

# DU MA Geography

Topic:- GEO MA

1) Who is regarded as the father of Regional Science?[Question ID = 5112]

1. Harvey S. Perloff [Option ID = 20445]
2. J. R. Meyer [Option ID = 20446]
3. Walter Isard [Option ID = 20447]
4. Harry W. Richardson [Option ID = 20448]

2) Consider the following statements:

- A. Longitude of Jabalpur's location is between those of Indore and Bhopal.
- B. Latitude of Aurangabad's location is between those of Vadodara and Pune
- C. Bangalore is situated more southward than Chennai.

Which of these statements is/are correct?

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

[Question ID = 5113]

1. A and C only  
[Option ID = 20449]
2. B only  
[Option ID = 20450]
3. B and C only  
[Option ID = 20451]
4. A, B and C only  
[Option ID = 20452]

3) Kuldiha Wildlife Sanctuary is situated in the State of-[Question ID = 5114]

1. West Bengal [Option ID = 20453]
2. Odisha [Option ID = 20454]
3. Assam [Option ID = 20455]
4. Madhya Pradesh [Option ID = 20456]

4) Israel has common borders with:[Question ID = 5115]

1. Lebanon, Syria, Jordan and Egypt [Option ID = 20457]
2. Lebanon, Syria, Turkey and Jordan [Option ID = 20458]
3. Cyprus, Turkey, Jordan and Egypt [Option ID = 20459]
4. Turkey, Syria, Iraq and Yemen [Option ID = 20460]

5) What is the correct sequence of the rivers- Godavari, Mahanadi, Narmada and Tapi in the descending order of the lengths?[Question ID = 5116]

1. Godavari, Mahanadi, Narmada, Tapi [Option ID = 20461]
2. Godavari, Narmada, Mahanadi, Tapi [Option ID = 20462]
3. Narmada, Godavari, Tapi, Mahanadi [Option ID = 20463]
4. Narmada, Tapi, Godavari, Mahanadi [Option ID = 20464]

6) Which of the following countries does not border the Caspian Sea?[Question ID = 5117]

1. Armenia [Option ID = 20465]
2. Azerbaijan [Option ID = 20466]
3. Kazakhstan [Option ID = 20467]
4. Turkmenistan [Option ID = 20468]

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

Assertion A : Areas lying within five to eight degree latitude on either side of the equator receive rainfall throughout the year.

Reason R : High temperature and high humidity cause convectional rain to fall mostly in the afternoons near the equator.

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

[Question ID = 5118]

1. Both A and R are true and R is the correct explanation of A  
[Option ID = 20469]
2. Both A and R are true but R is NOT the correct explanation of A  
[Option ID = 20470]

3. A is true but R is false

[Option ID = 20471]

4. A is false but R is true

[Option ID = 20472]

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

Assertion A : 60-65 degree latitude in both the hemisphere have a low pressure belt instead of high pressure.

Reason R : The low pressure areas are permanent over oceans rather than on land.

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

[Question ID = 5119]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 20473]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 20474]

3. A is true but R is false

[Option ID = 20475]

4. A is false but R is true

[Option ID = 20476]

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

Assertion A : The surface winds spiral inwards upon the centre of the cyclone.

Reason R : Air descends in the centre of the cyclone.

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

[Question ID = 5120]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 20477]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 20478]

3. A is true but R is false

[Option ID = 20479]

4. A is false but R is true

[Option ID = 20480]

10) Which one of the following is not a lagoon?[Question ID = 5121]

1. Astamudi lake [Option ID = 20481]

2. Chilika lake [Option ID = 20482]

3. Periyar lake [Option ID = 20483]

4. Pulicat lake [Option ID = 20484]

11) The correct sequence of the eastward flowing rivers of the peninsular India from North to south is:[Question ID = 5122]

1. Subarnarekha, Mahanadi, Godavari, Krishna, Pennar, Cauvery, Vagai [Option ID = 20485]

2. Subarnarekha, Mahanadi, Krishna, Godavari, Cauvery, Vagai, Pennar [Option ID = 20486]

3. Mahanadi, Subarnarekha, Godavari, Krishna, Cauvery, Pennar, Vaigai [Option ID = 20487]

4. Mahanadi, Subarnarekha, Krishna, Godavari, Cauvery, Vaigai, Pennar [Option ID = 20488]

12) Match List I with List II

List I	List II
Local Wind	Region
A. Fohn	I. Argentina
B. Samun	II. Kurdistan
C. Santa Ana	III. California
D. Zonda	IV. Alps

Choose the correct answer from the options given below:

[Question ID = 5123]

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

[Option ID = 20489]

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

[Option ID = 20490]

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

[Option ID = 20491]

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

[Option ID = 20492]

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

Assertion A : During the Neap Tide the high tide is lower and the low tide is higher than the usual.

Reason R : The Neap Tide unlike the Spring Tide , occurs on the New Moon instead of on the Full Moon.

