JAN 2017 PAPER 3 UGC NET GEOGRAPHY SOLVED PAPER

Q.1. Ria is an example of –

(1) Neutral shore

(2) Compound shore

(3) Emerged upland shore

(4) Submerged upland shore

Answer: 4

Q.2. The Indian plateau owes its existence due to

(1) Compressional forces

(2) Tensional forces

(3) Emergence

(4) Subsidence

Answer: 3

Q.3. The comprehensive theory of geosyncline was put forward by

(1) Hall and Dana

(2) E. Haug

(3) J. A. Steers

(4) J. W. Evans

Answer: 1

Q.4. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET-JAN 2017)

List-I

(Shape and Alignment of Dunes)

(I) Longitudinal

(II) Transverse

(III) Parabolic

(IV) Complex

List-II

(Specific names of Dunes)

(A) Reversing

(B) Coastal

(C) Seif

(D) Barchan

Code:

   (I) (II) (III) (IV)

(1) C   D   B   A

(2) A   B   C   D

(3) B   A   D   C

(4) D   C   A   B

Answer: 1

Q.5. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET-JAN 2017)

List-I

(Theories of Cavern formation)

(I) Two cycle theory

(II) Water table theory

(III) Static water zone theory

(IV) Invasion theory

List-II

(Scholars)

(A) Swinnerton

(B) Gardner

(C) Malott

(D) Davis

Codes:

    I II III IV

(1). C B A D

(2). D A B C

(3). B C A D

(4). D B C A

Answer: 2

Q.6. Lateral planation theory of pediment formation was proposed by

(1) McGee

(2) Gilbert

(3) Lawson

(4) Davis

Answer: 2

Q.7. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your Answerfrom the codes given below:

Assertion (A): Hawaii Island is a region of volcanic activity.

Reason (R): Convergent plate margins are sites of volcanic eruptions.

Codes:

(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 true, but (R) is false.

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

Answer: 2

Q.8. Which one of the following description is appropriate for the term 'barotropic'?

(1) Isobars and isotherms are parallel

(2) Isobars and isotherms are not parallel

(3) Isobars and isohalines are parallel.

(4) Isobars and isohalines are not parallel.

Answer: 1

Q.9. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET-JAN 2017)

List-I

(Surface condition)

(I) Forest

(II) Desert

(III) Rain forest

(IV) Grasslands

List-II

(Precipitation Efficiency (P-E) index)

(A) > 127

(B) < 16

(C) 32

(D) 64 – 127

Codes:

  I II III IV

(1) C A B D

(2) C A D B

(3) D B C A

(4) D B A C

Answer: 4

Q.10. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET-JAN 2017)

List-I

(Component)

(I). Oxygen

(II) Argon

(III) Carbon-di-oxide

(IV) Nitrogen

List-II

(Volume % in dry air)

(A) 0.03

(B) 78.08

(C) 0.93

(D) 20.94

Codes:

  I II III IV

(1) D B C A

(2) D C A B

(3) C D B A

(4) D C B A

Answer: 2

Q.11. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your Answerfrom the codes given below:

Assertion (A): Tropical climates are of special geographical interest.

Reason (R): Over 75 % of the World's population inhabits between latitudes 30° N and 30°S.

Codes:

(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.

Answer: 1

Q.12. In Koppen's Classification of climate the symbol Aw refers to

(1) Monsoon climate

(2) Tropical rainforest climate

(3) Steppe climate

(4) Tropical Savanna climate

Answer: 4

Q.13. Which one of the following is the main energy Source for the formation of hurricanes?

(1) Geothermal energy of the Earth

(2) Latent heat derived from condensed water vapour

(3) Large scale fossil fuel burning

(4) Formation of Ozone (O3) hole

Answer: 2

Q.14. Which one of the followings is the correct average air mass density at the surface of the Earth?

(1) 0.9 kgm-3

(2) 1.2 kgm-3

(3) 1.5 kgm-3

(4) 0.7 kgm-3

Answer: 2

Q.15. In which one of the following atmospheric layers the temperature decreases with height an average rate of about 0.6°C per 100 m?

