

ENTRANCE EXAMINATION-2018

M.A. / M.Sc. (Geography)

SET D

ROLL NO.

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Signature of Invigilator

Time: 1 Hour 45 Minutes

Total Marks: 100

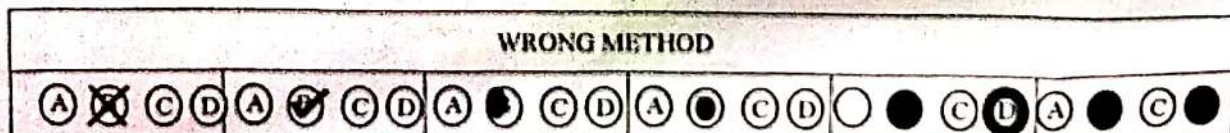
Instructions to Candidates

- Do not write your name or put any other mark of identification anywhere in the OMR Response Sheet. IF ANY MARK OF IDENTIFICATIONS IS DISCOVERED ANYWHERE IN OMR RESPONSE SHEET, the OMR sheet will be cancelled, and will not be evaluated.
- This Question Booklet contains the cover page and a total of 100 Multiple Choice Questions of 1 mark each.
- Space for rough work has been provided at the beginning and end. Available space on each page may also be used for rough work.
- There is negative marking in Multiple Choice Questions. For each wrong answer, 0.25 marks will be deducted.
- USE OF CALCULATOR IS NOT PERMITTED.
- USE/POSSESSION OF ELECTRONIC GADGETS LIKE MOBILE PHONE, iPhone, iPad, pager ETC. is strictly **PROHIBITED**.
- Candidate should check the serial order of questions at the beginning of the test. If any question is found missing in the serial order, it should be immediately brought to the notice of the Invigilator. No pages should be torn out from this question booklet.
- Answers must be marked in the OMR response sheet which is provided separately. OMR Response sheet must be handed over to the invigilator before you leave the seat.
- The OMR response sheet should not be folded or wrinkled. The folded or wrinkled OMR/response Sheet will not be evaluated.
- Write your Roll Number in the appropriate space (above) and on the OMR Response Sheet. Any other details, if asked for, should be written only in the space provided.
- There are four options to each question marked A, B, C and D. Select one of the most appropriate option and fill up the corresponding oval/circle in the OMR Response Sheet provided to you. The correct procedure for filling up the OMR Response Sheet is mentioned below.
- Use Black or Blue Ball Pen only for filling the ovals/circles in OMR Response Sheet. Darken the selected oval/circle completely. If the correct answer is 'B', the corresponding oval/circle should be completely filled and darkened as shown below.

CORRECT
METHOD



WRONG METHOD



1. When the raw material used in an industry is gross and ubiquitous, the location of the firm will be:
 - A. Near the source of raw material
 - ☒ B. Anywhere between the source of raw material market
 - C. Near the market
 - D. Near the capital city
2. In Great Britain a little pulp is produced, but paper making is important, while in Sweden pulp manufacture is far more important than paper making because
 - A. Great Britain is technologically advanced as compared to Sweden.
 - ☒ B. Pulp making is raw material oriented, paper making is more market oriented.
 - C. Sweden is a poor country.
 - D. Great Britain has plenty of forest resources for paper making
3. Break-of-bulk point is a place:
 - A. Where large sized and bulky goods are crushed into.
 - ☒ B. Where goods are transferred from one mode of transport to another.
 - C. Where packaging of the bulky goods is carried out at large scale.
 - D. The place meant for the transport of bulky products.
4. Which one of the following theories emphasizes the policy-oriented concepts such as propulsive firms, leading industries and agglomeration?
 - A. Central Place Theory
 - ☒ B. Theory of Industrial location
 - ☒ C. Growth pole theory
 - D. Theory of spatial organization
5. Which one of the following states experienced the lowest growth rate of literates during 2001-2011?

(A) Tamil Nadu (B) Nagaland (C) Kerala (D) Goa
6. Which one of the following places in India does not get the vertical rays of the Sun?
 - ☒ A. Srinagar (J & K)
 - B. Mumbai
 - ☒ C. Chennai
 - D. Thiruvananthapuram
7. Which of the following diagrams issued to show proportion of different land uses in an area?

(A) Pie (B) Wind rose

(C) Line (D) Flow-Chart
8. Which one of the following major seaports of India does not have natural harbour?