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

[Question ID = 5124]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 20493]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 20494]

3. A is true but R is false

[Option ID = 20495]

4. A is false but R is true

[Option ID = 20496]

14) Match List I with List II

List I	List II
Important day	Date
A. World Environment Day	I. March 20
B. World Forest Day	II. June 5
C. World Habitat Day	III. September 16
D. World Ozone Day	IV. October 3
	V. December 10

Choose the correct answer from the options given below:

[Question ID = 5125]

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

[Option ID = 20497]

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

[Option ID = 20498]

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

[Option ID = 20499]

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

[Option ID = 20500]

15) Match List I with List II

List I	List II
Volcanic Mountain	Country
A. Mt. Rainier	I. Italy
B. Etna	II. Mexico
C. Paricutin	III. Philippines
D. Taal	IV. USA

Choose the correct answer from the options given below:

[Question ID = 5126]

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

[Option ID = 20501]

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

[Option ID = 20502]

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

[Option ID = 20503]

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

[Option ID = 20504]

16) Match List I with List II

List I	List II
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Tribal Groups	Region
A. Masai	I. Siberia
B. Tartars	II. East Africa
C. Veddas	III. Western Australia
D. Bindibu	IV. North-west Africa
	V. Sri Lanka

Choose the correct answer from the options given below:

[Question ID = 5127]

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

[Option ID = 20505]

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

[Option ID = 20506]

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

[Option ID = 20507]

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

[Option ID = 20508]

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

Assertion A : The lowest temperature in the world is found in the North Pole.

Reason R : North Pole is surrounded by the Arctic Ocean.

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

[Question ID = 5128]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 20509]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 20510]

3. A is true but R is false

[Option ID = 20511]

4. A is false but R is true

[Option ID = 20512]

18) Duncan passage is between: [Question ID = 5129]

1. Kanyakumari and Trincomalee [Option ID = 20513]

2. Lakshadweep and Minicoy Islands [Option ID = 20514]

3. Little Andaman and Car Nicobar [Option ID = 20515]

4. South Andaman and Little Andaman [Option ID = 20516]

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

Assertion A : Soil acidity is a property related to the proportion of exchangeable hydrogen in the soil in relation to other elements.

Reason R : Lime helps to preserve structural stability in soils.

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

[Question ID = 5130]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 20517]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 20518]

3. A is true but R is false

[Option ID = 20519]

4. A is false but R is true

[Option ID = 20520]

20) Epiphytes are:

A. Plants not living on other plants but deriving foods from other plants.

B. Plants living on other plants and deriving foods from other plants.

C. Plants living on other plants but not deriving food from them.

D. Plants not living on other plants and not deriving food from them.

Choose the *correct* answer from the options given below

**[Question ID = 5131]**

1. A and B are correct  
[Option ID = 20521]
2. A, B and C are correct  
[Option ID = 20522]
3. Only C is correct  
[Option ID = 20523]
4. Only B is correct  
[Option ID = 20524]

**21) Which of the following maps is known as 'Dynamic Map'?[Question ID = 5132]**

1. Dot map [Option ID = 20525]
2. Choropleth map [Option ID = 20526]
3. Isopleth map [Option ID = 20527]
4. Flow map [Option ID = 20528]

**22) Distribution of worldwide rainfall will be appropriately shown by**

**[Question ID = 5133]**

1. Cylindrical equal area projection  
[Option ID = 20529]
2. Conical projection with one standard parallel  
[Option ID = 20530]
3. Polar Zenithal  
[Option ID = 20531]
4. Mercator's Projection  
[Option ID = 20532]

**23) Who has written the book 'Amusements for Him who desire to travel around the World'?**

**[Question ID = 5134]**

1. Ibn Batuta  
[Option ID = 20533]
2. Al Biruni  
[Option ID = 20534]
3. Al Masudi  
[Option ID = 20535]
4. Al Idrisi  
[Option ID = 20536]

**24) Who postulated that 'Egypt was the gift of the Nile ?'[Question ID = 5135]**

1. Aristotle [Option ID = 20537]
2. Strabbo [Option ID = 20538]
3. Herodotus [Option ID = 20539]
4. Anaximander [Option ID = 20540]

**25) Who has opined that mountain should be divided into two categories i.e. originated due to upliftment and originated due to erosion by running water?[Question ID = 5136]**

1. Leonardo da Vinci [Option ID = 20541]
2. Hecataeus of Miletus [Option ID = 20542]
3. Pytheas [Option ID = 20543]
4. Avieccna [Option ID = 20544]

**26) 'Topography is carved out and not built-up'-who postulates this?[Question ID = 5137]**

1. John Playfair [Option ID = 20545]
2. Louis Agassiz [Option ID = 20546]
3. James Hutton [Option ID = 20547]
4. William Morris Davis [Option ID = 20548]

**27) Who postulated 'General System Theory' ?[Question ID = 5138]**

1. Von Bertalanffy [Option ID = 20549]
2. R.J.Chorley [Option ID = 20550]
3. C.A.M. King [Option ID = 20551]
4. D.E.Sudden [Option ID = 20552]