(1) Troposphere

(2) Stratosphere

(3) Thermosphere

(4) Ionosphere

Answer: 1

Q.16. Match List-I with List–II and select the correct Answerfrom the codes given below:

List-I (Nature of the change)

(I) Desertification in the semi-arid area

(II) Gully development in a valley bottom

(III) Increasing coast erosion

(IV) Greater river-flood intensity

List-II (Possible anthropogenic causes)

(A) Effect of groynes up the coast

(B) Overgrazing

(C) Runoff from a new road

(D) Urbanisation

Codes:

  I II III IV

(1) B C D A

(2) B C A D

(3) C B A D

(4) D C B A

Answer: 2

Q.17. Which one of the following was first to put forward the concept of 'life form' among plants in 1934?

(1) A. S. Moffat

(2) R. H. Whittaker

(3) Christen Raunkiaer

(4) E. O. Box

Answer: 3

Q.18. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I

(Sea configuration)

(I) Sea water

(II) Oceanic crust

(III) Continental crust

(IV) Continental margin

List-II

(Density in gm/cm3)

(A) 2.4

(B) 1.03

(C) 2.8

(D) 2.9

Codes

I II III IV

(1). D B A C

(2). B D A C

(3). B D C A

(4). C D B A

Answer: 3

Q.19. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I (Sea configuration)

(I) Sea bottom

(II) Surface layer of sea water

(III) Deep-sea trenches

(IV) Sea water column

List-II (Deposits)

(A) Hadalpelagic

(B) Pelagic province

(C) Benthic province

(D) Epipelagic zone

Codes:

I II III IV

(1). C D B A

(2). C D A B

(3). D C B A

(4). A D B C

Answer: 2

Q.20. Which one of the following is the correct average slope angle of continental slope?

(1) 2°

(2) 4°

(3) 6°

(4) 8°

Answer: 2

Q.21. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your Answerfrom the codes given below:

Assertion (A): Coral reefs tend to be most extensively developed along the eastern edges of continents.

Reason (R): Sea water is warmer than 20 °C.

Codes:

(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.

Answer: 1

Q.22. which one of the following is the main chemical composition of coral reefs?

(1) $MgCO_3$ (Magnesium Carbonate)

(2) KCO_3 (Potassium Carbonate)

(3) $NaCl$ (Sodium Chloride)

(4) $CaCO_3$ (Calcium Carbonate)

Answer: 4

Q.23. The transition zone between two ecosystems is called

(1) Biotope

(2) Ecotone

(3) Biome

(4) Habitat

Answer: 2

Q.24. who wrote the book 'La Geographic Humaine?

(1) P. E. James

(2) Jeans Brunhes

(3) R J Johnston

(4) E. Jones

Answer: 2

Q.25. Who amongst the following defined geography as a chorological Science?

(1) Richthofen

(2) Hettner

(3) Ptolemy

(4) Peter Haggett

Answer: 2

Q.26. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I (Authors)

(I) Haggerstrand

(II) Gilbert White

(III) Walter Isard

(IV) William Bunge

List-II (Books)

(A) Theoretical Geography

(B) Geography dimensions of innovations

(C) Human response to Floods

(D) Methods of regional analysis

Codes:

    I II III IV

(1). A C B D

(2) D B A C

(3). C D B A

(4). B C D A

Answer: 4

Q.27. "The dominant idea in all geographical progress is that of terrestrial unity. " This statement is attributed to

(1) Richard Hartshorne

(2) Vidal de la Blache

(3) Jean Brunhes

(4) Friedrich Ratzel

Answer: 2

Q.28. Who was the first promoter of geographical knowledge from Germany?

(1) Ferdinand Von Richthofen

(2) Carl Ritter

(3) Carl Andree

(4) Oscar Paschal

Answer: 2

Q.29. Stop and go determinism was postulated by whom?

(1) Humboldt

(2) Jean Brunhes

(3) Griffith Taylor

(4) Ratzel

Answer: 3

Q.30. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I

(Geographers)

(I) Alexander Von Humboldt

(II) Ellen Churchill Semple

(III) Peter Haggett

(IV) Jean Brunhes

List-II

(Country)

(A) France

(B) U. K.

(C) U. S. A.

