

CET (PG)-2015

Sr. No. : 234287

Question Booklet Series : A

Important : Please consult your Admit Card / Roll No. Slip before filling your Roll Number on the Test Booklet and Answer Sheet.

Roll No. *In Figures* *In Words*

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O.M.R. Answer Sheet Serial No.

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Signature of the Candidate : _____

Subject : M.A.(Hons.)Geography

Time : 90 minutes

Number of Questions : 75

Maximum Marks : 75

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

INSTRUCTIONS

1. Write your Roll No. on the Question Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
2. Enter the Subject and Series Code of Question Booklet on the OMR Answer Sheet. Darken the corresponding bubbles with **Black Ball Point / Black Gel pen**.
3. Do not make any identification mark on the Answer Sheet or Question Booklet.
4. To open the Question Booklet remove the paper seal gently when asked to do so.
5. Please check that this Question Booklet contains 75 questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of test.
6. Each question has four alternative answers (A, B, C, D) of which only one is correct. For each question darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with **Black Ball Point / Black Gel pen**.
7. If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Sheet. No marks will be deducted in such cases.
8. Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the questions given in the Question Booklet.
9. Negative marking will be adopted for evaluation i.e., 1/4th of the marks of the question will be deducted for each wrong answer. A wrong answer means incorrect answer or wrong filling of bubble.
10. For calculations, use of simple log tables is permitted. Borrowing of log tables and any other material is not allowed.
11. For rough work only the sheets marked "**Rough Work**" at the end of the Question Booklet be used.
12. The Answer Sheet is designed for **computer evaluation**. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. **Any resultant loss to the candidate on the above account, i.e., not following the instructions completely, shall be of the candidate only.**
13. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
14. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so, would be expelled from the examination.
15. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
16. **Telecommunication equipment such as pager, cellular phone, wireless, scanner, etc., is not permitted inside the examination hall. Use of calculator is not allowed.**

SEAL

1. **Geographic grid provides a system for:**
 - (A) Location places on the earth's surface
 - (B) Understanding the flow of path of air and water
 - (C) Understanding the physical effect of the earth's rotation
 - (D) Understanding the daily cycle of incoming solar energy
2. **A map projection having correct compass direction and correct shape but area is distorted poleward is:**
 - (A) Mercator projection
 - (B) Lambert's Equal Area Projection
 - (C) Polar Zenithal Projection
 - (D) Bonne's Projection
3. **Which map projection, among the following, is a map projection, where the source of light is placed at the centre of the globe:**
 - (A) Stereographic
 - (B) Gnomonic
 - (C) Orthographic
 - (D) Polar Zenithal
4. **What measures the position of a given point in terms of its angular distance in the north and south of the equator ?**
 - (A) Latitude
 - (B) Longitude
 - (C) Geographic Grid
 - (D) Meridian
5. **An artificially generated colour image in which blue, green and red colours are assigned to the wavelength regions to which they do not belong in nature is known as:**
 - (A) Electromagnetic Radiation (EMR)
 - (B) Electromagnetic Spectrum (ES)
 - (C) False Colour Composite (FCC)
 - (D) Digital Image Processing
6. **The following region of energy are used in remote sensing:**
 - (A) Visible, infrared and microwave
 - (B) Gamma, X-ray and visible rays
 - (C) Ultraviolet rays, visible rays and infrared rays
 - (D) Microwaves, radio waves and ultraviolet rays
7. **A device that gathers electromagnetic radiations, converts it into a signal and presents it in a form suitable for obtaining information about the objects under investigation is:**
 - (A) Sensor
 - (B) Reflector
 - (C) Radar
 - (D) Electromagnetic Spectrum
8. **The general purpose maps, drawn at relatively large scale showing important natural and cultural features and published by National Mapping Organisation of each country are :**
 - (A) Serial Maps
 - (B) International Maps
 - (C) Topographical Maps
 - (D) Thematic Maps