**28) Given below are two statements**

**Statement I: Davisian 'Geographical cycle' is an example of closed geomorphic system which begins to function with the input of initial potential energy through short period rapid rate of upliftment.**

**Statement II: A close system has well defined boundary wherein neither energy nor matter can cross this boundary.**

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

**[Question ID = 5139]**

- Both Statement I and Statement II are correct  
[Option ID = 20553]
- Both Statement I and Statement II are incorrect  
[Option ID = 20554]
- Statement I is correct but Statement II is incorrect  
[Option ID = 20555]
- Statement I is incorrect but Statement II is correct  
[Option ID = 20556]

**29) Given below are two statements**

**Statement I: The famous Gersoppa falls made by Saravati river is the highest in India.**

**Statement II: The Ghaggar is the most important river of inland drainage.**

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

**[Question ID = 5140]**

- Both Statement I and Statement II are correct  
[Option ID = 20557]
- Both Statement I and Statement II are incorrect  
[Option ID = 20558]
- Statement I is correct but Statement II is incorrect  
[Option ID = 20559]
- Statement I is incorrect but Statement II is correct  
[Option ID = 20560]

**30) Given below are two statements**

**Statement I: The southernmost point of India known as Indira Point is located in the Little Nicobar. Statement II: Indian Ocean shows the great prominence enjoyed by India in early days when these oceans were given their names.**

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

**[Question ID = 5141]**

- Both Statement I and Statement II are correct  
[Option ID = 20561]
- Both Statement I and Statement II are incorrect  
[Option ID = 20562]
- Statement I is correct but Statement II is incorrect  
[Option ID = 20563]
- Statement I is incorrect but Statement II is correct  
[Option ID = 20564]

**31) Given below are two statements**

**Statement I: Friedrich Ratzel's book 'The History of Mankind' is considered a landmark in history for giving human-centric orientation to geography.**

**Statement II: Ratzel is known as father of modern human geography.**

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

**[Question ID = 5142]**

- Both Statement I and Statement II are true  
[Option ID = 20565]
- Both Statement I and Statement II are false  
[Option ID = 20566]
- Statement I is true but Statement II is false  
[Option ID = 20567]
- Statement I is false but Statement II is true  
[Option ID = 20568]

**32) Which of the following is not considered as the criteria to classify agricultural regions of the world by D.Whittlesey?**

**A. Crop and livestock combination**

B. Intensity of land use

C. Processing and marketing of farm produce

D. Suitable climatic conditions

E. Degree of mechanisation

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

[Question ID = 5143]

1. A, B and D only

[Option ID = 20569]

2. C and E only

[Option ID = 20570]

3. D only

[Option ID = 20571]

4. B only

[Option ID = 20572]

33) Which of the following map shows the population distribution?[Question ID = 5144]

1. Choropleth map [Option ID = 20573]

2. Isopleth map [Option ID = 20574]

3. Dot map [Option ID = 20575]

4. Square root maps [Option ID = 20576]

34) Given below are two statements

**Statement I:** Griffith Taylor stressed that a geographer's role is essentially that of an advisor and not to interpret the nature's plans.

**Statement II:** Positivism refers to the point of view supporting environmental control on human action.

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

[Question ID = 5145]

1. Both Statement I and Statement II are true

[Option ID = 20577]

2. Both Statement I and Statement II are false

[Option ID = 20578]

3. Statement I is true but Statement II is false

[Option ID = 20579]

4. Statement I is false but Statement II is true

[Option ID = 20580]

35) Munda language spoken by tribals of Jharkhand and the Western Satpura region is known as:[Question ID = 5146]

1. Sino-Tibetan language [Option ID = 20581]

2. Aryan language [Option ID = 20582]

3. Austric language [Option ID = 20583]

4. Dravidian language [Option ID = 20584]

36) Given below are two statements

**Statement I:** In Rajasthan scarcity of cultivable land and water necessitate compact settlement for maximum utilisation of available resources.

**Statement II:** For security reasons Nagaland is well known for semi-clustered settlements.

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

[Question ID = 5147]

1. Both Statement I and Statement II are true

[Option ID = 20585]

2. Both Statement I and Statement II are false

[Option ID = 20586]

3. Statement I is true but Statement II is false

[Option ID = 20587]

4. Statement I is false but Statement II is true

[Option ID = 20588]

37) Which of the following is not a push factor in migration of people from one place to another?[Question ID = 5148]

1. Epidemics [Option ID = 20589]

2. Unemployment [Option ID = 20590]

3. Natural disasters [Option ID = 20591]

4. Security of life and property [Option ID = 20592]

**38) Urban change detection is effectively undertaken in GIS core using-[Question ID = 5149]**

1. Overlay operation [Option ID = 20593]
2. Proximity analysis [Option ID = 20594]
3. Network analysis [Option ID = 20595]
4. Buffering [Option ID = 20596]

**39) The Big Inch pipeline transports:**

- A. Milk in New Zealand from farmers to factories
- B. Petroleum from the oil wells of the Gulf of Mexico to the North eastern States
- C. LPG from Haldia port to Paradip
- D. LPG from Navi Mumbai to New Mangalore

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

**[Question ID = 5150]**

1. A, B and D only  
[Option ID = 20597]
2. C and D only  
[Option ID = 20598]
3. B only  
[Option ID = 20599]
4. D only  
[Option ID = 20600]

**40) Given below are two statements**

**Statement I:** Once in a month when the sun's orbit is closest to the earth is known as perigee. **Statement II:** When the moon is closest to the sun is known as perihelion.

