

Roll No:

Application No:

Name:

Exam Date: **06-Oct-2020**Exam Time: **15:00-18:00**Examination: **1. Course Code - M.A./M.Sc./M.C.A.****2. Field of Study - GEOGRAPHY (GEOM)****SECTION 1 - SECTION 1****Question No.1 (Question Id - 72)**

Which one of the following scale has a true zero ?

- (A) ☐ Nominal
(B) ☐ Ordinal
(C) ☐ Interval
(D) ☐ **Ratio (Correct Answer)**

Question No.2 (Question Id - 20)

Which one of the following is not a "Formal Region" ?

- (A) ☐ Delhi city
(B) ☐ Delhi Cantonment
(C) ☐ Union Territory of Delhi
(D) ☐ **Delhi Metropolitan Region (Correct Answer)**

Question No.3 (Question Id - 56)

Identify the location of biosphere reserve in the given map :

- A. 1-Dehang Debang, 2- Nokrek, 3-Pachmarhi, 4-Dibru Saikhowa, 5-Nanda Devi.
B. 1-Nokrek, 2-Dehang Debang , 3-Simlipal, 4-Pachmarhi, 5-Nanda Devi.
C. 1-Simlipal, 2-Dehang Debang, 3-Nanda Devi, 4-Nokrek, 5-Achanakmar.
D. 1-Nokrek, 2-Dehang Debang, 3-Pachmarhi, 4-Amarkantak.

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

- (A) ☐ A Only
(B) ☒ B Only (Correct Answer)
(C) ☐ C Only
(D) ☐ D Only

Question No.4 (Question Id - 43)

The process in which incident radiation is retained by substances is called :

- (A) ☒ Absorption (Correct Answer)
(B) ☐ Scattering
(C) ☐ Diffusion
(D) ☐ Reflection

Question No.5 (Question Id - 67)

Which of the following is not a principal of remote sensing ?

- (A) ☒ Interaction of energy with satellite (Correct Answer)
(B) ☐ Electromagnetic spectrum
(C) ☐ Electromagnetic energy
(D) ☐ Interaction of energy with atmosphere

Question No.6 (Question Id - 80)

Given below are two statements :

Statement I:

The National Population Policy 2000 has paradigm shift from population control measures to creating an enabling condition for population stabilisation.

Statement II:

The policy was highly influenced by the International Conference on Population and Development (ICPD), 1994 held at Cairo.

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

- (A) ☒ Both Statement I and Statement II are correct. (Correct Answer)
(B) ☐ Both Statement I and Statement II are incorrect.
(C) ☐ Statement I is correct but Statement II is incorrect.
(D) ☐ Statement I is incorrect but Statement II is correct.

Question No.7 (Question Id - 66)

In Geographic Information System (GIS) data redundancy means :

- (A) ☐ Data which are no more required.
(B) ☒ Data which have been repeated many a times. (Correct Answer)
(C) ☐ Data which are not useful for the purpose at hand.
(D) ☐ Data which are very old and hence not useful to present situation.

Question No.8 (Question Id - 45)

The annual range of temperature in the interior of continent is high as compared to coastal area. What is/are the reason/reasons ?

- A. Thermal difference between land and water.
B. Variation in altitude between continents and ocean.
C. Presence of strong winds in the interior of the continents.
D. Heavier rains in the interior of the continent as compared to the coastal areas.

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

- (A) ☒ A Only (Correct Answer)

- (B) ☐ A and B Only
(C) ☐ B and C Only
(D) ☐ A, B, C, D

Question No.9 (Question Id - 1)

The present world population ranges between :

- (A) ☐ 6 to 7 Billion
(B) ☒ 7 to 8 Billion (Correct Answer)
(C) ☐ 8 to 9 Billion
(D) ☐ 9 to 9.5 Billion

Question No.10 (Question Id - 49)

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

Assertion A :

The cycle of wheat crop is about 100 days south of the Vindhyan Range and 145 days in Punjab.

Reason R :

High temperature in October. permit early seeding of the wheat crop.

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

- (A) ☐ Both **A** and **R** are correct and **R** is the correct explanation of **A**.
(B) ☐ Both **A** and **R** are correct but **R** is not the correct explanation of **A**.
(C) ☐ **A** is correct but **R** is not correct.
(D) ☒ **A is not correct but R is correct. (Correct Answer)**

Question No.11 (Question Id - 22)

In India, in which of the following migration-streams, male migration is maximum ?

- (A) ☐ Rural to Rural
(B) ☒ Rural to Urban (Correct Answer)
(C) ☐ Urban to Urban
(D) ☐ Urban to Rural

Question No.12 (Question Id - 15)

Match List-I with List-II :

List-I	List-II
Central Place Theory K-model	Principles based on
A. K=3	I. Market Principle
B. K=4	II. Transport Principle
C. K=7	III. Administrative Principle
D. K=9	IV. Market and Administrative Principle

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

- (A) ☒ **A - I, B - II, C - III, D - IV (Correct Answer)**
(B) ☐ A - II, B - I, C - IV, D - III
(C) ☐ A - IV, B - II, C - III, D - I
(D) ☐ A - II, B - IV, C - I, D - III

Question No.13 (Question Id - 88)

Given below are two statements :

Statement I :

Government of India has formulated the Foreign Trade Policy (FTP) 2015-20 which provides framework for increasing exports of goods and services as well as generation of employment and increasing value addition in the country inline with the 'Make in India' programme.

Statement II :

"Niryat Bandhu Scheme" has been galvanized and repositioned to achieve the objectives of "Skill India".