(A) Mumbai (B) Cochin

(C) Marmagao (D) Paradeep
9. Mean, median and mode coincide if the distribution of values is
 - A. Negativity skewed
 - B. Normal
 - C. Positivity skewed
 - D. Poisson
10. The contour interval followed in SOI Toposheet with 1/50,000 scale is:

(A) 20 Metres (B) 50 Metres

(C) 100 Metres (D) 150 Metres
11. About three-fourth of manganese ore reserves of India are found in:
 - A. Orissa, Madhya Pradesh, Maharashtra, Goa
 - ☒ B. Karnataka, Orissa, Madhya Pradesh, Maharashtra
 - C. Karnataka, Madhya Pradesh, Goa, Andhra Pradesh
 - D. Madhya Pradesh, Maharashtra, Andhra Pradesh, Jharkhand

12. The most appropriate sampling technique to represent the heterogeneous population of a region is:
- Cluster
 - Random stratified
 - Systematic
 - Purposive
13. Which of the following countries is known as a unique assemblage of human races in the world?
- Union of South Africa
 - U.S.A.
 - Indonesia
 - India
14. Vast numbers of herbivorous animals and carnivorous such as lions, jackals and hyenas are found in
- Equatorial rainforest
 - Talga
 - Campos of Brazil
 - Savannas of Africa
15. Who coined the term 'Cosmography' and divided it into Uranography and Geography?
- O. Peschel
 - C. Ritter
 - B. Vareneous
 - A. Humboldt
16. Net population change is determined by
- Mortality
 - Migration
 - Fertility
 - Both (A) and (C)
17. High level managerial and executive administrative position fall in the category of
- Primary activities
 - Secondary activities
 - Tertiary activities
 - Quaternary activities
18. Of late, the major focus in urban industrial development is on
- Nodal Development
 - Cluster Development
 - Port-City Oriented Development
 - Both (A) and (C)
19. The chief means of transport in Tundras is
- | | |
|------------|-------------|
| (A) Camel | (B) Donkeys |
| (C) Sledge | (D) Horse |
20. The development of Chennai Bengaluru corridor is based on
- Automobile and I.T. Industries
 - Cotton-textile and garment industries
 - Pharmaceutical and Chemical Industries
 - Residential and Retail Development
21. Japan is one of the leading industrial countries in the world because it has
- Developed hydel power
 - Large deposits of metallic minerals
 - High level of technological capability
 - Insular location

Which of these statements are correct?

(A) 1, 2, 3 and 4

(B) 1, 2 and 3

(C) 1 and 3

(D) 2 and 4

22. Which one of the following languages belong to the Semito-Hamitic linguistic family?

(A) Gondi

(B) Hebrew

(C) Spanish

(D) Dutch

23. Which one of the following culture realms is characterised by (i) heritage of ancient civilization and traditions of classical culture (ii) rise of ancient city states; and (iii) importance of agriculture and horticulture including viticulture?