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

**[Question ID = 5151]**

1. Both Statement I and Statement II are true  
[Option ID = 20601]
2. Both Statement I and Statement II are false  
[Option ID = 20602]
3. Statement I is true but Statement II is false  
[Option ID = 20603]
4. Statement I is false but Statement II is true  
[Option ID = 20604]

**41) Given below are two statements**

**Statement I:** Great scholar Eratosthenese coined the term Geography.

**Statement II:** He was a well known Mathematician from Germany.

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

**[Question ID = 5152]**

1. Both Statement I and Statement II are true  
[Option ID = 20605]
2. Both Statement I and Statement II are false  
[Option ID = 20606]
3. Statement I is true but Statement II is false  
[Option ID = 20607]
4. Statement I is false but Statement II is true  
[Option ID = 20608]

**42) Match List I with List II**

List I	List II
Letter code for climate types according to Koeppen	Characteristics
A. ET	I. Dry hot summer
B. Dw	II. No true summer
C. EF	III. Winter dry and very severe
D. Cs	IV. Perennial Ice



Choose the correct answer from the options given below:

**[Question ID = 5153]**

1. A - IV, B - II, C - III, D - V [Option ID = 20609]
2. A - II, B - IV, C - V, D - III [Option ID = 20610]
3. A - III, B - I, C - IV, D - II [Option ID = 20611]
4. A - II, B - III, C - IV, D - I [Option ID = 20612]

**43) Oxygen combines with iron found in the rocks to form:[Question ID = 5154]**

1. Iron trioxides [Option ID = 20613]
2. Iron oxides [Option ID = 20614]
3. Iron nitrites [Option ID = 20615]
4. Iron sulphate [Option ID = 20616]

**44) Given below are two statements on the Nitrogen Cycle**

**Statement I: Ninety per cent of fixed nitrogen is biological.**

**Statement II: Nitrogen can also be fixed in the atmosphere by lightning and cosmic radiation.**

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

**[Question ID = 5155]**

1. Both Statement I and Statement II are correct  
[Option ID = 20617]
2. Both Statement I and Statement II are incorrect  
[Option ID = 20618]
3. Statement I is correct but Statement II is incorrect  
[Option ID = 20619]
4. Statement I is incorrect but Statement II is correct  
[Option ID = 20620]

**45) Given below are two statements on endangered species**

**Statement I: *Zenkeria Sebastinei* a critically endangered grass in Agasthiyamalai peak India.**

**Statement II: 85 per cent of plants and animals in Madagascar are found nowhere else in the world. In light of the above statements, choose the *most appropriate* answer from the options given below**

**[Question ID = 5156]**

1. Both Statement I and Statement II are correct  
[Option ID = 20621]
2. Both Statement I and Statement II are incorrect  
[Option ID = 20622]
3. Statement I is correct but Statement II is incorrect  
[Option ID = 20623]
4. Statement I is incorrect but Statement II is correct  
[Option ID = 20624]

**46) As per International Union for the Conservation of Nature and Natural Resources (IUCN) which of the following are Ecological hotspots in India**

- A. Aravalli range
- B. Thar desert
- C. The Eastern Ghats
- D. The Western Ghats
- E. The Nicobar Islands

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

**[Question ID = 5157]**

1. A, B and D only  
[Option ID = 20625]
2. C and E only  
[Option ID = 20626]
3. C and D only  
[Option ID = 20627]
4. D and E only  
[Option ID = 20628]

47) Given below are two statements

Statement I: Sea salt, pollen, ash, smoke soot, fine soil and disintegrated particles of meteors are associated with dust particles.

Statement II: Dust and salt particles act as hygroscopic nuclei around which water vapour condenses to produce clouds.

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

[Question ID = 5158]

1. Both Statement I and Statement II are true

[Option ID = 20629]

2. Both Statement I and Statement II are false

[Option ID = 20630]

3. Statement I is true but Statement II is false

[Option ID = 20631]

4. Statement I is false but Statement II is true

[Option ID = 20632]

48) Make the correct sequence of peaks of the Himalayas from highest to lowest:

A. Nanda Devi

B. Namcha Barwa

C. Annapurna

D. Dhaulagiri

E. Nanga Parbat

Choose the *correct* answer from the options given below

[Question ID = 5159]

1. B, A, C, D, E

[Option ID = 20633]

2. A, B, E, C, D

[Option ID = 20634]

3. C, A, B, D, E

[Option ID = 20635]

4. D, E, C, A, B

[Option ID = 20636]

49) Make the correct sequence of rock formations of India starting from the oldest.