(D) Germany

Codes:

    I II III IV

(1). D C B A

(2). C B A D

(3). B D C A

(4). A D C B

Answer: 1

Q.31. How many stage of population growth are involved in demographic transition?

(1) 3

(2) 4

(3) 5

(4) 6

Answer: 3

Q.32. As per census of India how many categories of urban settlements are identified?

(1) 3

 (2) 4

(3) 5

(4) 6

Answer: 4

Q.33. Which one of the following models is based on the study of human ecology?

(1) Burgess and Park's concentric zone model

(2) Weber's location model

(3) Haggerstrand's innovation diffusion model

(4) Zelinsky's mobility transition model

Answer: 1

Q.34. As per the Indian census, the difference of sex ratio (Females per 1000 males) of the population in India between 2001 and 2011 was

(1) 5

(2) 6

(3) 7

(4) 8

Answer: 3

Q.35. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List- I (Distribution of Settlement)

List-II (Country)

(A) Perfect Uniform

(B) Cluster

(3) C. Random

(4) D. Uniform

Codes:

   I II III IV

(1) B C A D

(2) B C D A

(3) B A D C

(4) A B C D

Answer: 2

Q.36. The census of India (2011) states that maximum density of population is found in which of the following Union Territories?

(1) Andaman and Nicobar Islands

(2) Lakshadweep Islands

(3) Dadra and Nagar Haveli

(4) Daman and Diu

Answer: 4

Q.37. According to census, the literacy rate (%) of India in 2011 was recorded as

(1) 80

(2) 78

(3) 76

(4) 74

Answer: 4

Q.38. Which one of the following conditions of Input price variables is applicable in the given diagram of the deviation of a boundary between the market areas of two competing firms A and B, where freight rate is equal?

Codes:

(1) $Ap > Bp$

(2) $Ap < Bp$

(3) $Ap = Bp$

(4) $Ap \geq Bp$

Answer: 1

Q.39. The nature of input cost-curve over space in industrial landscape becomes

(1) Convex

(2) Concave

(3) Linear

(4) 'U' shaped

Answer: 4

Q.40. Among the following authors, who wrote the book entitled 'Locational Analysis in Human Geography'?

(1) P. Haggett

(2) T. Hagerstrand

(3) P. Hall

(4) D. Gregory

Answer: 1

Q.41. Given below are two statements, one labelled as Assertion (A) and the other Labelled as Reason (R).

Assertion (A): Urbanization is a defining phenomenon of this century and the developing countries are at the focus of this transformation.

Reason (R): The urban shift has happened in the last few decades largely due to rapid growth of mega cities in the developing countries.

Codes:

(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.

Answer: 3

Q.42. Nomothetic approach in geography emphasizes of

(1) Induction study

(2) Ideographic study

(3) Law making study

(4) Empirical study

Answer: 3

Q.43. Alfred Weber's approach to optimization of spatial process in industrial landscape was towards the search of:

(1) Maximum revenue location

(2) Least transport cost location

(3) Uniformity of input demand

(4) Uniformity of plant revenue

Answer: 2

Q.44. The major occupation of the people of Mediterranean lands is:

(1) Nomadic herding

(2) Livestock farming

(3) Growing of tropical crops

(4) Growing of grains & fruits

Answer: 4

Q.45. Where are Tapovan and Vishnugarh Hydroelectric projects located?

(1) Uttar Pradesh

(2) Madhya Pradesh

(3) Uttarakhand

(4) Jharkhand

 Answer: 3

Q.46. Which State in USA grows wheat in spring season?

(1) North Dakota

(2) Texas

(3) Nebraska

(4) California

Answer: 1

Q.47. Who coined the term GEOPOLITICS?

(1) Spykman

(2) Mackinder

(3 Kjellen

(4) Haushoffer

Answer: 3

Q.48. The Tribal Welfare Committee (1952) classified Indian tribes into how many categories.