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

- (A) ☐ **Both Statement I and Statement II are true. (Correct Answer)**
 (B) ☐ Both **Statement I** and **Statement II** are false.
 (C) ☐ **Statement I** is correct but **Statement II** is false.
 (D) ☐ **Statement I** is incorrect but **Statement II** is true.

Question No.14 (Question Id - 31)

Match **List-I** with **List-II** :

List-I	List-II
India-Drainage Pattern	Location Examples
A. Dendritic	I. Rivers flowing in the Northern plains
B. Radial	II. Rivers originating from Amarkantak
C. Centripetal	III. Rivers blowing into Loktak Lake
D. Trellis	IV. Rivers in the upper part of Himalayan Region

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

- (A) ☐ **A - I, B - II, C - III, D - IV (Correct Answer)**
 (B) ☐ A - I, B - III, C - II, D - IV
 (C) ☐ A - I, B - IV, C - III, D - II
 (D) ☐ A - IV, B - III, C - II, D - I

Question No.15 (Question Id - 39)

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

Assertion A:

The optimum climatic requirement for rice is 20° - 35°C temperature throughout the period of crop duration.

Reason R:

Rice is grown in Laterite soil.

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

- (A) ☐ Both **A** and **R** are true and **R** is the correct explanation of **A**.
 (B) ☐ Both **A** and **R** are true but **R** is not the correct explanation of **A**.
 (C) ☐ **A is true but R is false. (Correct Answer)**
 (D) ☐ **A** is false but **R** is true.

Question No.16 (Question Id - 87)

List-I

List-II

- | | |
|---------------------------|--|
| (A) Salal Project | (i) Irrigation |
| (B) Damodar Vally Project | (ii) Flood control, irrigation and hydro-electricity |
| (C) Kosi Project | (iii) Hydro-electricity |
| (D) Upper Krishna Project | (iv) Flood control and irrigation |

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

- (A) ☐ A - IV, B - II, C - I, D - III
- (B) ☐ **A - III, B - IV, C - II, D - I (Correct Answer)**
- (C) ☐ A - II, B - III, C - I, D - IV
- (D) ☐ A - I, B - II, C - III, D - IV

Question No.17 (Question Id - 50)

Which one of the following is most productive ecosystem ?

- (A) ☐ **Coral reef (Correct Answer)**
- (B) ☐ Estuarine
- (C) ☐ Riverine
- (D) ☐ Pond

Question No.18 (Question Id - 52)

Which of the following is the most stable ecosystem ?

- (A) ☐ Mountain
- (B) ☐ **Ocean (Correct Answer)**
- (C) ☐ Forest
- (D) ☐ Desert

Question No.19 (Question Id - 93)

The Indian Languages belong to the following Linguistic Families :

- A. The Indo-European Family
- B. The Dravidian Family
- C. Indo-Sino-Tibetan Family
- D. Sino-Austic Family

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

- (A) ☐ B and C only
- (B) ☐ C and D only
- (C) ☐ **A and B only (Correct Answer)**
- (D) ☐ D only

Question No.20 (Question Id - 73)

If the scale is 8.4 Centimetres to 42 kilometres, the R. F. will be :

- (A) ☐ 1 : 42, 000
- (B) ☐ 1 : 84, 000
- (C) ☐ 1 : 25, 000
- (D) ☐ **1 : 500, 000 (Correct Answer)**

Question No.21 (Question Id - 62)

Who coined the term 'Remote Sensing' ?

- (A) ☐ **Evelyn L. Pruitt (Correct Answer)**

- (B) ☐ Gaspard Felix Tournachon
(C) ☐ Wilbar Wright
(D) ☐ James Wallace Black

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Question No.22 (Question Id - 58)

Which of the following thermal current flows from the Gulf of Mexico to Atlantic Ocean ?

- (A) ☐ Agulhas
(B) ☐ Humbolt
(C) ☐ North Atlantic Drift
(D) ☐ **Florida (Correct Answer)**

Question No.23 (Question Id - 23)

Match List-I with List-II :

List-I	List-II
Regions	Crop combinations
A. Punjab, Haryana	I. Wheat, Jowar, Bajra
B. Maharashtra, Madhya Pradesh	II. Cotton, Jowar, Bajra
C. Rajasthan, Gujarat	III. Millet, Maize, Ragi
D. Karnataka, Maharashtra	IV. Jowar, Cotton, Oilseeds

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

- (A) ☐ **A - I, B - II, C - III, D - IV (Correct Answer)**
(B) ☐ A - II, B - I, C - IV, D - III
(C) ☐ A - III, B - II, C - I, D - IV
(D) ☐ A - IV, B - III, C - II, D - I

Question No.24 (Question Id - 71)

The Climograph given by Griffith Taylor, 'keen' represent which type of climatic condition ?

- (A) ☐ **Cold and dry condition (Correct Answer)**
(B) ☐ Cold and moist condition
(C) ☐ Hot and dry condition
(D) ☐ Hot and moist condition

Question No.25 (Question Id - 11)

The below question has been dropped and full marks are awarded.

How many states of India have common land-borders with neighbouring countries ?

- (A) ☐ 11 Only
(B) ☐ 13 Only
(C) ☐ 15 Only
(D) ☐ 17 Only

Question No.26 (Question Id - 46)

List-I

Grassland

- (A) Steppes
(B) Prairies
(C) Veid
(D) Pampas

List-II

Region

- (i) North America
(ii) Russia, Ukraine
(iii) Argentina
(iv) South Africa

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

- (A) ☐ A - I, B - II, C - III, D - IV
(B) ☐ A - II, B - I, C - III, D - IV
(C) ☒ **A - II, B - I, C - IV, D - III (Correct Answer)**
(D) ☐ A - IV, B - I, C - III, D - II

Question No.27 (Question Id - 26)

Where is Zaskar Range located ?

