

Question Booklet No.

Question Booklet Series :

A

AUAT — 2024
2-Year M. A./M. Sc. in Geography (P06)
(TEST BASED ON MCQ)

Full Marks : 100

Duration : 2 Hours

Roll No. of the Candidate : _____

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Candidates should read the below instructions carefully and follow them accordingly.

1. The Question Booklet has paper seal pasted on it. Please do **NOT** open the Question Booklet until you are asked to do so by the Invigilator.
2. The candidates must check immediately after breaking the seal that the Question Booklet contains **100 Multiple Choice Questions** in two parts (Part—I and Part—II).
3. Answer of questions of Part—I and Part—II both will have to be given on the **OMR Answer Sheet** provided for this purpose. Fill up the necessary fields that are intended for you by writing and/or shading appropriately. Otherwise the **OMR Answer Sheet cannot** be evaluated and will liable to be rejected. Question numbers progress from **1** to **100** continuously with alternative answers being shown as [A], [B], [C] and [D] for each question. Record your response by completely darkening the corresponding bubble. While responding, you should consider the best alternative answer and shade only one bubble with **black/blue ball point pen only**. For each correct response you will be awarded **1** mark. There will be negative marking for wrong responses. For each wrong response, **-0.25** mark will be awarded. Multiple responses against one **MCQ** will be treated as a wrong response.
4. On leaving the examination hall, candidates must submit the **OMR Answer Sheet**. They are allowed to keep the Question Booklet with them.
5. **OMR Answer Sheet** will be processed by electronic means. Any untoward/irrelevant remarks, folding or putting stray notes on the answer sheet, any damage to the answer sheet will lead to the rejection of the same and the sole liability shall remain with the candidate.
6. Rough Work may be done at the end of the Question Booklet.
7. No candidate will be allowed to leave the examination hall before completion of the examination.
8. Use of any Electronic device like Mobile, Programmable Calculator etc. is strictly prohibited.

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PART—I
(Core Subject)

1. The rock having broad upper part and narrow base resembling an umbrella is called
[A] Inselberg
[B] Yardang
[C] Mushroom
[D] Demoiselles
2. What generally happens to air temperature as we move from the Equator to the Poles?
[A] Increases
[B] Decreases
[C] Remain constant
[D] None of the above
3. Which of the following **does not** match?
[A] Karst cycle of erosion postulated by Cvijić
[B] Periglacial cycle of erosion postulated by L. C. Peltier
[C] Arid cycle of erosion postulated by W. M. Davis
[D] Glacial cycle of erosion postulated by Crickmay
4. Western cyclone disturbances enter the Indian sub-continent from the West and the North-West. They originate over the Mediterranean sea and are brought into Indian by the
[A] Westerly jet stream
[B] Polar jet stream
[C] Easterly jet stream
[D] None of the above
5. Vindhya, Nilgiris and Western Ghats form which kind of forests?
[A] Swamp forest
[B] Mountain forest
[C] Moist deciduous forest
[D] Peninsular mountain forest
6. Which landform is produced by wind erosion?
[A] Cirque
[B] Zeugen
[C] Stack
[D] None of the above
7. What is the total length of the India's coastline?
[A] 6500·3 km
[B] 7516·6 km
[C] 2000·2 km
[D] 7500·4 km
8. The part of coastal plain along the Bay of Bengal is
[A] Konkan coast
[B] Coromandel coast
[C] Kannad coast
[D] None of the above
9. Who propounded morphological system?
[A] Davis
[B] Penck
[C] King
[D] Crickmay

- 10.** What is meant by the density of population?
- [A] The number of people per sq. km
 - [B] The number of people per household
 - [C] The number of people migrating to the country
 - [D] None of the above
- 11.** The year called as 'Demographic Divide' in India was
- [A] 1931
 - [B] 1921
 - [C] 1961
 - [D] 1971
- 12.** What is Rejuvenation?
- [A] The process by which the erosion capacity of a river is renewed
 - [B] Multicyclic landscape of the fluvial process
 - [C] The process by which the erosion capacity of a river is interrupted
 - [D] None of the above
- 13.** What is agricultural productivity?
- [A] The total volume of crop production in a year
 - [B] The yields crop per 100 sq. km
 - [C] The yields crop per unit area
 - [D] None of the above
- 14.** The _____ is responsible for Earth's magnetic field.
- [A] Mantel
 - [B] Crust
 - [C] Outer core
 - [D] Inner core