A. Kalahandi and Keonjhar districts of Odisha

B. Chittaurgarh in Rajasthan

C. Spiti valley of Himachal Pradesh

D. The Deccan Trap

E. The Damodar valley

Choose the *correct* answer from the options given below

[Question ID = 5160]

1. E, C, B, D, A

[Option ID = 20637]

2. A, B, C, E, D

[Option ID = 20638]

3. B, A, C, D, E

[Option ID = 20639]

4. C, B, A, D, E

[Option ID = 20640]

50) Puga valley of Ladakh is well known for: [Question ID = 5161]

1. Geothermal Energy [Option ID = 20641]

2. Wind Energy [Option ID = 20642]

3. Solar Energy [Option ID = 20643]

4. Biomas Gasifier [Option ID = 20644]

51) Given below are two statements

Statement I: When the probability of type I error decreases, the probability of type II error increases and vice versa.

**Statement II: It is possible to minimise simultaneously both the errors in the same test.**

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

**[Question ID = 5162]**

- Both Statement I and Statement II are true  
[Option ID = 20645]
- Both Statement I and Statement II are false  
[Option ID = 20646]
- Statement I is true but Statement II is false  
[Option ID = 20647]
- Statement I is false but Statement II is true  
[Option ID = 20648]

**52) Given below are two statements**

**Statement I: The probability of the entire sample space is 1.**

**Statement II: The probability of an event ranges from 0 to 1.**

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

**[Question ID = 5163]**

- Both Statement I and Statement II are correct  
[Option ID = 20649]
- Both Statement I and Statement II are incorrect  
[Option ID = 20650]
- Statement I is correct but Statement II is incorrect  
[Option ID = 20651]
- Statement I is incorrect but Statement II is correct  
[Option ID = 20652]

**53) Which of the following assumptions are true in a Binomial distribution?**

- The number of trial is finite and fixed.
- Each trial results in two mutually exclusive outcomes of success or failure.
- Trials are independent.
- The probability of success is constant for each trial.
- The probability of failure is constant for each trial.

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

**[Question ID = 5164]**

- A, B and D only  
[Option ID = 20653]
- B,C and E only  
[Option ID = 20654]
- C only  
[Option ID = 20655]
- All are true  
[Option ID = 20656]

**54) Which of the following statements is/are true?**

- Area under the normal distribution curve is one.
- In a Poisson distribution mean of a variable is 7 and variance is 10 is possible.
- In a sampling theory where mean and standard deviation are used are known as non-parametric tests.
- The hypothesis which assumes no real difference between two sets of samples is named as null hypothesis.
- Range of correlation coefficient is 0 and 1.

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

**[Question ID = 5165]**

- C, B and D only  
[Option ID = 20657]
- A only  
[Option ID = 20658]
- A,D and E only

[Option ID = 20659]

4. A and D only

[Option ID = 20660]

**55) Correlation is said to be linear, when the-**

**[Question ID = 5166]**

1. Increase in one variable results decrease in the other

[Option ID = 20661]

2. Decrease in one variable results an increase in the other

[Option ID = 20662]

3. Change in one variable does not affect the other

[Option ID = 20663]

4. Change in one variable tend to bear constant ratio of change in the other

[Option ID = 20664]

**56) Which of the following statements are true about 'Ghotul'?**

**A. 'Ghotul' is social and religious life of the Muria and Gond tribes of Chhatisgarh and neighboring States.**

**B. It is a village dormitory for youths.**

**C. For Gond society - it is holy place associated with their supreme deity Lingo.**

**D. At 'Ghotul' youths are trained how to fight with their enemies.**

**[Question ID = 5167]**

1. A, B and D only

[Option ID = 20665]

2. A,B and C only

[Option ID = 20666]

3. A and C only

[Option ID = 20667]

4. D only

[Option ID = 20668]

**57) Match List I with List II**

List I	List II
Geomorphologist	Name of fluviial cycle
A. A. C. Lawson	I. Panplain
B. W. Penck	II. Panfan
C. L. C. King	III. Endrumpf
D. C. H. Crickmay	IV. Etchplain
	V. Pediplain

Choose the correct answer from the options given below:

**[Question ID = 5168]**

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

[Option ID = 20669]

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

[Option ID = 20670]

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

[Option ID = 20671]

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

[Option ID = 20672]

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

**Assertion A:** In Himachal Pradesh apple orchards are shifting to the higher altitudes of the Himalayas. .

**Reason R:** During 1980s apples are cultivated 1200-1500 meter elevations, by 2000s shifted to 2500 meter elevations and by 2014-15 apples are cultivated at 3000-3500 meter elevations.