- (A) ☒ **Between Ladakh and Northern Himalayas. (Correct Answer)**
(B) ☐ Between Eastern Himalayas and Darjeeling.
(C) ☐ Between Central Himalayas and China.
(D) ☐ In the Upper Himalayas

Question No.28 (Question Id - 37)

In Trewartha's system of climatic classification 'BWK' denotes :

- (A) ☐ Tropical-subtropical hot deserts
(B) ☒ **Temperate-boreal cold desert (Correct Answer)**
(C) ☐ Tropical-boreal steppee
(D) ☐ Semi-arid or Steppee type

Question No.29 (Question Id - 14)

Match List-I with List-II :

List-I	List-II
Scholars	Their contributions to Theory of Evolution
A. Lamarck	I. Theory of Inheritance of acquired characters
B. August Wiesmann	II. Germplasm Theory
C. Darwin	III. Theory of Natural Selection
D. G.L.Stabbins	IV. Modern Synthetic Theory of Evolution

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

- (A) ☒ **A - I, B - II, C - III, D - IV (Correct Answer)**
(B) ☐ A - II, B - I, C - III, D - IV
(C) ☐ A - IV, B - II, C - III, D - I
(D) ☐ A - III, B - IV, C - I, D - II

Question No.30 (Question Id - 4)

Demographic Transition Theory denotes the change in population with reference to :

- (A) ☐ Fertility alone
(B) ☐ Mortality alone
(C) ☐ Immigration and Emigration
(D) ☒ **Birth-rate and Death-rate (Correct Answer)**

Question No.31 (Question Id - 65)

What is the correct sequence of stages in remote sensing process ?

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- A. Emission of electromagnetic radiation.
- B. Transmission of energy from the surface of the earth as well as absorption and scattering.
- C. Transmission of energy from the surface to the remote sensor.
- D. Interaction of electromagnetic radiation with the earth surface reflection and emission.
- E. Sensor data output.

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

- (A) ☐ B, A, C, D, E
- (B) ☐ **A, B, D, C, E (Correct Answer)**
- (C) ☐ A, B, C, D, E
- (D) ☐ C, D, A, B, E

Question No.32 (Question Id - 27)

Where are minicoy (Minicoy) Islands located ?

- (A) ☐ **Arabian sea (Correct Answer)**
- (B) ☐ Bay of Bengal
- (C) ☐ Gulf of Mannar
- (D) ☐ Palk Strait

Question No.33 (Question Id - 16)

The early geographers believed in the philosophy of :

- (A) ☐ **Determinism (Correct Answer)**
- (B) ☐ Possibilism
- (C) ☐ Probabilism
- (D) ☐ Voluntarism

Question No.34 (Question Id - 61)

Which one of the following helps to identify the objects on the earth surface in remote sensing ?

- (A) ☐ Atmospheric window
- (B) ☐ **Signatures (Correct Answer)**
- (C) ☐ Radiometric errors
- (D) ☐ Wavelengths

Question No.35 (Question Id - 98)

A numerical value used as a summary measure for a sample mean, is known as :

- (A) ☐ Population Parameter
- (B) ☐ Sample Parameter
- (C) ☐ **Sample Statistic (Correct Answer)**
- (D) ☐ None of the above

Question No.36 (Question Id - 57)

Which of the following pollutant is not responsible for depletion of ozone layer ?

- (A) ☐ **Carbon dioxide (Correct Answer)**
- (B) ☐ Hydrocarbon
- (C) ☐ Chlorofluorocarbons (CFC)
- (D) ☐ Nitrogen oxide

Question No.37 (Question Id - 41)

Which of the following is true of a La-Nina ?

- (A) ☐ Trade winds are lighter than usual.
- (B) ☐ **Sea surface temperature are decreased. (Correct Answer)**

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- (C) ☐ Southern oscillation occurs in the atmosphere.
(D) ☐ High pressure develops over northern Australia.

Question No.38 (Question Id - 90)

Given below are two statements :

Statement I:

For the planning of agriculture, the Planning Commission and the National Remote Sensing Agency (NRSA) have divided the country into 15 agro-climatic regions to optimise agriculture production, to generate rural employment judicious use of available water for irrigation to reduce regional inequalities and in the development of agriculture.

Statement II:

For the planning of agriculture, the Planning Commission and the National Remote Sensing Agency (NRSA) have divided the country into 12 agro-climatic regions to expand area under agriculture, to increase yield, distribution of fertilizers and insecticides and to suggest irrigation through canals.

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

- (A) ☐ Both **Statement I** and **Statement II** are correct.
(B) ☐ Both **Statement I** and **Statement II** are incorrect.
(C) ☐ **Statement I is correct but Statement II is incorrect. (Correct Answer)**
(D) ☐ **Statement I** is incorrect but **Statement II** is correct.

Question No.39 (Question Id - 18)

Who is the Author of the Book entitled 'India : A Regional Geography' ?

- (A) ☐ **R.L.Singh (Correct Answer)**
(B) ☐ Majid Hussain
(C) ☐ Gopal Krishan
(D) ☐ K.R.Dikshit

Question No.40 (Question Id - 81)

The below question has been dropped and full marks are awarded.