A. East European

B. Indian

C. Mediterranean

D. Chinese

24. The highest and the lowest population density difference during 2001 and 2011 was recorded respectively in

A. Haryana and Arunachal Pradesh

B. Uttar Pradesh and Tamil Nadu

C. West Bengal and Nagaland

D. Bihar and Nagaland

25. The most important source of irrigation in Great Indian Desert (Thar) is

A. Canal

B. Well

C. Tube-well

D. All of the above

26. Which of the following processes is responsible for weathering of rocks in the Karst region?

A. Scree formation

B. Carbonation

C. Oxidation

D. Hydrolysis

27. Increase in temperature with increase in height is known as

A. Lapse rate

B. Adiabatic lapse rate

C. Inversion of temperature

D. Normal rate

28. Identify the correct sequence of the given processes regarding rainfall:

A. Unsaturated air, condensation, dew point, precipitation

B. Dew point, condensation, unsaturated air, precipitation

C. Unsaturated air, dew point, condensation, precipitation

D. Dew point, precipitation, condensation, unsaturated air

29. Which one of these glacial features is believed to have formed in the bed of a sub-glacial stream?

A. An Esker

(B) Moraine

(C) Drumlin

(D) Kame

30. Indian Meteorological Department (IMD) has divided India into how many seismic zones?

(A) 4

(B) 5

(C) 6

(D) 7

31. When the wind is deflected due to the rotation of earth, it is known as

A. Planetary wind

B. Geostrophic wind

C. Accidental wind

D. Forced wind

32. Bad-land Topography is the product of the combined action of
 A. Wind and Glacier
 B. Wind and Water
 C. Water and Glacier
 D. Water and Temperature
33. Which one of the following is a Taiga Biome?
 A. Sub-Tropical Biome
 B. Sub-Arctic Biome
 C. Savanna Biome
 D. Sub-Sahara Biome
34. Salinity in water bodies increases with
 A. increase in evaporation and decrease in admixture of fresh water.
 B. decrease in evaporation and increase in admixture of freshwater.
 C. decrease in evaporation and no change in admixture of freshwater.
 D. increase in evaporation and increase in admixture of freshwater.
35. Which one of the following primary greenhouse gases is not associated with global warming?
 (A) Water vapour
 (B) Carbon dioxide
 (C) Methane
 (D) Hydrogen
36. In describing the patterns and processes of spatial interaction, geographers are most concerned with
 (A) Accessibility and Connectivity
 (B) Density and Dispersion
 (C) Diffusion and Pattern
 (D) Pedestrian Cities
37. Match List – I with the List – II and select the correct answer from the codes given below:
- | List – I | List – II |
|-----------------|---------------------|
| (National Park) | (State) |
| a. Eravikulam | i. Karnataka |
| b. Bandipur | ii. Kerala |
| c. Hemis | iii. Manipur |
| d. Sironi | iv. Jammu & Kashmir |
- Codes:
- | | a | b | c | d |
|---------|----|-----|-----|---|
| (A) ii | i | iv | iii | |
| (B) iii | iv | ii | i | |
| (C) i | ii | iv | iii | |
| (D) i | iv | iii | ii | |
38. Diego Garcia is an island in which of the following oceans?
 (A) Atlantic
 (B) Pacific
 (C) Indian
 (D) Arctic
39. "All history must be treated geographically, and all geography must be treated historically." Who wrote this?
 (A) Herodotus
 (B) Ratzel
 (C) Blache
 (D) Davis

40. Name the State which employs the highest number of child labour in the country.
 (A) Tamil Nadu
 (B) Bihar
 (C) Andhra Pradesh
 (D) Jharkhand
41. India's decadal population growth rate has been continuously declining since
 (A) 1971-81 (B) 1981-91
 (C) 1991-2001 (D) 2001-2011
42. Marquette range in U.S.A. is known for
 (A) Uranium (B) Copper
 (C) Gold (D) Iron ore
43. The location of paper industries is highly influenced by which one of the following factors?
 (A) Availability and nearness of raw material
 (B) Nearness of market
 (C) Availability of capital
 (D) Transport connectivity
44. Organic Theory of the State was propounded by
 (A) Mackinder
 (B) Ratzel
 (C) Haushofer
 (D) Isaiah Bowman
45. Quasi Federal Form of Government is in
 (A) U.S.A. (B) Great Britain
 (C) Russia (D) India
46. Which of the following was a part of Laurasia?
 (A) Anatolian Plate
 (B) Chinese Plate
 (C) Iranian Plate
 (D) Aegean Plate
47. Which of the following is formed as a result of tectonic forces?
 (A) Hanging valley
 (B) V-shaped valley
 (C) Rift valley
 (D) Blind valley
48. The Base Level concept was postulated by
 (A) James Hutton
 (B) J.W. Powell
 (C) W.M. Davis
 (D) Walther Penck
49. When does an escarpment appear?
 (A) When a land block moves horizontally.
 (B) When a land block moves vertically.
 (C) When a land block moves due to water logging.
 (D) When a land block moves due to human intervention.

50. Identify fluvio-glacial deposits from the following:
- ☒ (A) Outwash plain
 - (B) Flood plain
 - (C) Penne plain
 - ☒ (D) Pan plain
- ✓ 51. Which of the following earthquake waves are most destructive?
- ☒ (A) S-waves
 - (B) P-waves
 - (C) R-waves
 - (D) L-waves
- ✓ 52. Migration from developed to less developed region is called as
- (A) Emigration
 - (B) Immigration
 - ☒ (C) Perverse migration
 - ☒ (D) Reverse migration
- ✓ 53. Insolation reaches the earth surface in the form of
- ☒ (A) Short waves
 - (B) Long waves
 - (C) Microwaves
 - (D) Lorenz curve
54. The range of visible wave length on electromagnetic spectrum is
- ☒ (A) 0.4 to 0.7 micrometres
 - (B) 0.7 to 15.0 micrometres
 - (C) 0.3 to 0.9 micrometres
 - (D) 0.3 to 15.0 micrometres
55. A counter clock-wise atmospheric circulation in the northern hemisphere is known as
- (A) Pressure gradient
 - ☒ (B) Cyclone
 - (C) Anti-cyclone
 - (D) Tornado
- ✓ 56. Cold dry wind experienced particularly in winter along the eastern coast of Atlantic Ocean and in Northern Italy is called
- (A) Cyclone
 - (B) Boras
 - (C) Tornado
 - (D) Hurricane
- ✓ 57. Winter rainfall in North-Western part of India is mainly due to
- ☒ (A) Western disturbance
 - (B) North-East Monsoon
 - (C) North-West Monsoon
 - (D) Depression in the Bay of Bengal
- ✓ 58. The atmosphere gets heated by which one of the following?
- ☒ (A) Direct rays of the sun
 - ☒ (B) Volcanic activity
 - ☒ (C) Burning of organic material
 - ☒ (D) Radiation from the earth