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

**[Question ID = 5169]**

1. Both A and R are correct and R is the correct explanation of A

[Option ID = 20673]

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

[Option ID = 20674]

3. A is correct but R is not correct

[Option ID = 20675]

4. A is not correct but R is correct

[Option ID = 20676]

**59) Who has given the concept 'Principle of Uniformitarianism' ?[Question ID = 5170]**

1. C. F. Dutton [Option ID = 20677]

2. W. M. Davis [Option ID = 20678]

3. A. Wegener [Option ID = 20679]

4. James Hutton [Option ID = 20680]

**60) Sukinda mines of Jajpur district of Odisha is famous for-[Question ID = 5171]**

1. Manganese [Option ID = 20681]

2. Bauxite [Option ID = 20682]

3. Chromite [Option ID = 20683]

4. Iron ore [Option ID = 20684]

**61) Match List I with List II**

List I	List II
Great Scholars/Thinkers	Theories
A. Thales of Miletus	I. Heliocentric universe
B. Ptolemy	II. Latitudes and Longitudes
C. Strabo	III. Size and Shape of the Earth
D. Aryabhata	IV. Detail descriptions of the World
	V. Description of the Mountains

Choose the correct answer from the options given below:

**[Question ID = 5172]**

1. A - II , B - I , C - V, D - IV [Option ID = 20685]

2. A - I, B - II , C - III, D - V [Option ID = 20686]

3. A - III, B - V, C - IV, D - I [Option ID = 20687]

4. A - V, B - III, C - II, D - IV [Option ID = 20688]

**62) Who enumerated geography into five sub-fields of mathematical,cultural,political,commercial and theological studies?**

**[Question ID = 5173]**

1. Friederich Ratzel

[Option ID = 20689]

2. H.J. Mackinder

[Option ID = 20690]

3. Vidal de La Blache

[Option ID = 20691]

4. Immanuel Kant

[Option ID = 20692]

**63) The accumulation of the washed down material in the lower horizons of the soil profile is known as:**

**[Question ID = 5174]**

1. Leaching

[Option ID = 20693]

2. Eluviation

[Option ID = 20694]

3. Cheluviation

[Option ID = 20695]

4. Illuviation

[Option ID = 20696]

**64) Distribution of worldwide rainfall will be appropriately shown by**

**[Question ID = 5175]**

1. Mercator's projection

[Option ID = 20697]

2. Cylindrical equal area projection

[Option ID = 20698]

3. Conical projection with one standard parallel

[Option ID = 20699]

4. Conical with two standard parallel

[Option ID = 20700]

65) Sub-layers of structure of the atmosphere from lower to higher altitudes are:

A. Mesopause

B. Ionosphere

C. Thermosphere

D. Exosphere

E. Stratosphere

Choose the *correct* answer from the options given below

[Question ID = 5176]

1. A, B, C, D, E

[Option ID = 20701]

2. E, A, C, B, D

[Option ID = 20702]

3. B, C, E, D, A

[Option ID = 20703]

4. C, B, D, E, A

[Option ID = 20704]

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

**Assertion A :**When temperature starts increasing with height rather than decreasing in the troposphere is known as inversion of temperature.

**Reason R :** A long winter night with clear skies and unstable air is ideal situation for inversion.

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

[Question ID = 5177]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 20705]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 20706]

3. A is true but R is false

[Option ID = 20707]

4. A is false but R is true

[Option ID = 20708]

67) The cloud that produce a corona is called:[Question ID = 5178]

1. Altocumulus [Option ID = 20709]

2. Stratus [Option ID = 20710]

3. Cumulus [Option ID = 20711]

4. Altostratus [Option ID = 20712]

68) The ratio between total population and total cultivated area is known as:

[Question ID = 5179]

1. Arithmetic population density

[Option ID = 20713]

2. Population density

[Option ID = 20714]

3. Physiological density

[Option ID = 20715]

4. Agricultural density

[Option ID = 20716]

69) Education is which type of activities-[Question ID = 5180]

1. Quaternary [Option ID = 20717]

2. Tertiary [Option ID = 20718]

3. Secondary [Option ID = 20719]

4. Primitive [Option ID = 20720]

70) As per the heartland theory of Mackinder, Sub-Saharan Africa is within:[Question ID = 5181]

1. Marginal Crescent [Option ID = 20721]

2. Outlying Islands [Option ID = 20722]

3. Secondary Heartland [Option ID = 20723]
4. Outer Crescent [Option ID = 20724]

**71) Under which theoretical distribution having known only the mean value, all other constants can be obtained:[Question ID = 5182]**

1. Binomial [Option ID = 20725]
2. Poisson [Option ID = 20726]
3. Normal [Option ID = 20727]
4. Uniform [Option ID = 20728]

**72) When two regression lines intersect each other at 90 degree angle, the coefficient of correlation will be:[Question ID = 5183]**

1. Positive [Option ID = 20729]
2. Negative [Option ID = 20730]
3. Zero [Option ID = 20731]
4. One [Option ID = 20732]

**73) The standard deviation of two series A and B is same but the Arithmetic mean of A series is greater than B. Thus the coefficient of variation of A series to B series will be:[Question ID = 5184]**

1. Less [Option ID = 20733]
2. Greater [Option ID = 20734]
3. Equal [Option ID = 20735]
4. None of the above [Option ID = 20736]

**74) Though Amritsar and Shimla are in the same latitude, their climates differ. This is attributed to:**

**[Question ID = 5185]**

1. The difference in their altitudes  
[Option ID = 20737]
2. Their distance from the sea  
[Option ID = 20738]
3. Snowfall in Shimla  
[Option ID = 20739]
4. Pollution in Amritsar  
[Option ID = 20740]