Consider the following pairs :

- A. Archean System - Tamil Nadu
B. Dharwad System - Karnataka
C. Cuddapah System - Andhra Pradesh
D. Vindhyan System - Chhatisgarh

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

- (A) ☐ B, C and D Only
(B) ☐ C and D Only
(C) ☐ A, B and C Only
(D) ☐ B and C Only

Question No.41 (Question Id - 28)

Match List-I with List-II :

List-I	List-II
States	Capital
A. Arunachal Pradesh	I. Aizwal
B. Manipur	II. Imphal
C. Meghalaya	III. Kohima
D. Nagaland	IV. Shillong

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

- (A) ☐ A - I, B - II, C - III, D - IV
 (B) ☐ A - V, B - I, C - II, D - III
 (C) ☐ A - II, B - III, C - V, D - IV
 (D) ☐ **A - V, B - II, C - IV, D - III (Correct Answer)**

Question No.42 (Question Id - 51)

Arrange Marine Biome Zonation from upper layer to the bottom.

- A. Neritic zone
 B. Oceanic pelagic
 C. Intertidal zone
 D. Benthic
 E. Abyssal

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

- (A) ☐ A, B, C, D, E
 (B) ☐ **C, A, B, D, E (Correct Answer)**
 (C) ☐ B, A, C, E, D
 (D) ☐ E, D, C, B, A

Question No.43 (Question Id - 86)

Given below are two statements :

Statement I:

Census of India until 1951, defined an urban settlement as;

- (1) All places with municipality, corporation, cantonment board and notified area
- (2) All other places which satisfy the following conditions
 - (a) A minimum population of 5000
 - (b) Atleast 75 percent male working population engaged in non-agricultural economic activities.
 - (c) A density of population of atleast 400 person per sq.km.

Statement II:

Census of India has classified the urban places under the following six categories.

- Class-I Population of 1,00,000 and above
 Class-II Population of 50,000 to 99,999
 Class-III Population of 20,000 to 49,999
 Class-IV Population of 10,000 to 19,999
 Class-V Population of 5,000 to 9,999
 Class-VI Population less than 5,000

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

- (A) ☐ Both **Statement I** and **Statement II** are true.
 (B) ☐ Both **Statement I** and **Statement II** are false.
 (C) ☐ **Statement I** is correct but **Statement II** is false.
 (D) ☐ **Statement I is incorrect but Statement II is true. (Correct Answer)**

Question No.44 (Question Id - 32)

The below question has been dropped and full marks are awarded.

Match **List-I** with **List-II** :

List-I	List-II
Drainage Systems	Tributaries

A. Indus	I. Varuna
B. Bhagirathi	II. Dibang
C. Brahmaputra	III. Gomti
D. Yamuna	IV. Ravi

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

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

Question No.45 (Question Id - 68)

Which one of the following represents the correct relationship between mean, median and mode ?

- (A) ☐ mode = mean $\pm$ (mean-median)
 (B) ☐ mode = mean $\pm$ 2(mean-median)
 (C) ☐ **mode = mean $\pm$ 3(mean-median) (Correct Answer)**
 (D) ☐ mode = mean $\pm$ 4(mean-median)

Question No.46 (Question Id - 35)

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

Assertion A:

Status of women in North-Eastern states of India is encouraging.

Reason R:

Women's participation in economic activities in North-East India is good.

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

- (A) ☐ **Both A and R are correct and R is the correct explanation of A. (Correct Answer)**
 (B) ☐ Both **A** and **R** are correct but **R** is not the correct explanation of **A**.
 (C) ☐ **A** is correct but **R** is not correct.
 (D) ☐ **A** is not correct but **R** is correct.

Question No.47 (Question Id - 9)

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

Assertion A :

Talking of the relationship between 'Man and Nature', it is stated that nature sets the limits and offers possibilities for development.

Reason R :

Nature has sufficient for everyone's 'Need' but not for everyone's 'Greed'.

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

- (A) ☐ Both **A** and **R** are true and **R** is the correct explanation of **A**.
 (B) ☐ **Both A and R are true but R is not the correct explanation of A. (Correct Answer)**
 (C) ☐ **A** is true but **R** is false.
 (D) ☐ **A** is false but **R** is true.

Question No.48 (Question Id - 89)

Given below are two statements :

The Integrated Rural Development Programme (IRDP) was launched in 1978-79 by bringing together the Community Area Development Programme (CADP), Drought Prone Area Programme (DPAP), Small Farmers Development Agency (SFDA) and Marginal Farmers and Agricultural Labourers Agency (MFALA).

Statement II :

The Integrated Rural Development Programme (IRDP) was launched in 1979-80 only integrated existing National Rural Development Programme (NRDP), Minimum Need Programme (MNP), Training of Rural Youth for Self-Employment (TRYSEM), Development of Women and Children in Rural Areas (DWCRA) and Indira Awas Yojna (IAY).

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

- (A) ☐ Both **Statement I** and **Statement II** are true.
- (B) ☐ Both **Statement I** and **Statement II** are false.
- (C) ☐ **Statement I is correct but Statement II is false. (Correct Answer)**
- (D) ☐ **Statement I** is incorrect but **Statement II** is true.

Question No.49 (Question Id - 30)

Which one of the following region has the highest proportion of agricultural land under irrigation ?

- (A) ☐ **Punjab-Haryana Plain (Correct Answer)**
- (B) ☐ Rajasthan-Gujarat Plain
- (C) ☐ Uttar Pradesh-Bihar Plain
- (D) ☐ West Bengal Delta

Question No.50 (Question Id - 69)

The mean of 200 values of an item is 40. Later on it was found that two values were mis-calculated as 50 and 10 instead of 150 and 110 respectively. What is the correct mean ?