9. **Topographical maps of India are prepared on which one of the following R.F. ?**
 (A) 1:25,000 (B) 1:75,000
 (C) 1:100,000 (D) 1:150,000
10. **Which methods have been used predominantly for depicting relief of an area on all topographical maps ?**
 (A) Contours & Spot Heights (B) Hachures
 (C) Hill Shading (D) Benchmarks
11. **Which one of the following is essential for the network of the lines and polygons to be called a map ?**
 (A) Map Legend (B) Map Scale
 (C) Map Design (D) Cardinal Points
12. **The R.F. of the statement of scale of 1 inch represents 4 miles is :**
 (A) 1 : 250,000 (B) 1 : 253,440
 (C) 1 : 150,000 (D) 1 : 153,440
13. **The following series of topographical maps in India is used for defence & national security requirement :**
 (A) OSMs (B) DSMs
 (C) UTM (D) WGS-84
14. **The following resembles the actual shape of the earth :**
 (A) Geoid (B) Cadastral Map
 (C) Sphere (D) Spheroid
15. **A map prepared on a scale of 1: 4000 and larger is called :**
 (A) Topographical Map (B) Wall Map
 (C) Cadastral Map (D) Atlas Map
16. **Which one of the following is not an essential element of map ?**
 (A) Map Generalization (B) Map Design
 (C) Map Scale (D) History of Map
17. **The statement of scale of the R.F. of 1: 300,000 :**
 (A) 1 cm : 3 kms (B) 1 cm : 30 kms
 (C) 1 cm : 0.3 kms (D) 1 cm : 300,000 mts
18. **If the local time at Greenwich is 12:00 noon, what will be the local time at Thimpu (Bhutan) :**
 (A) 6:00 a.m (B) 6:00 p.m
 (C) 12 midnight (D) 12 noon
19. **The specialized agency coordinating the meteorological observation globally is known as:**
 (A) World Meteorological Organisation (B) United Nations
 (C) The Indian Meteorological Department (D) World Meteorological Department

20. The conversion of 75° Fahrenheit in Celsius:
- (A) 25° Celsius (B) 75° Celsius
(C) 30° Celsius (D) 15° Celsius
21. GIS stands for:
- (A) Geological Information System (B) Geographic Interpretation System
(C) Geographic Information System (D) Geosciences Interpolation Software
22. The number of satellites required for GPS for the Earth Surface Fix (only latitude and longitude) is:
- (A) 1 satellite (B) 3 satellites
(C) 2 satellites (D) Any number
23. Aneroid Barometer gets its name from :
- (A) The Scientist named Aneroid
(B) The Greek word meaning without liquid
(C) The Latin word meaning pressure
(D) A device used to measure altitude
24. Which one of the following longitudinal extent is relevant to India ?
- (A) $68^{\circ} 7'53''$ N to $97^{\circ} 24' 47''$ W
(B) $68^{\circ} 7'53''$ N to $97^{\circ} 24' 47''$ E
(C) $68^{\circ} 7'53''$ E to $97^{\circ} 24' 47''$ E
(D) $60^{\circ} 7'53''$ E to $97^{\circ} 24' 47''$ E
25. Which one of the following is the standard meridian of India ?
- (A) $80^{\circ} 30'$ N (B) $82^{\circ} 30'$ E
(C) $80^{\circ} 30'$ W (D) $80^{\circ} 30'$ E
26. Which statement is correct in the context of Tarim Basin ?
- (A) The intricate maze of Indo-Burmese Hills on the east of India
(B) The salty marshes in the western part of India
(C) The region where the ancient civilization of Kashgar and Khotan flourished
(D) The root of the world
27. The least Literate states of India as per the 2011 census area are:
- (A) Bihar, Arunachal Pradesh and Rajasthan
(B) Bihar, Uttar Pradesh and Rajasthan
(C) Bihar, Uttar Pradesh and Himachal Pradesh
(D) Bihar, Uttar Pradesh and Haryana

28. **Mongoloid racial stock is mainly concentrated in :**
- (A) Ladakh, Sikkim, Arunachal Pradesh and NE parts of India
 - (B) Andaman and Nicobar Islands
 - (C) North Eastern parts of India
 - (D) Madhya Pradesh and Rajasthan
29. **Western Ghats are locally known by different names such as:**
- (A) Sahyadri, Nilgiri Hills & Aravali Hills
 - (B) Sahyadri, Nilgiri and Molassis Basin
 - (C) Sahyadri, Nilgiri & Rajmahal Hills
 - (D) Sahyadri, Nilgiri Hills, Anaimalai Hills and Cardamom Hills
30. **For which mineral is Dandakarnya region known ?**
- (A) Iron ore
 - (B) Coal
 - (C) Mica
 - (D) Gold
31. **Which is the biggest multipurpose project of India in terms of the total command area ?**
- (A) Krishnaraja Sagar
 - (B) Nathpa Jhakri
 - (C) Bhakra Nangal
 - (D) Hirakud
32. **Which one of the following rocks have gold deposits in India ?**
- (A) Gondwana
 - (B) Dharwar
 - (C) Ranigarh
 - (D) Chapra
33. **Singhbhum and Keonjhar are the leading producing centres of :**
- (A) Zinc
 - (B) Iron Ore
 - (C) Coal
 - (D) Manganese
34. **Which is the largest oil company of India ?**
- (A) Indian Oil
 - (B) Hindustan Petroleum
 - (C) Bharat Petroleum
 - (D) Assam Oil Company
35. **Which are the five rivers of Punjab ?**
- (A) Satluj, Beas, Yumuna, Luni and Chambal
 - (B) Satluj, Beas, Chenab, Saraswati and Ghaggar
 - (C) Satluj, Beas, Indus, Ravi and Sindhu
 - (D) Satluj, Beas, Ravi, Chenab and Jhelum
36. **As per 2011 Census of India the growth of population of Punjab during 2001-11 is:**
- (A) 23.89 per cent
 - (B) 13.89 per cent
 - (C) 19.76 per cent
 - (D) 3.89 per cent