59. Which one of the following regions does not receive much rainfall during the South-West monsoon season?
 (A) Tamil Nadu Coast
 (B) Maharashtra
 (C) Chota Nagpur Plateau
 (D) Eastern Himalayas
60. Which among the following has postulated the Subsidence Theory related to coral reef?
 (A) Dally (B) Agassiz
 (C) Darwin (D) Davis
61. If a tide occurs at a place at 6 p.m. when will the next tide occurs?
 (A) 00.13 a.m. of the next day
 (B) 06.26 a.m. of the next day
 (C) 12.39 p.m. of the next day
 (D) 06.52 p.m. of the next day
62. Which one of the following indicates the principle of transport in Central Place Theory?
 (A) K3 (B) K4
 (C) K7 (D) K9
63. Which one of the following ports has been developed on a lagoon?
 (A) Chennai
 (B) Mumbai
 (C) Kochi
 (D) Visakhapatnam
64. Which one of the following is not an assumption or principle of the concentric zone model of urban land use?
 (A) Cultural and social heterogeneity of the population
 (B) Transport is equally easy, rapid and cheap in every direction within the city.
 (C) None of the districts is attractive due to differences in terrain.
 (D) There is a concentration of heavy industry.
65. Truck farming is associated with
 (A) Vegetables
 (B) Milk
 (C) Cereals
 (D) Poultry
66. The essential feature of shifting cultivation is
 (A) Rotation of crops
 (B) Rotation of fields
 (C) Single cropping
 (D) Use of plenty of fertilizers
67. What is the frequent practice involved in shifting cultivation?
 (A) Use of sophisticated machinery
 (B) Large scale use of fertilizers
 (C) Utilization of poor soils through ploughing / fallowing
 (D) Maximum use of animal power
68. Who has, amongst the following geographers, defined Geography of Public Finance 'who gets what, where, and at what cost'?
 (A) R.J. Chorley
 (B) David Harvey
 (C) P. Claval
 (D) R.J. Bennett

69. Which of the following is not a supervised image classification technique?

- (A) Parallelopiped classifier
- (B) Minimum distance to mean classifier
- ✓ (C) Neural network analysis
- (D) Gaussian maximum likelihood classifier

70. A meteor is

- (A) Comet without a tail
- (B) Detached piece of an asteroid
- ✓ (C) Tiny star
- ✓ (D) Piece of matter which has entered the earth's atmosphere from outer space

71. Which one of the following tribes does not correctly matched?

- (A) Batwa and Congo Basin
- ✓ (B) Ruwala and Central Iran
- ✓ (C) Inuit and Canada
- ✓ (D) Yuklagir and Siberia

✓ 72. Which one of the following regions witnessed the growth of mighty civilizations of Roman and Greek?

- (A) Temperate region
- (B) Savanna region
- ✓ (C) Mediterranean region
- (D) Tundra region

✓ 73. Which of the following is not considered a geographic pattern?

- (A) Centralized
- ✓ (B) Distributive
- (C) Linear
- (D) Random

74. Machu Picchu of Inca civilization is in

- (A) Argentina
- (B) Brazil
- (C) Columbia
- ✓ (D) Peru

✓ 75. Several planned cities have been developed in India after Independence. Which one of the following is not a post-independence planned city?