- (A) ☐ No change i.e 40
- (B) ☐ **41 (Correct Answer)**
- (C) ☐ 42
- (D) ☐ 39

Question No.51 (Question Id - 29)

The Deccan Plateau of India came into being due to :

- (A) ☐ **Emergence (Correct Answer)**
- (B) ☐ Subsidence
- (C) ☐ Forces of compression
- (D) ☐ Forces of tension

Question No.52 (Question Id - 48)

Given below are two statement

Statement I :

Coral reefs grow in shallow and warm water.

Statement II :

Corals, live in areas where rivers drains fresh water into ocean.

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

- (A) ☐ Both **Statement I** and **Statement II** are correct.
- (B) ☐ Both **Statement I** and **Statement II** are incorrect.
- (C) ☐ **Statement I is correct but Statement II is incorrect. (Correct Answer)**
- (D) ☐ **Statement I** is incorrect but **Statement II** is correct.

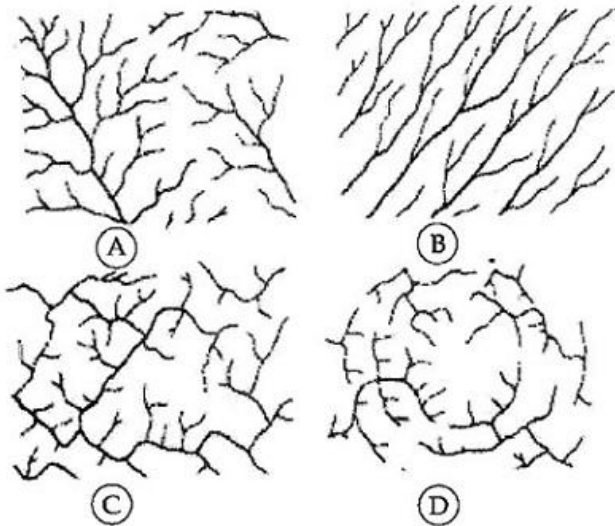
Question No.53 (Question Id - 95)

The standard deviation of a sample 100 observation equals to 9. The variance of sample question equals :

- (A) ☐ **81 (Correct Answer)**
 (B) ☐ 3
 (C) ☐ 30
 (D) ☐ 8100

Question No.54 (Question Id - 36)

Identify the drainage pattern in the given diagrams below :



- (A) ☐ A-Trellis, B-Rectangular, C-Annular, D-Centripetal
 (B) ☐ A-Dendritic, B-Parallel, C-Herringbone, D-Centripetal
 (C) ☐ **A-Dendritic, B-Parallel, C-Rectangular, D-Radial (Correct Answer)**
 (D) ☐ A-Parallel, B-Rectangular, C-Dendritic, D-Radial

Question No.55 (Question Id - 85)

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

Assertion A:

The eastern coastal belt of Tamil Nadu remain relatively dry during south west monsoon.

Reason R:

The Tamil Nadu coast lies in the rain shadow area of Arabian Sea current of south west monsoon.

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

- (A) ☐ **Both A and R are true and R is the correct explanation of A. (Correct Answer)**
 (B) ☐ Both **A** and **R** are true but **R** is not the correct explanation of **A**.
 (C) ☐ **A** is true but **R** is false.
 (D) ☐ **A** is false but **R** is true.

Question No.56 (Question Id - 96)

The sum of deviation of the individual data elements from their mean is :

- (A) ☐ Always greater than zero
 (B) ☐ Always less than zero
 (C) ☐ Sometimes greater than and sometimes less than zero; depending on the data elements
 (D) ☐ **Always equal to zero (Correct Answer)**

Question No.57 (Question Id - 33)

- (A) ☒ North-West to South-East (Correct Answer)
- (B) ☐ North to South
- (C) ☐ Clock-wise to anti-clock wise direction
- (D) ☐ Anticyclonic

Question No.58 (Question Id - 99)

Match **List-I** with **List-II** :

List-I	List-II
A. The Archaean Rock Group	I. Cuddapah system, Delhi system Vindhyan system
B. Purana Rock Group	II. Archaean system, Dharwad system
C. Dravadian Rock Group	III. Rocks of Palaeozoic Era, Cambrian to middle Carboniferous period
D. Aryan Rock Group	IV. Rock formation ranging from the Upper Carboniferous to recent

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

- (A) ☒ A - II, B - I, C - III, D - IV (Correct Answer)
- (B) ☐ A - IV, B - II, C - I, D - III
- (C) ☐ A - II, B - III, C - IV, D - I
- (D) ☐ A - I, B - II, C - III, D - IV

Question No.59 (Question Id - 12)

What is the distance of territorial control of an nation-state's Exclusive Economic Zone (EEZ) ?

- (A) ☐ 120 nautical miles
- (B) ☐ 240 nautical miles
- (C) ☒ 200 nautical miles (Correct Answer)
- (D) ☐ 100 nautical miles

Question No.60 (Question Id - 83)

Which of the following statements are **correct** ?

- A. Pulicat is a brackish water lake situated on the Coromandal coast.
- B. Lonar the fresh water lake of Maharashtra is a meteor lake.
- C. Loktak the fresh water lake of Manipur designated as a wetland of international importance under Ramsar Convention.
- D. In Bihar Govind Vallabh Sagar lake is built over the Rihand Dam.

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

- (A) ☐ A, B and C Only
- (B) ☐ B and C Only
- (C) ☒ A and C Only (Correct Answer)
- (D) ☐ B and D Only

Question No.61 (Question Id - 54)

Which of the following is **not** correct about cyclones ?