- 15.** Who propounded the 'Continental Drift Theory'?
- [A] Antonio Slider
 - [B] F. D. Taylor
 - [C] Alfred Wegener
 - [D] Gregory
- 16.** All weather phenomenon such as formation of clouds, rain, fog, winds and storm takes place in which of the following atmosphere layers?
- [A] Mesosphere
 - [B] Thermosphere
 - [C] Stratosphere
 - [D] Troposphere
- 17.** The ozone hole is
- [A] a huge hole in atmosphere, where there is no trace of ozone gas
 - [B] lowering of concentration of ozone in the atmosphere
 - [C] ozone depleting substance
 - [D] increasing concentration of ozone gas in the atmosphere
- 18.** The name 'Panthalassa' was given to
- [A] ocean
 - [B] land
 - [C] rigid masses
 - [D] atmosphere
- 19.** Richter scale was discovered by
- [A] Charles F. Richter
 - [B] Strahler
 - [C] Steers
 - [D] Joseph Addison

20. Who is called as the father of Plate Tectonics?

- [A] L. Pichon
- [B] W. J. Morgan
- [C] J. T. Wilson
- [D] Alfred Wegener

21. Negative lapse rate is

- [A] increasing temperature with altitude in troposphere
- [B] decreasing water vapour with altitude in troposphere
- [C] increasing CO₂ in the atmosphere
- [D] declining oxygen in water bodies

22. Heat budget of Earth is

- [A] balance between longwave solar insolation and short wave terrestrial radiation
- [B] balance between temperatures of ocean and continents
- [C] balance between short wave solar insolation and longwave terrestrial radiation
- [D] None of the above

23. Köppen climatic classification is based on

- [A] weather condition
- [B] patterns of seasonal precipitation and temperature
- [C] vegetation zones
- [D] None of the above

24. Doldrums is a/an

- [A] tropical wind belt
- [B] tropical wind deflection belt
- [C] sub-tropical wind belt
- [D] equatorial no-wind belt

25. The equatorial westerlies blow from

- [A] East to West
- [B] North-East to South-West
- [C] West to East
- [D] South-East to North-West

26. Horse latitude extends between

- [A] 40°–45°
- [B] 35°–40°
- [C] 25°–30°
- [D] 30°–35°

27. Orographic rainfall is formed due to

- [A] mountains acting as barriers
- [B] high thermal convective currents
- [C] convergence of fronts
- [D] None of the above

28. Which of the following types of cloud appears at the highest level in the sky?

- [A] Altocumulus
- [B] Cirrus clouds
- [C] Cumulonimbus
- [D] Stratocumulus

29. Which of the following is the name of very violent and serious types of wind, which brings lot of disaster?

- [A] Trade winds
- [B] Hurricane
- [C] Cirrus
- [D] Stratus

30. Precipitation Effectiveness Index was devised by

- [A] A. N. Strahler
- [B] C. W. Thorntwaite
- [C] G. Trewartha
- [D] W. Köppen

31. Which of the following features is formed by tectonic forces?

- [A] Hanging valley
- [B] Blind valley
- [C] Rift valley
- [D] U-shaped valley

32. Greenhouse effective refers to

- [A] ability of atmosphere to retain water vapour
- [B] ability of certain gases to trap atmospheric heat
- [C] ability of aerosols to scatter insolation
- [D] None of the above

33. Coriolis force is caused by

- [A] the rotation of the Moon
- [B] due to volcanic eruption
- [C] the rotation of the Earth
- [D] the rotation of the Sun

34. Submarine ridges are formed by

- [A] exogenetic forces
- [B] endogenetic forces
- [C] Both [A] and [B]
- [D] None of the above

35. The longest trench in the world is

- [A] Mariana
- [B] Peru, Chile
- [C] Java
- [D] Kuril-Kamchatka

36. Which of the following is the most important factor that influences wave formation and movement?

- [A] Depth of water
- [B] Salinity of water
- [C] Wind speed and distance
- [D] Insolation

37. Who was believed to be the first Cartographer of the world?

- [A] Herodotus
- [B] Anaximander
- [C] Hipparchus
- [D] Hecataeus

38. Tides are mainly caused by the

- [A] gravitational pull on oceanic water by the sun and the moon
- [B] strong wind on the surface of the oceans
- [C] development of high pressure areas in certain parts of the oceans
- [D] strong ocean currents dashing against the coast