(1) 5

(2) 4

(3) 3

(4) 2

Answer: 2

Q.49. The Hottentots are the

(1) Negritos of Sri Lanka having brown colour

(2) Yellow skin colour people of South-West Africa

(3) Negritos of East Africa

(4) Pigmies of Congo basin

Answer: 2

Q.50. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I (Sources of Energy)

(I) Geothermal

(II) Sea Wind

(III) Waves

(IV) Nuclear

List-II (Places)

(A) Khambhat

(B) Kaiga

(C) Manikaran

(D) Vijinjham

Codes:

   I II III IV

(1). B A C D

(2). D C B A

(3). C A D B

(4). A C B D

Answer: 3

Q.51. Which one of the following authors developed the theory of social physics to create the field of macro geography?

(1) Stewart and Warntz

(2) Jackson and Smith

(3) Shevky and Bell

(4) Jones and Eyles

Answer: 1

Q.52. Who defined cultural geography "Which emphasizes human cultures and is commonly equated with human geography"?

(1) John Eyles

(2) Emrys Jones

(3) Dudley stamp

(4) Eshref Shevky

Answer: 3

Q.53. Edward L. Ullman's 1957 study on commodity flows to study spatial interaction and regional economic structure was based on economy of which country?

(1) Europe

(2) U. S. A.

(3) U. K.

(4) Australia

Answer: 2

Q.54. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I (Geographers)

(I) J. Gottmen

(II) E. Burgess

(III) M. Jefferson

(IV) C. Harris and

List-II (Theories/Model/Concepts)

(A) Concentric zone theory

(B) Primate city

(C) Multiple Nuclei model

(E) Ullman D. Megalopolis

Codes:

    I II III IV

(1). A D C B

(2). B A D C

(3). C B A D

(4). D A B C

Answer4

Q.55. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I (Year)

(I) 1826

(II) 1966

(III) 1954

(IV) 1909

List-II (Books)

(A) Theory of the Location of Industries

(B) The Economics of Location

(C) The Isolated State

(D) Central places in Southern Germany

Codes:

 I II III IV

(1). B D C A

(2). C D B A

(3). A C B D

(4). C B A D

Answer: 2

Q.56. Which ONE of the following is not in conformity with the central place theory?

(1) Central place is a settlement providing services for the population of its hinterland.

(2) Hierarchy and nesting pattern results in maximum number of central places

 (3) Ubiquities and localized raw materials

(4) Market areas for different goods resemble nets of hexagons

Answer: 3

Q.57. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I (Terms)

(I) Material index

(II) Isodapanes

(III) Labour Co-efficient

(IV) Agglomeration

List-II (Description)

(A) ratio of the labour cost per unit of product to the locational weight of that unit

(B) Advantage of production due to the concentration of industry

(C) Weight of localized material and the weight of the product

(D) Lines of equal transport costs per tonne

Codes:

   I II III IV

(1). C D A B

(2). D C B A

(3). D B C A

(4). B D A C

Answer: 1

Q.58. The gravity principle in identification of nodal regions states that the interaction between two geographical points is directly related to their

(1) Distance

(2) Masses

(3) Size of settlement

(4) Mode of transport

Answer: 2

Q.59. Which one of the following is located in the Bastar region?

(1) Dandeli wildlife Sanctuary

(2) Rajaji National Park

(3) Bandhavgarh National Park

(4) Indravati National Park

Answer: 4

Q.60. Who among the following formalized the concept that there exists relationship between the spatial organization and national development?

(1) Kuklinski

(2) Dickens

(3) Friedmann

(4) Luten

Answer: 3

Q.61. Who wrote the book "Growth Pole, and Growth Centres for Regional Economic Development in India"?

(1) Misra, Rao and Sundaram

(2) Sundaram and T. B. Lahiri

(3) Sen and Wanamali

(4) Sadasyuk and Sengupta

Answer: 1

Q.62. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I (Crop)

(I) Groundnut

(II) Barley

(III) Rice

(IV) Ragi

List-II (Chief producer)

(A) Karnataka

(B) Uttar Pradesh

(C) Gujarat

(D) West Bengal

Codes:

   I II III IV

(1) C B D A

(2) B D A C

(3) D A B C

(4) A C B D

Answer: 1

Q.63. The oldest rocks in India are reported from

(1) Siwalik range

(2) Aravali range

(3) Dharwar region

(4) Vindhyan range

Answer: 2

Q.64. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I (pass)

(I) Shipki-la

(II) Niti

(III) Nathu-la

(IV) Bomdi-la

List-II (State)

(A) Arunachal Pradesh

(B) Himachal Pradesh

(C) Uttarakhand

(D) Sikkim

Codes:

   I II III IV

(1). A B C D

(2). C A B D

(3). B C D A

(4). D B A C

Answer: 3

Q.65. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your Answerfrom the codes given below:

Assertion (A): India is a multi-religious and multi-ethnic society.