- A. Low pressure at the centre.
- B. Accompanied by cloudy weather, strong winds and rain.
- C. Air moves downwards creating divergence.
- D. Spin clockwise in northern hemisphere

- (A) ☐ A and B Only
 (B) ☐ B and C Only
 (C) ☒ C and D Only (Correct Answer)
 (D) ☐ A, B, C, D Only

Question No.62 (Question Id - 17)

The author of the book entitled 'Principles of Human Geography' is :

- (A) ☐ Ellen Churchill Sample
 (B) ☐ Walter Christaller
 (C) ☐ Alexander Keith Johnston
 (D) ☒ Vidal de La Blache (Correct Answer)

Question No.63 (Question Id - 8)

Weber's Model in Economic Geography relates to which of the following settings :

- (A) ☐ Location of Livestock Farming
 (B) ☐ Urban Land-use
 (C) ☐ Agricultural Land-use
 (D) ☒ Location of Industries (Correct Answer)

Question No.64 (Question Id - 47)

The below question has been dropped and full marks are awarded.

Match List-I with List-II :

List-I	List-II
Isolines	Representation
(A) Isobath	(i) A line representing point of equal wind speed
(B) Isohaline	(ii) A line representing point of equal depth under water
(C) Isoneph	(iii) A line representing point of equal salinity in the ocean
(D) Isotach	(iv) A line representing equal amount of cold water

Choose the correct answer from the options given below :

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

Question No.65 (Question Id - 34)

As per census of India 2011, the maximum number of towns are registered in one of the following categories :

- (A) ☐ Class II
 (B) ☒ Class IV (Correct Answer)
 (C) ☐ Class VI
 (D) ☐ Class I

Question No.66 (Question Id - 19)

Who among the following is said to have forwarded the idea of Regional geography ?

- (A) ☐ Pliny
 (B) ☒ Hecateus of Miletus (Correct Answer)
 (C) ☐ Eratosthenes

Question No.67 (Question Id - 38)

Match List-I with List-II :

List-I (Wind)	List-II (Wind belt)
(A) Doldrums	(i) about 30° North and South Latitude
(B) Horse Latitude	(ii) 30° to 60° Latitude from ITC
(C) Prevailling Westerlies	(iii) 60° Latitude to the North and South pole
(D) Polar Easterlies	(iv) 5° North and South of equator

Choose the correct answer from the options given below :

- (A) ☐ A - I, B - II, C - III, D - IV
- (B) ☒ **A - IV, B - I, C - II, D - III (Correct Answer)**
- (C) ☐ A - IV, B - II, C - I, D - III
- (D) ☐ A - II, B - IV, C - III, D - I

Question No.68 (Question Id - 21)

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

Sex ratio (females per thousand male) is more in favour of males in India.

Reason R :

In India, males have a longer expectation of life at birth than females.

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

- (A) ☐ Both **A** and **R** are true and **R** is the correct explanation of **A**.
- (B) ☐ Both **A** and **R** are true but **R** is not the correct explanation of **A**.
- (C) ☒ **A is true but R is false. (Correct Answer)**
- (D) ☐ **A** is false but **R** is true.

Question No.69 (Question Id - 82)

Read the following statement about Krishna river :

- A. Krishna is the largest east flowing peninsular river of India.
- B. It rises in the western ghats just to the north of Mahabaleshwar.
- C. Ghataprabha is a tributary of the river Krishna
- D. It flows through the state of Maharashtra, Karnataka, Tamil Nadu, Telangana and Andhra Pradesh.

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

- (A) ☐ A, B and C Only
- (B) ☐ B, C and D Only
- (C) ☒ **B and C Only (Correct Answer)**
- (D) ☐ C and D Only

Question No.70 (Question Id - 63)

List-I	List-II
Spectrum	Wavelength
A. Infrared spectrum	I. 1mm-1m
B. Ultraviolet (UV) region	II. 0.7 - 100 μm
C. Microwave region	III. 0.30 μm - 0.38 μm
D. Radio wave	IV. >1m

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

- (A) ☐ A - I, B - II, C - III, D - IV
 (B) ☐ A - II, B - IV, C - I, D - III
 (C) ☒ **A - II, B - III, C - I, D - IV (Correct Answer)**
 (D) ☐ A - IV, B - III, C - II, D - I

Question No.71 (Question Id - 79)

Which one of the following is a small scale map ?

- (A) ☐ Cadastral map
 (B) ☐ Topographical map
 (C) ☒ **Atlas map (Correct Answer)**
 (D) ☐ City map

Question No.72 (Question Id - 55)

Off-shore bars are formed by :

- (A) ☐ Depositional work by wind
 (B) ☐ Erosion work of glacier
 (C) ☒ **Deposition work of sea waves (Correct Answer)**
 (D) ☐ Deposition work of glaciers

Question No.73 (Question Id - 74)

Which one of the following projection is most suitable for the navigation purpose ?

- (A) ☐ Bonne's projection
 (B) ☒ **Mercator projection (Correct Answer)**
 (C) ☐ Conical projection with one standard parallel
 (D) ☐ Conical projection with two standard parallel

Question No.74 (Question Id - 59)

Match List-I with List-II :

List-I	List-II
Book	Author
(A) Ellen Churchill Semple	(i) The Face of the Earth
(B) Edward Suess	(ii) The Morphology of Landscape
(C) Ellsworth Huntington	(iii) Influence of Geographic Environment
(D) Carl Sauer	(iv) Pulse of Asia

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

- (A) ☐ A - I, B - II, C - III, D - IV
 (B) ☒ **A - III, B - I, C - IV, D - II (Correct Answer)**
 (C) ☐ A - III, B - IV, C - II, D - I
 (D) ☐ A - I, B - III, C - IV, D - II

Question No.75 (Question Id - 3)

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

Reason R

Before 1921, the population growth-rate of India was very low.

