choose the correct answer from the options given below:

1. A-II, B-IV, C-I
2. A-III, B-II, C-IV
3. A-II, B-IV, C-III
4. A-IV, B-I, C-III

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19825]
2[Option ID=19826]
3[Option ID=19827]
4[Option ID=19828]

Sl. No.98
QBID:8712098

Given below are two statements:

Statement I: The chemical and physical changes sediments go through during lithifaction is termed as diagenesis.

Statement II: Lithifaction means only the process of compaction of sediment into rock.

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

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19829]
2[Option ID=19830]
3[Option ID=19831]
4[Option ID=19832]

Sl. No.99
QBID:8712099

Given below are two statements:

Statement I: Hydraulic conductivity is the ability of the soil to transfer water under a unit hydraulic gradient.

Statement II: Hydraulic conductivity is only a function of characteristics of soil.

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=19833]
2[Option ID=19834]
3[Option ID=19835]
4[Option ID=19836]

Sl. No.100
QBID:8712100

Match List I with List II

The soils of the world are classified into different orders based on the properties. Some of the soil orders are listed below. Match the soil order with its characteristics.

List I- Soil Order	List II – Characteristics
A. Oxisols	I. Formed in volcanic ash or debris.
B. Andisols	II. Highly weathered rich in oxides of iron and aluminum.
C. Alfisols	III. High C/N ratio and leaching of minerals.
D. Podsols	IV. Swell and shrink property
	V. Extensive profile development with distinct argillic accumulated in the sub soil.

Choose the correct answer from the options given below:

1. A-III, B-IV, C-I, D-II
2. A-III, B-II, C-IV, D-I
3. A-II, B-V, C-III, D-IV
4. A-II, B-I, C-V, D-III

(1) 1

(2) 2

(3) 3

(4) 4

1[Option ID=19837]
2[Option ID=19838]
3[Option ID=19839]
4[Option ID=19840]