Reason (R): The constitution of India offers to all citizens, individually and collectively, fundamental rights without discrimination on ground of religion, race, caste, sex or place of birth.

Codes:

(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.

Answer: 2

Q.66. Select the correct sequence of the Eastward flowing rivers of peninsular India from North to South:

(1) Subarnarekha, Krishna, Mahanadi, Godavari, Cauvery, Vaigai, Pennar

(2) Subarnarekha, Mahanadi, Godavari, Krishna, Pennar, Cauvery, Vaigai,

(3) Mahanadi, Godavari, Subarnarekha, Krishna, Cauvery, Vaigai, Pennar

(4) Godavari, Subarnarekha, Krishna, Pennar, Vaigai, Cauvery, Mahanadi,

Answer: 2

Q.67. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I

(Land use/Land cover types)

(I) Forests

(II) Cultivated areas

(III) Uncultivable land

(IV) Built up areas

List-II

(Conventional colour map symbols)

(A) Yellow

(B) Red

(C) Dark green

(D) Brown

Codes:

   I II III IV

(1). C A D B

(2). D C B A

(3). A D B C

(4). C A B D

Answer: 1

Q.68. Which one of the following systems uses the vector and raster data?

(1) Remote Sensing System

(2) Geographical Information System

(3) Global Positioning System

(4) Both (1) and (2)

Answer: 2

Q.69. Which one of the following linear length measures could be derived from the fractional measure of 10-6 metres?

(1) Nanometre

(2) Micrometre

(3) Millimetre

(4) Femtometre

Answer: 2

Q.70. Match List-I with List–II and select the correct Answerfrom the codes given below: (UGC NET JAN 2017)

List-I

(EMR spectral band)

(I) Visible

(II) Ultraviolet

(III) Infrared

(IV) Thermal

List-II

(Wavelength (Micron)

(A) 0.8 – 1.1

(B) 10.0 – 12.5

(C) 0.3 – 0.4

(D) 0.4 – 0.7

Codes:

   I II III IV

(1). B A D C

(2). A B C D

(3). D C A B

(4). C D B A

Answer: 3

Q.71. In order to study standard of living among the large, medium, small and marginal farmers of a region, which of the sampling technique would be more appropriate?

(1) Random sampling

(2) Stratified Random sampling

(3) Opportunity sampling

(4) Multistage sampling

Answer: 2

Q.72. Which of the following is a non-quantitative a real distribution map?

(1) Choropleth

(2) Isopleth

(3) Multiple dots

(4) Choroschematic

Answer: 4

Q.73. Match List-I with List-II and select the correct Answerfrom the codes given below:

List 1 (Scatter Diagram)

List 2 (The degree of simple rank correlation)

(A) $\rho = -1$ Perfect negative

(B) $\rho = 0$, no correlation

(C) $\rho = < 1$ Positive

(D) $\rho = 1$ Perfect positive

Codes:

  I II III IV

(1) C D A B

(2) D C A B

(3) C D B A

(4) A B C D

Answer: 3

Q.74. Which one of the following equations represents a true mathematical characteristic of mean?

(1) $\sum (X - \bar{X})2 = minimum$

(2) $\sum (X - \bar{X})2 = 0$

(3) $\sum (X - \bar{X})2 = maximum$

(4) $\sum (X - \bar{X})2 < \sum (X - \bar{X})$

Answer: 1

Q.75. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Select your Answerfrom the codes given below:

Assertion (A): Area sampling by random numbers requires the area under study which should be gridded within two areas at right angle.

Reason (R): The intersections of row and column of the area will give the sample locations of observation in the area.

Codes:

(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.

Answer: 2