Reason R :

The Birth Rate in India before 1921 was negligible.

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

- (A) ☐ Both **A** and **R** are true and **R** is the correct explanation of **A**.
 (B) ☐ Both **A** and **R** are true but **R** is not the correct explanation of **A**.
 (C) ☒ **A is true but R is false. (Correct Answer)**
 (D) ☐ **A** is false but **R** is true.

Question No.76 (Question Id - 10)

The term Physiological Density of population connotes :

- (A) ☐ Population per unit of total area in a region
 (B) ☐ Urban population per unit of Urban land
 (C) ☐ Rural population per unit of Rural land
 (D) ☒ **Population per unit of Cultivated land (Correct Answer)**

Question No.77 (Question Id - 44)

The below question has been dropped and full marks are awarded.

Match **List-I** with **List-II** :

List-I	List-II
Instrument Name	Used to measure
A. Lysimeter	I. Evapotranspiration
B. Altmometer	II. Evaporation
C. Anemometer	III. Atmospheric velocity
D. Hygrograph	IV. Wind velocity

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

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

Question No.78 (Question Id - 77)

Match **List-I** with **List-II** :

List-I	List-II
Geographical Features	Suitable Projection
A. U.S. Canada Boundary	I. Conical projection with two standard parallel
B. Trans. Siberian Railway	II. Cylindrical equal area projection
C. Cape to Cairo Railway Route	III. Simple conic with one standard parallel
D. Distribution of crops in the mid-latitude region	IV. Zenithal equidistant

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

- (A) ☐ A - II, B - IV, C - I, D - III
 (B) ☒ **A - III, B - I, C - IV, D - II (Correct Answer)**
 (C) ☐ A - IV, B - II, C - III, D - I
 (D) ☐ A - I, B - III, C - II, D - IV

Question No.79 (Question Id - 75)

The mean of five numbers a, b, c, d and e is 120. If the value of a=80, then the mean of the remaining is :

- (A) ☐ 140
(B) ☐ 135
(C) ☒ 130 (Correct Answer)
(D) ☐ 125

Question No.80 (Question Id - 60)

Given below are two statements :

Statement I:

Mie scattering occurs, when the wavelength of the incoming radiation is similar in size to the atmospheric particles.

Statement II:

Reyleigh scattering predominates where electromagnetic radiation interacts with particles that are smaller than the wavelength to the incoming light.

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

- (A) ☒ Both Statement I and Statement II are correct. (Correct Answer)
(B) ☐ Both Statement I and Statement II are incorrect.
(C) ☐ Statement I is correct but Statement II is incorrect.
(D) ☐ Statement I is incorrect but Statement II is correct.

Question No.81 (Question Id - 76)

Which one of the following are absolute measures of dispersion ?

- A. Co-efficient of variation
B. Standard Deviation
C. Range
D. Mean Deviation

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

- (A) ☒ B, C and D Only (Correct Answer)
(B) ☐ A and B Only
(C) ☐ A Only
(D) ☐ B and C Only

Question No.82 (Question Id - 91)

According to first Industrial Policy of India, 1948 in which both the public and private sector were involved towards industrial development and industries were broadly classified as;

- A. Exclusive State Monopoly
B. State Monopoly for New Units
C. State Regulation
D. Unregulated Private Enterprise
E. Regulated Central Monopoly

Choose the **most appropriate** answer from the options given below :

- (A) ☐ E, D, C, B, A Only

(D) ☐ D, C, A, E Only

(C) ☐ **A, B, C, D Only (Correct Answer)**

(D) ☐ A, B, C, D, E Only

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Question No.83 (Question Id - 53)

Match **List-I** with **List-II** :

List-I	List-II
Local wind	Region
A. Fohn	I. Eastern Europe and North Eastern Italy
B. Bora	II. Northern side of Alps
C. Chinook	III. Central France and Alps of Mediterranean
D. Mistral	IV. Rocky mountain

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

(A) ☐ A - I, B - II, C - III, D - IV

(B) ☐ **A - II, B - I, C - IV, D - III (Correct Answer)**

(C) ☐ A - I, B - III, C - IV, D - II

(D) ☐ A - II, B - III, C - IV, D - I

Question No.84 (Question Id - 64)

Indian Remote Sensing satellite series IRS-P4 is also known as :

(A) ☐ Resourcesat

(B) ☐ Edusat

(C) ☐ Remotesat

(D) ☐ **Oceansat (Correct Answer)**

Question No.85 (Question Id - 92)

States sharing highest and lowest geographical distribution of Schedule Caste population in India, 2011 are respectively :

A. West Bengal and Goa

B. Himachal Pradesh and Sikkim

C. Uttar Pradesh and Meghalaya

D. Andhra Pradesh and Manipur

E. Punjab and Arunachal Pradesh

Choose the **most appropriate** answer from the options given below :

(A) ☐ A and B Only

(B) ☐ **E Only (Correct Answer)**

(C) ☐ C and D Only

(D) ☐ A and E Only

Question No.86 (Question Id - 5)

As per census of India 2011, the number of cities in India with Population over one million is :

(A) ☐ 33

(B) ☐ 45

(C) ☐ **53 (Correct Answer)**

(D) ☐ 67

Question No.87 (Question Id - 13)

Organic Theory of the state was propounded by :

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- (A) ☐ Mackinder
(B) ☒ **Ratzel (Correct Answer)**
(C) ☐ Haushofer
(D) ☐ Isaiah Bawman

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Question No.88 (Question Id - 78)

If the distance between Location A and Location B is 8 cm on map and R.F. of the map is 1 : 450,000 then what will be the distance between these two places ?