39. Tsunami is an example of

- [A] shallow-water waves
- [B] deep-water waves
- [C] transitional waves
- [D] None of the above

- 40.** Ecological niche refers to
- [A] interaction between man and environment
 - [B] the functional role of an organism in the ecosystem
 - [C] interdependence of man and plant
 - [D] None of the above
- 41.** Which one of the following is main chemical composition of coral reefs?
- [A] MgCO_3 (Magnesium Carbonate)
 - [B] KCO_3 (Potassium Carbonate)
 - [C] NaCl (Sodium Chloride)
 - [D] CaCO_3 (Calcium Carbonate)
- 42.** Who was the first geographer to draw the latitude and longitude in the world map?
- [A] Hipparchus
 - [B] Strabo
 - [C] Ptolemy
 - [D] Aristotle
- 43.** Biochemical cycles can be described as
- [A] cycle of food in a food web
 - [B] periodic cycling of waste material in an ecosystem
 - [C] cycle of circulation of nutrients in an ecosystem
 - [D] None of the above
- 44.** Xerophytes are
- [A] plants that grow in areas of high rainfall
 - [B] plants which can withstand high degree of salinity
 - [C] plants which grow in areas of moderate moisture supply
 - [D] plants which can withstand extreme aridity

- 45.** The term Geography was first used by
- [A] Eratosthenes
 - [B] Strabo
 - [C] Ptolemy
 - [D] Aristotle
- 46.** Which of the following is local cold wind?
- [A] Bora
 - [B] Foeline
 - [C] Khamsin
 - [D] Chinook
- 47.** Maximum density of sea water is at temperature
- [A] 2 °C
 - [B] 25 °C
 - [C] 6 °C
 - [D] 4 °C
- 48.** The age and sex composition of the population is best represented by
- [A] choropleth
 - [B] isopleth
 - [C] pie diagram
 - [D] pyramid diagram
- 49.** The Multiple Nuclei Theory of urban structure was propounded by
- [A] Harris and Ullman
 - [B] Homer Hoyt
 - [C] Burgess
 - [D] Christaller
- 50.** Which one of the following indicates the principle of marketing in Central Place Theory?
- [A] $K = 3$
 - [B] $K = 5$
 - [C] $K = 7$
 - [D] $K = 9$

51. Hierarchy of urban places is determined on the basis of
- [A] population size
 - [B] area
 - [C] functions
 - [D] growth rate
52. Social segregation is defined as
- [A] discrimination against a certain social group
 - [B] division of urban population in terms of various criteria
 - [C] settlement of poor and marginalised in slums
 - [D] None of the above
53. Whittlesey identified how many Agricultural System/Regions in the world?
- [A] Eight
 - [B] Ten
 - [C] Thirteen
 - [D] Fifteen
54. Which one of the following industries is a heavy industry?
- [A] Electrical
 - [B] Iron and steel industry
 - [C] Toys making industry
 - [D] Readymade garment industry
55. Jamshedpur, Bokaro, Bhadravati are important centres of
- [A] cotton textile industries
 - [B] iron and steel industry
 - [C] watch making industries
 - [D] All of the above

56. Karl Marx is associated with
- [A] conflict perspective
 - [B] functional perspective
 - [C] cooperation perspective
 - [D] None of the above
57. Which of the following tribes is **not** found in West Bengal?
- [A] Toda
 - [B] Khonds
 - [C] Bonda
 - [D] Bhuiya
58. While 'State' is a political entity, a 'Nation' is a
- [A] Geographical concept
 - [B] Historical concept
 - [C] Cultural concept
 - [D] All of the above
59. Who propounded the 'Rimland Theory'?
- [A] Mackinder
 - [B] Spykman
 - [C] Smith
 - [D] None of them
60. Who wrote the article *Geographical Pivot of History*?
- [A] Spykman
 - [B] Kjellén
 - [C] Mackinder
 - [D] Raiz

61. Who developed the school of 'Geopolitics'?

- [A] Ratzel and Hartshorne
- [B] Kjellén and Haushofer
- [C] Mackinder and Spykman
- [D] Raiz and Smith