**75) A piedmont plateau is situated:**

**[Question ID = 5186]**

1. On a cliff  
[Option ID = 20741]
2. At the foot of a mountain  
[Option ID = 20742]
3. Near seashores  
[Option ID = 20743]
4. Amidst mountain ranges  
[Option ID = 20744]

**76) Which of the following is not associated with limestone landscape?[Question ID = 5187]**

1. Doline [Option ID = 20745]
2. Swallow hole [Option ID = 20746]
3. Uvala [Option ID = 20747]
4. Esker [Option ID = 20748]

**77) Which of the following statements are/is false?**

**[Question ID = 5188]**

1. Tropical evergreen forests have dense undergrowth.  
[Option ID = 20749]
2. Tropical monsoon forests have dense undergrowth.  
[Option ID = 20750]
3. Temperate evergreen forests have rainfall throughout the year.  
[Option ID = 20751]
4. Coniferous forests are mostly deciduous.  
[Option ID = 20752]

**78) Who has given the concept of 'Citationality' related to the lack of facilitation of the presence of women with various disciplines of Geography?**

[Question ID = 5189]

1. Susan Hanson

[Option ID = 20753]

2. Linda McDowell

[Option ID = 20754]

3. Gillian Rose

[Option ID = 20755]

4. Judith Butler

[Option ID = 20756]

79) Which of the following is/are wrongly defined?

A. Population explosion-rapid growth of population density

B. Density- average number of persons per unit area

C. Growth rate- excess of births over deaths for every 100 persons

D. Sex ratio - the number of women per thousand persons

[Question ID = 5190]

1. B and C only

[Option ID = 20757]

2. B only

[Option ID = 20758]

3. D only

[Option ID = 20759]

4. A, C and D only

[Option ID = 20760]

80) When the source of the light is placed at the centre of the globe , the resultant projection is [Question ID = 5191]

1. Orthographic [Option ID = 20761]

2. Stereographic [Option ID = 20762]

3. Gnomonic [Option ID = 20763]

4. All of the above [Option ID = 20764]

81) Match List I with List II

List I	List II
Public sector undertaking	Location
A. Fertilizer corporation of India	I. Pimpri
B. Hindustan Antibiotics Ltd	II. Saindri
C. Indian Rare Earth Ltd	III. Napanagar
D. National Newsprint Ltd	IV. Alwaye

Choose the correct answer from the options given below:

[Question ID = 5192]

1. A - II, B - I, C - IV, D - III [Option ID = 20765]

2. A - III, B - II, C - I, D - IV [Option ID = 20766]

3. A - I, B - II, C - III, D - IV [Option ID = 20767]

4. A - IV, B - III, C - II, D - I [Option ID = 20768]

82) The second largest linguistic unit in India [Question ID = 5193]

1. Tamil [Option ID = 20769]

2. Hindi [Option ID = 20770]

3. English [Option ID = 20771]

4. Telugu [Option ID = 20772]

83) Given below are two statements as per 2011 Census of India

Statement I: India's population is almost equal to the combined population of USA, Indonesia, Brazil, Pakistan, Bangladesh and Japan.

Statement II: From 2001 to 2011 the absolute addition is slightly lower than the population of Brazil, the fifth most populous country in the world.

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

[Question ID = 5194]

1. Both Statement I and Statement II are correct

[Option ID = 20773]

2. Both Statement I and Statement II are incorrect

[Option ID = 20774]



3. Statement I is correct but Statement II is incorrect

[Option ID = 20775]

4. Statement I is incorrect but Statement II is correct

[Option ID = 20776]

**84) Which of the following million plus cities were newly added to 2011 list of million plus cities of India?**

**A.Dhanabad**

**B.Ghaziabad**

**C.Kollam**

**D.Faridabad**

**E.Kota**

**[Question ID = 5195]**

1. A, B and D only

[Option ID = 20777]

2. E and D only

[Option ID = 20778]

3. C and E only

[Option ID = 20779]

4. B, C and E only

[Option ID = 20780]

**85) Which of the following statements are true of the Socio-Economic profile of India as per 2011 census?**

**A.56.25% of rural households own no agricultural land.**

**B.25 % rural households have no access to irrigation.**

**C.25% rural households still do not own a phone.**

**D.Only 8.9% of rural households have a member earning over 10,000 per month.**

**E.30% of rural households depend on cultivation as their main income.**

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

**[Question ID = 5196]**

1. A, B and D only

[Option ID = 20781]

2. B and C only

[Option ID = 20782]

3. A, C and E only

[Option ID = 20783]

4. All of the above

[Option ID = 20784]

**86) The 'miracle rice' which is instrumental in the Green revolution in south east Asia is:**

**[Question ID = 5197]**

1. IR 8

[Option ID = 20785]

2. IR 10

[Option ID = 20786]

3. Jaya

[Option ID = 20787]

4. Taichung

[Option ID = 20788]