37. **Most literate districts of Punjab are:**
- (A) Amritsar, Ludhiana and Jalandhar
 (B) Hoshiarpur, SAS Nagar and Jalandhar
 (C) Amritsar, SAS Nagar and Gurdaspur
 (D) Jalandhar, Rupnagar and Patiala
38. **Who coined the term geography ?**
- (A) Hartshorne (B) Aristotle
 (C) Eratosthenes (D) Hettner
39. **Which one of the following is NOT true about the earth ?**
- (A) The planet earth initially was a barren, rocky and hot object with a thin atmosphere of hydrogen & helium
 (B) The earth has a layered structure. From the outermost end of the atmosphere to the centre of the earth, the material that exists is not uniform
 (C) From the outermost end of the atmosphere to the centre of the earth, the material that extends is uniform
 (D) Moon is the only natural satellite of the earth
40. **What is the approximate age of the earth ?**
- (A) 13.7 billion years (B) 4.6 trillion years
 (C) 4.6 billion years (D) 4.6 million years
41. **Which one of the following is NOT true of Big Bang Theory ?**
- (A) Big Bang Theory is about the origin of the earth
 (B) It is called Expanding Universe Hypothesis
 (C) It was based on the evidences provided by Edwin Hubble, in 1920
 (D) It was revised by Mathematician Laplace
42. **Which one of the following is NOT correct about Earthquakes ?**
- (A) The earthquake events are scaled either according to the magnitude or intensity of the shock
 (B) The magnitude scale is known as the Richter scale
 (C) The magnitude is expressed in absolute numbers, 0-1
 (D) Intensity scale is named after Mercalli & it ranges between 1 & 12
43. **The most explosive of the earth's volcanoes are :**
- (A) Composite Volcanoes (B) Shield Volcanoes
 (C) Mid-Ocean Ridge Volcanoes (D) Caldera Volcanoes
44. **Which of the following describes the lithosphere ?**
- (A) Crust and Core (B) Mantle and Core
 (C) Crust and Upper Mantle (D) Upper and Lower Mantle

45. Abyssal Plains are :

- (A) Sedimentary rocks formed out of deposits of glaciers
- (B) Extensive Plains that lie between the Continental Margins & Mid-Oceanic ridges
- (C) Which form an interconnected chain of mountains within the ocean
- (D) Rich placer deposits of gold in the Ghana coast

46. Which one of the following is the hardest mineral ?

- (A) Quartz
- (B) Diamond
- (C) Topaz
- (D) Gold

47. Which one of the following is not a sedimentary rock ?

- (A) Marble
- (B) Tillite
- (C) Borax
- (D) Breccia

48. Debris Avalanche can be included in the category of :

- (A) Subsidence
- (B) Landslides
- (C) Rapid flow mass movements
- (D) Slow flow mass movements

49. Deep, long and wide troughs or basins with very steep concave to vertically dropping high walls at its head as well as in sides is known as :

- (A) Horns
- (B) Lateral Moraine
- (C) Esker
- (D) Cirque

50. Which one of the following gasses is transparent to incoming solar radiation and opaque to outgoing terrestrial radiation ?