- ✓ (A) Gandhinagar
- ✓ (B) Chandigarh
- ✓ (C) Jaipur
- (D) Bhubaneswar

✓ 76. The landscapes produced by a single dominant geomorphic process are called

- A. Simple Landscapes
- B. Compound Landscapes
- ✓ C. Monocyclic Landscapes
- D. Multicyclic Landscapes

✓ 77. Flat topped sand ridges with long dimensions extending parallel to prevailing winds but locking the collapsing fronts are known as

- ✓ A. Whalebacks
- B. Seifs
- ✓ C. Barchans
- D. Sand drifts

78. Who among the following observed that summer heating of Tibetan plateau was the most crucial factor for the monsoonal circulation of India
- Fohn
 - Koteswaram
 - Frost
 - Halley
79. According to Koppen's scheme of climatic classification "E" (polar or mountain) type climate is found in
- Nagaland
 - Jammu and Kashmir
 - Sikkim
 - Arunachal Pradesh
80. Which of the following is not a factor affecting wind?
- Pressure gradient
 - Friction
 - Coriolis force
 - Magnetism
81. The main source of carbon monoxide as pollutants are
- Thermal decomposition of fats
 - Dye making
 - Blast furnaces
 - Gasoline motor exhausts
82. Vertical movement of cold waters from deeper oceanic layers to replace warmer surface water are called
- Turbidity
 - Emergence
 - Upwelling
 - Halocline
83. Nomothetic approach in geography emphasizes on
- Inductive study
 - Law making study
 - Empirical study
 - Ideographic study
84. Which of the following pairs does not match correctly?
- Ibn Khaldun – Muqaddimah
 - Al Balakhi – KitabulAshkal
 - Al Masudi – Routes and Realms
 - Al- Biruni – Kitab-al – Hind
85. Lateral Planation Theory of pediment formation was proposed by
- Lawson
 - Davis
 - Gilbert
 - McGee
86. Which one of the following processes is typical to glacial erosion?
- Plucking
 - Hydrolic action
 - Deflation
 - Corrosion

87. Which of the following is a strongly presumptive Faultline scarp?
 A. Superimposed drainage across a fault
 B. Poor correlation between rock resistance and topographic forms
 ✓ C. Frequent severe earthquakes
 D. Actual Fault Plane identified along a scarp
88. V. Bjerknes model is related with
 A. Origin of anticyclones
 ✓ B. Origin of mid latitude cyclones
 C. Origin of tropical cyclones
 D. Origin of monsoon
89. What is the correct sequence of the cloud types in a warm front away from its trailing edge?
 A. Altostratus – Nimbostratus – Cirrus – Cirrostratus
 B. Cirrostratus – Nimbostratus – Altostratus – Cirrus
 C. Cirrus – Nimbostratus – Altostratus – Cirrostratus
 D. Nimbostratus – Alto Stratus – Cirrostratus – cirrus.
90. Westerlies are examples of
 ✓ A. Macro atmospheric motions
 B. Tornados
 C. Microscale atmospheric motions
 D. Gusts
- ✓ 91. If the elevation of the sun declines, the albedo will –
 A. Decline
 ✓ B. Increase
 C. Remain the same
 D. No change
- ✓ 92. Seasonal contrast in pressure between land and sea gives rise to:
 ✓ A. Monsoons
 B. Westerly winds
 ✓ C. Land and Sea breezes
 D. Trade winds
93. 'Montreal Protocol' is related to
 A. Global Warming
 ✓ B. Ozone Depletion
 C. Air Pollution
 D. Water Pollution
94. Consider the following statements:
 ✓ (1) Ozone is found mostly in the stratosphere.
 ✓ (2) Ozone layer lies 55–75 kms above the surface of the earth.
 ✓ (3) Ozone absorbs ultraviolet rays from the Sun.
 ✓ (4) Ozone layer has no significance for life on the earth.
 Which of the above statements are correct?
 ✓ (A) 1 and 3 (B) 2 and 4
 (C) 2 and 3 (D) 1 and 4

95. The statement – "Systematic geography must move into theoretical spheres and Regional Geography into a search for generic and not unique studies" was made by
- A. Richard Hartshorne
 - B. Issiah Bowman
 - C. William Bunge
 - D. Peter Haggett
96. A process of population deconcentration away from large urban settlements to non-metropolitan areas is termed as:
- A. Urban dispersal
 - B. Urban sprawl
 - C. Counter-urbanization
 - D. Sub-urbanization
97. In the acceleration stage of urbanisation, the urban population constitutes:
- A. More than 70% of the total population of the state
 - B. 25% to 70%
 - C. 10% to 25%
 - D. Less than 10%
98. The concept of primate city was advanced by
- (A) Jefferson
 - (B) Zift
 - (C) Mumford
 - (D) Sjoberg
99. Which of the following conditions is characterised by the second stage of Demographic Transition?
- A. Low birth rate, High death rate
 - B. High birth rate, High death rate
 - C. High birth rate, declining death rate
 - D. Low birth rate, Low death rate
100. 'Chain migration' is based on:
- A. Job opportunities
 - B. Kinship
 - C. Proximity to place of earlier Residence
 - D. Combination of (A) and (C)