**87) Behavioural matrix increases the farmer's decision about which crop they will grow is propounded by:**

**[Question ID = 5198]**

1. A. Pred

[Option ID = 20789]

2. P. Gould

[Option ID = 20790]

3. D. Stamp

[Option ID = 20791]

4. M.S. Swaminathan

## 88) Match List I with List II

List I	List II
Types of Model	Features/characteristics
A. Icoonic model	I. Real world properties are represented by mathematical symbols
B.Deterministic model	II.Postulate direct cause and effect relationship
C. Monte Carlo model	III. When chance alone determines the outcome of events
D. Markov Model	IV.Real world is represented simply by a change in scale
	V. Each event is partially determined by previous event

Choose the correct answer from the options given below:

## [Question ID = 5199]

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

[Option ID = 20793]

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

[Option ID = 20794]

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

[Option ID = 20795]

4. A - III, B - II, C - III, D - V

[Option ID = 20796]

## 89) Who has written the book, 'An Introduction to Models in Geography'? [Question ID = 5200]

1. D Gregory [Option ID = 20797]
2. D Harvey [Option ID = 20798]
3. R Minshull [Option ID = 20799]
4. J.P.Cole [Option ID = 20800]

## 90) 'The number of people going a given distance is directly proportional to the number of opportunities at that distance and inversely proportional to the intervening opportunities' who has stated this- [Question ID = 5201]

1. E.G. Ravenstein [Option ID = 20801]
2. G.K. Zipf [Option ID = 20802]
3. S. Stouffer [Option ID = 20803]
4. D.J. Bogue [Option ID = 20804]

## 91) The State where increased transport costs balance savings on labour cost is known as: [Question ID = 5202]

1. Isotropic surface [Option ID = 20805]
2. Innovation of diffusion [Option ID = 20806]
3. Critical Isodapane [Option ID = 20807]
4. Optimum location [Option ID = 20808]

## 92) 'The locational interdependence of firms tried to find the location that would give maximum sales' explains by the theory known as: [Question ID = 5203]

1. Least cost theory [Option ID = 20809]
2. Pay-off matrix [Option ID = 20810]
3. Spatial margins of profitability [Option ID = 20811]
4. Maximum revenue theory [Option ID = 20812]

## 93) The cities in any region may be ranked from the largest to smallest according to their population size was first proposed by:

## [Question ID = 5204]

1. F.Auerbach

[Option ID = 20813]

2. G.K.Zipf

[Option ID = 20814]

3. M.Jefferson

[Option ID = 20815]

4. A Linsky

[Option ID = 20816]

## 94) Who has presented an important modifications of Christaller's Central Place Theory of fixed K-Approximation?

## [Question ID = 5205]

1. A.Losch

[Option ID = 20817]

2. B.J.L.Berry

[Option ID = 20818]

3. B.J. Garner

[Option ID = 20819]

4. J.A. Eveerson

[Option ID = 20820]

**95) The Concentric zonal theory proposed by E.W Burgess in 1923 is an attempt to explain the pattern of social areas within a city. Though this theory has universal application, But he had developed this theory based on?**[Question ID = 5206]

1. New York [Option ID = 20821]

2. London [Option ID = 20822]

3. Paris [Option ID = 20823]

4. Chicago [Option ID = 20824]

**96) The correct sequence of occurrence of cyclones in the Bay of Bengal in recent years starting from the oldest is:**

A. Hud hud

B. Titli

C. Phailin

D. Amphan

E. Fani

**[Question ID = 5207]**

1. B,C,A,D,E

[Option ID = 20825]

2. A,B,C,E,D

[Option ID = 20826]

3. C,A,B,E,D

[Option ID = 20827]

4. E,C,A,B,D

[Option ID = 20828]

**97) Which one is not associated with 'Metadata' in GIS?**[Question ID = 5208]

1. Data about the data [Option ID = 20829]

2. Explain the meaning of the data [Option ID = 20830]

3. Only associated to spatial properties of data [Option ID = 20831]

4. Ensure correct use of data [Option ID = 20832]

**98) Which one is not associated with Bhuvan Geo-Platform?**[Question ID = 5209]

1. Data Visualisation and download [Option ID = 20833]

2. Thematic Services and Special Applications [Option ID = 20834]

3. Maintained by ISRO/SAC [Option ID = 20835]

4. Open Geospatial Consortium (OGC) Services [Option ID = 20836]

**99) Which one is not an open source GIS Software?**[Question ID = 5210]

1. SAGA GIS [Option ID = 20837]

2. ILWIS [Option ID = 20838]

3. TNTmips [Option ID = 20839]

4. DivaGIS [Option ID = 20840]

**100) Which one of the statements is not correct?**[Question ID = 5211]

1. Landsat ETM+ consist of Eight Spectral Band [Option ID = 20841]

2. IRS-LISS III consist of Four Spectral Band [Option ID = 20842]

3. Landsat 8 OLI is having Ten Spectral Band [Option ID = 20843]

4. SPOT 5 HRS is having only one Spectral Band [Option ID = 20844]