62. Gnomon is

- [A] a book written by Anaximander
- [B] a theorem of Geometry
- [C] an instrument to measure the varying position of Sun
- [D] a book of Political Geography

63. Gangani is called the 'Grand Canyon of West Bengal', which type of soil is found in this region?

- [A] Alluvial Soil
- [B] Saline Soil
- [C] Laterite Soil
- [D] Terai Soil

64. Ecumene is

- [A] a place unsuitable for living
- [B] a place suitable for living
- [C] a book on meteorological
- [D] an instrument to measure the position of Sun

65. *Muqaddimah* was written by

- [A] al-Masudi
- [B] Al-Biruni
- [C] Ibn Battuta
- [D] Ibn Khaldun

66. Large scale map is

- [A] cadastral maps
- [B] wall maps
- [C] topographical maps
- [D] All of the above

67. How many components are there in Geographical Information System (GIS)?

- [A] 10
- [B] 5
- [C] 6
- [D] 3

68. Vector and Raster data are used for

- [A] Remote sensing application
- [B] Geographical Information System (GIS) application
- [C] Global Positioning System
- [D] None of the above

69. When was the Green Revolution introduced in India?

- [A] 1975
- [B] 1995
- [C] 1965
- [D] 1985

70. Arithmetic mean of a group of 100 items is 50 and of another group of 150 items is 100. What will be the mean of all items?

- [A] 75
- [B] 100
- [C] 80
- [D] None of the above

PART—II

(Islamic History and Culture, General English & General Knowledge)

71. Revelation to Prophet Muhammad (PBUH) started with the word 'Iqra' which means
নবী মুহাম্মদ (সা.)-এর কাছে অবতীর্ণ প্রত্যাদেশ শুরু হয়েছে 'ইকরা' শব্দ দিয়ে, যার অর্থ হল
[A] pray
[B] prostrate
[C] read
[D] write
72. Which of the following cities is **not** a sacred city for Muslims?
নিম্নের কোন্ শহরটি মুসলিমদের কাছে পুণ্যস্থান নয়?
[A] Jerusalem
[B] Mecca
[C] Cairo
[D] Medina
73. What does Islam say about acquiring knowledge?
জ্ঞান অর্জনের ব্যাপারে ইসলাম কী বলে?
[A] Obligatory for men only
[B] Obligatory for women only
[C] Obligatory for rich people only
[D] Obligatory for all
74. Which one is **not** part of the five pillars of Islam?
নিচের কোনটি ইসলামের পঞ্চস্তম্ভের মধ্যে অন্তর্ভুক্ত নয়?
[A] Profess Allah as the only God
[B] Pray five times daily
[C] Make a pilgrimage to Mecca
[D] Read the *Qur'an* everyday
75. The divine book revealed to Prophet Muhammad (PBUH) is
নবী মুহাম্মদ (সা.)-এর নিকট অবতীর্ণ ঐশী গ্রন্থের নাম হল
[A] Torah
[B] *Qur'an*
[C] Injeel
[D] Zabur
76. Prophet Muhammad (PBUH) was born in
নবী মুহাম্মদ (সা.)-এর জন্মস্থান হল
[A] Jordan
[B] Jeddah
[C] Mecca
[D] Medina
77. In Islam, legal matters are part of
ইসলামে আইন সংক্রান্ত বিষয়াদি কীসের অন্তর্ভুক্ত?
[A] Fikr
[B] Zikr
[C] Shariah
[D] Taharat
78. Hajj is performed in the month of
যে মাসে হজ পালিত হয়, তা হল
[A] Dhul Qadah
[B] Dhul Hijjah
[C] Shaban
[D] Shawwal
79. Rashidun Caliphate lasted for _____ years.
রাশিদুন খিলাফতের সময়কাল _____ বছর।
[A] 20
[B] 30
[C] 40
[D] 50
80. Who accompanied Prophet Muhammad (PBUH) during migration?
কোন ব্যক্তি হিজরতের সময় নবী মুহাম্মদ (সা.) কে সঙ্গ দিয়েছিলেন?
[A] Abu Hurayra
[B] Hazrat Ali
[C] Khadija
[D] Abu Bakr

81. What are the companions of the Prophet called?

নবীর সাহাবীদের কী বলা হয়?

- [A] Sahabah
- [B] Friends
- [C] Ansar
- [D] None of the above

82. What to say when anyone sneeze?

কেউ হাঁচি দিলে কী বলতে হয়?