- (A) Nitrogen
- (B) Oxygen
- (C) Carbon Dioxide
- (D) Argon

51. The sun is directly overhead at noon on 21st December at:

- (A) $23\frac{1}{2}^{\circ}$ S
- (B) $23\frac{1}{2}^{\circ}$ N
- (C) 0° (equator)
- (D) $66\frac{1}{2}^{\circ}$ S

52. The earth's atmosphere is mainly heated by :

- (A) Convection
- (B) Short wave solar Radiation
- (C) Long wave Terrestrial Radiation
- (D) Conduction

53. El Nino is:

- (A) Appearance of warm water off the coast of Peru
- (B) Large scale winds of the atmosphere initiating large and slow moving currents of the oceans
- (C) Wind circulation around a low
- (D) Appearance of cold water off the coast of Peru

54. **Tropical cyclones are :**
- (A) Violent storms that originate over oceans in tropical areas and move over the coastal areas bringing about large scale destruction
 - (B) Severe local storms of short duration occurring over a small area and caused by intense convection on moist-hot day
 - (C) The cyclonic system developing in the mid and high latitudes
 - (D) When isobars are straight and when there is no friction, the pressure gradient force is balanced by the Coriolis force and the resultant wind blows parallel to the isobars
55. **Which one of the following is not a part of the hydrological cycle ?**
- (A) Condensation
 - (B) Evapo-transpiration
 - (C) Hydration
 - (D) Soil moisture utilization
56. **Salinity is calculated as the amount of salt (in gm) dissolved in :**
- (A) 1000 gms of sea water
 - (B) 100 gms of sea water
 - (C) 10 gms of sea water
 - (D) 1 gm of sea water
57. **Upward and downward movement of water is known as the:**
- (A) Wave
 - (B) Tide
 - (C) Current
 - (D) Wavelength
58. **Which countries are included in Northern Europe ?**
- (A) Denmark, Iceland, Norway, Sweden and Finland
 - (B) Denmark, Iceland, Spain and Portugal
 - (C) Denmark, Iceland, Norway and Hungary
 - (D) Denmark, Iceland, Norway and Italy
59. **Which one of the following region is the smallest region in term of area ?**
- (A) Europe
 - (B) Russia and Commonwealth of Independent states
 - (C) Australia
 - (D) South East Asia
60. **Name the prevailing winds in the temperate western margins :**
- (A) Trades
 - (B) Westerlies
 - (C) Easterlies
 - (D) Monsoon
61. **The Appalachians are :**
- (A) Old block mountains
 - (B) Old fold mountains
 - (C) Young fold mountains
 - (D) Volcanic mountains
62. **Which one is NOT one of the Great Lakes of North America ?**
- (A) Great Slave Lake
 - (B) Lake Superior
 - (C) Lake Erie
 - (D) Lake Ontario

63. Which one of the following is NOT correct about Russia ?
- (A) Alcoholism is a major killer in Russia
 (B) Oil is important in the development of Russia's peripheral region
 (C) Volga is an important river of Russia
 (D) Human trafficking is not a serious problem
64. Which one of the following countries is called "the gift of the Nile" ?
- (A) Arab Republic of Egypt (B) Sudan
 (C) Iraq (D) Israel
65. Which one of the following forms the largest ethnic group in the Middle East & North Africa ?
- (A) Arabs (B) Turks
 (C) Persians (D) Kurds
66. The major rivers of South Asia are :
- (A) Irrawaddy, Mekong and Rhine
 (B) Indus, Ganges and Brahmaputra
 (C) Amazon, Huang Ho and Paraguay
 (D) Nile, Euphrates and Tigris
67. The U.S. and Canada make up a region often known as :
- (A) Australia (B) Latin America
 (C) Anglo America (D) Native America
68. Which types of the forest are found in Amazon region ?
- (A) Boreal Forest (B) Tidal Forest
 (C) Rainforest (D) Deciduous Forest
69. Who gave the statement "resources are not, they become" ?
- (A) A.G. Tanslay (B) E. Zimmerman
 (C) E.A. Ackerman (D) Strabo
70. What is IUCN Red list ?
- (A) It contains list of only threatened species of the world
 (B) It contains list of only threatened plants of the world
 (C) It contains list of only threatened animals of the world
 (D) It contains list of all species of the world
71. Who introduced the concept of 'Stop & Go Determinism' ?
- (A) Ratzel (B) G. Taylor
 (C) Ritter (D) Semple

72. Which one of the following is not a characteristic of podzol soil ?
- (A) Found in regions of less rainfall
 - (B) Has well developed soil profile
 - (C) Rich in humus
 - (D) Found in cool humid climate
73. Which one of the following is NOT correct about Kyoto Protocol ?
- (A) U.S. President George Bush rejected Kyoto Protocol
 - (B) It was a world conference on climate change
 - (C) It was a landmark international treaty on climate change
 - (D) It was signed in 2007
74. Which one of the following is NOT a tiger reserve ?
- (A) Corbett National Park
 - (B) Dudhwa National Park
 - (C) Gir National Park
 - (D) Kaziranga National Park
75. Which day is celebrated as 'Earth Day' ?
- (A) July 5
 - (B) March 22
 - (C) April 22
 - (D) June 5