- (A) ☐ 25 km
(B) ☒ **36 km (Correct Answer)**
(C) ☐ 45 km
(D) ☐ 40 km

Question No.89 (Question Id - 2)

According to Malthusian Theory, population has a tendency to increase by :

- (A) ☐ Arithmetic Progression
(B) ☒ **Geometric Progression (Correct Answer)**
(C) ☐ Exponential Progression
(D) ☐ None of the above

Question No.90 (Question Id - 7)

Which of the following states is known for White Revolution in India ?

- (A) ☐ Chhatisgarh
(B) ☐ Karnataka
(C) ☒ **Haryana (Correct Answer)**
(D) ☐ Tamil Nadu

Question No.91 (Question Id - 25)

Shivalik Range belongs to :

- (A) ☐ Upper Himalayas
(B) ☐ Central Himalayas
(C) ☒ **Outer Himalayas (Correct Answer)**
(D) ☐ Eastern Himalayas

Question No.92 (Question Id - 40)

Match List-I with List-II :

Soil forming Regimes	Characteristics/Region
(A) Podzolization	(i) Dominated by forest, shrub and savanna vegetation in tropics and sub-tropic region
(B) Laterization	(ii) Boreal forest in sub-arctic climate, in northern hemisphere
(C) Calcification	(iii) Drier prairies of North America, the Steppes of Eurasia.
(D) Gleization	(iv) Waterlogged area normally in cool climate

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

- (A) ☐ A - I, B - II, C - III, D - IV
(B) ☒ **A - II, B - I, C - III, D - IV (Correct Answer)**
(C) ☐ A - III, B - II, C - IV, D - I
(D) ☐ A - IV, B - III, C - II, D - I

Question No.93 (Question Id - 6)

Match List-I with List-II :

List-I	List-II
A. Christaller	I. Central Place Theory
B. Von Thunen	II. Land-use Theory
C. Homer Hoyt	III. Sector Zone Theory

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

- (A) ☐ **A - I, B - II, C - III, D - IV (Correct Answer)**
 (B) ☐ A - IV, B - III, C - II, D - I
 (C) ☐ A - III, B - II, C - I, D - IV
 (D) ☐ A - I, B - III, C - IV, D - II

Question No.94 (Question Id - 70)

Find out the median value of the below given data set.

20, 26, 33, 41, 43, 46, 48, 51

- (A) ☐ **42 (Correct Answer)**
 (B) ☐ 41
 (C) ☐ 43
 (D) ☐ 44.5

Question No.95 (Question Id - 84)

Which of the following statements are **correct** about India ?

- A. Most of the coal production in India comes from open cast mining.
 B. Coal fields in Odisha are the oldest in India.
 C. Tertiary coal fields are found in Central India.
 D. Jharkhand, West Bengal and Odisha are the major coal producing states in India.

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

- (A) ☐ A, B and C only
 (B) ☐ B, C and D Only
 (C) ☐ **A and D Only (Correct Answer)**
 (D) ☐ B and D Only

Question No.96 (Question Id - 24)

Which one of the following does not belong to Dravidian Group of languages ?

- (A) ☐ Kannada
 (B) ☐ Malayalam
 (C) ☐ **Oriya (Correct Answer)**
 (D) ☐ Tamil

Question No.97 (Question Id - 100)

Match List-I with List-II :

List-I	List-II
(A) Command Area Development Programme (CADP)	(i) 1996
(B) National Commission for Integrated Water Resources Development Plan	(ii) 1983
(C) National Water Board	(iii) 1974-75
(D) National Water Resources Council	(iv) 1990

Choose the correct answer from the options given below :

- (A) ☐ A - I, B - II, C - III, D - IV
 (B) ☐ A - II, B - III, C - IV, D - I
 (C) ☐ A - IV, B - I, C - III, D - II
 (D) ☐ **A - III, B - I, C - IV, D - II (Correct Answer)**

The measure of dispersion that is influenced most by extreme value is :

- (A) ☐ Variance
(B) ☐ Standard Deviation
(C) ☐ **Range (Correct Answer)**
(D) ☐ Interquartile Range

Question No.99 (Question Id - 97)

Which of the following is the definition of median ?

- (A) ☐ **The MEDIAN is the value that half of the entries are below and half of the entries are above**

(Correct Answer)

- (B) ☐ The MEDIAN is the value that has the highest frequency
(C) ☐ The MEDIAN is the largest value
(D) ☐ The MEDIAN is the average calculated by adding up all the values and dividing by the number of entries

Question No.100 (Question Id - 42)

Given below are two statements :

Statement I :

The column of air is said to be stable when its normal Lapse rate is greater than the dry-adiabatic Lapse Rate.

Statement II :

The column of air is said to be in neutral equilibrium when its prevailing normal Lapse rate has the same value as the dry-adiabatic Lapse Rate,

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

- (A) ☐ Both **Statement I** and **Statement II** are correct.
(B) ☐ Both **Statement I** and **Statement II** are incorrect.
(C) ☐ **Statement I** is correct but **Statement II** is incorrect.
(D) ☐ **Statement I is incorrect but Statement II is correct. (Correct Answer)**

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