- [A] Yarhamukallah
- [B] Ya Allah
- [C] Alhamdulillah
- [D] La Ilaha Illallah

83. What does Salat mean?

সালাত মানে কী?

- [A] Fasting
- [B] Giving to the poor
- [C] Praying
- [D] Pilgrimage

84. What is the meaning of 'Astaghfirullah'?

'আস্তাগফিরুল্লাহ'-এর অর্থ কী?

- [A] I ask Allah for Forgiveness
- [B] We are for Allah
- [C] Accept our prayer
- [D] None of the above

85. What is the first duty to become a Muslim?

মুসলমান হওয়ার প্রথম কর্তব্য কী?

- [A] Salat
- [B] Sawm
- [C] Hajj
- [D] Shahadah

86. Which gates are closed during the month of Ramadan?

রমজান মাসে কোন্ দরজাগুলো বন্ধ থাকে?

- [A] Gates of Hell
- [B] Gates of Heaven
- [C] Gates of Light
- [D] Gates of Mosque

87. What is the Shari'ah?

শরীয়ত কী?

- [A] A religious school
- [B] A native dance
- [C] A style of calligraphy
- [D] A form of Muslim law

88. The Kabah is located in

কাবাঘর _____ তে অবস্থিত।

- [A] Mecca
- [B] Medina
- [C] Istanbul
- [D] Iraq

89. Are women allowed to go to mosques to offer prayers?

মহিলাদের কি মসজিদে নামাজ পড়ার অনুমতি দেওয়া হয়?

- [A] No, women are not allowed in the mosques
- [B] Women can only listen to prayers
- [C] Yes, women can offer prayers in mosques, provided there are separate facilities and provision
- [D] Women can pray in the mosques, standing right beside the men

90. In which language, was the *Holy Qur'an* revealed?

'পবিত্র কুরআন' কোন্ ভাষায় অবতীর্ণ হয়েছিল?

- [A] Arabic
- [B] Greek
- [C] Latin
- [D] Hebrew

91. Fill in the blanks with the appropriate words.

The ____ workers will come forward and protest against the ____ of the organization.

- [A] deprived, issues
- [B] depraved, policies
- [C] derived, interests
- [D] depreciated, management

92. Find the word opposite in meaning to the underlined word.

Rahim's foolishness will drive me to despair.

- [A] Hopefulness
- [B] Desperation
- [C] Destruction
- [D] Repulsed

93. Fill in the blanks with the **correct** alternatives.

The farmer placed his shovel ____ the wall and sat ____ to rest.

- [A] beside, over
- [B] against, down
- [C] by, along
- [D] on, in

94. Identify the synonym of the word 'ABJECT'.

- [A] Outrageous
- [B] Fantastic
- [C] Devastated
- [D] Deplorable

95. Fill in the blank with the appropriate collective noun.

A ____ of cards.

- [A] pile
- [B] bundle
- [C] deck
- [D] bunch

96. In which of the following States, Rawatbhata Nuclear Plant is situated?

রাওয়াতভাটা পারমাণবিক কেন্দ্র নিম্নলিখিত কোন্ রাজ্যে অবস্থিত?

- [A] Rajasthan
- [B] Gujarat
- [C] Madhya Pradesh
- [D] Tamil Nadu

97. Who invented the railway engine?

রেলওয়ে ইঞ্জিন কে আবিষ্কার করেন?

- [A] Charles Babbage
- [B] Isaac Newton
- [C] James Watt
- [D] George Stephenson

98. Who is said to be the father of the Indian Space Programme?

ভারতীয় মহাকাশ কর্মসূচির জনক কাকে বলা হয়?

- [A] Abdul Kalam
- [B] Rakesh Sharma
- [C] Vikram Sarabhai
- [D] Homi Bhabha

99. Which of the following was Indian's first mapping satellite?

নিচের কোনটি ভারতের প্রথম ম্যাপিং স্যাটেলাইট ছিল?

- [A] CARTOSAT-1
- [B] Aryabhata
- [C] Bhaskara-II
- [D] INSAT-1A

100. The super computer 'PARAM' was developed by

সুপার কম্পিউটার 'PARAM' তৈরি করেন

- [A] TATA
- [B] IIT-Kharagpur
- [C] IIT-Kanpur
- [D] C-DAC

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