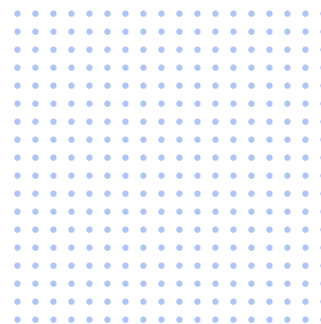




FOR KUET EXAM PREPARATION

KUET 2023 Question Paper · M.Sc. Geography

EXAM
KUET

YEAR
2023

TYPE
Question Paper

SUBJECT
M.Sc. Geography

Sr. No.

ENTRANCE TEST-2023**SCHOOL OF ENVIRONMENTAL AND EARTH SCIENCES****GEOGRAPHY**

Question Booklet Series

A

Total Questions : 60

Time Allowed : 70 Minutes

Roll No. :

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Instructions for Candidates :

1. Write your Entrance Test Roll Number in the space provided at the top of this page of Question Booklet and fill up the necessary information in the spaces provided on the OMR Answer Sheet.
2. OMR Answer Sheet has an Original Copy and a Candidate's Copy glued beneath it at the top. While making entries in the Original Copy, candidate should ensure that the two copies are aligned properly so that the entries made in the Original Copy against each item are exactly copied in the Candidate's Copy.
3. All entries in the OMR Answer Sheet, including answers to questions, are to be recorded in the Original Copy only.
4. Choose the correct / most appropriate response for each question among the options A, B, C and D and darken the circle of the appropriate response completely. The incomplete darkened circle is not correctly read by the OMR Scanner and no complaint to this effect shall be entertained.
5. Use only blue/black ball point pen to darken the circle of correct/most appropriate response. In no case gel/ink pen or pencil should be used.
6. Do not darken more than one circle of options for any question. A question with more than one darkened response shall be considered wrong.
7. There will be '**Negative Marking**' for wrong answers. Each wrong answer will lead to the deduction of 0.25 marks from the total score of the candidate.
8. Only those candidates who would obtain positive score in Entrance Test Examination shall be eligible for admission.
9. Do not make any stray mark on the OMR sheet.
10. Calculators and mobiles shall not be permitted inside the examination hall.
11. Rough work, if any, should be done on the blank sheets provided with the question booklet.
12. OMR Answer Sheet must be handled carefully and it should not be folded or mutilated in which case it will not be evaluated.
13. Ensure that your OMR Answer Sheet has been signed by the Invigilator and the candidate himself/herself.
14. At the end of the examination, hand over the OMR Answer Sheet to the invigilator who will first tear off the original OMR sheet in presence of the Candidate and hand over the Candidate's Copy to the candidate.

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1
❖**[Turn over**

1. Who was considered as the founder of modern Human Geography ?
 (A) F. Ratzel
 (B) Carl Ritter
 (C) E.C. Semple
 (D) A.V. Humboldt
2. Which of the following is the philosophical basis of Quantitative revolution ?
 (A) Probabilism
 (B) Positivism
 (C) Environmentalism
 (D) Idealism
3. Which one of the following is a key concept in humanistic geography ?
 (A) Spatial concentration
 (B) Spatial location
 (C) Development and quality of life
 (D) Geographical development
4. Toynebee has divided the world into how many cultural regions ?
 (A) 2
 (B) 5
 (C) 4
 (D) 3
5. Who proposed the idea of sea floor spreading?
 (A) Harry Hess
 (B) Alfred Wegener
 (C) McKenzie and Parker
 (D) Arthur Holmes
6. Which of the following theories comprehensively explains the dynamism of earth's crust and features of the endogenetic forces ?
 (A) Sea floor spreading
 (B) Plate tectonics
 (C) Geosync line theory
 (D) Convective cell theory
7. The landforms which are created by the epeirogenic forces are called :
 (A) Primary relief
 (B) Secondary relief
 (C) Tertiary relief
 (D) Polycyclic relief
8. Which of the following phenomena is more pronounced in youthful stage of Davis cycle of erosion ?
 (A) Vertical erosion
 (B) Lateral erosion
 (C) Valley widening
 (D) Both vertical & lateral erosion
9. Exfoliation of rocks due to pressure release or unloading is also known as:
 (A) Sheetting
 (B) Mass wasting
 (C) Shattering
 (D) Abrasion
10. How many types of volcanoes are there on the basis of periodicity ?
 (A) 2
 (B) 5
 (C) 3
 (D) 7
11. Which of the following landform is the example of fluvial depositional landform ?
 (A) Delta
 (B) Cataract
 (C) Potholes and plunges
 (D) Waterfall and rapid
12. Karst topography is strongly developed where the water table is :
 (A) Relatively low
 (B) Moderate
 (C) High
 (D) Very high

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2
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13. Consider the following statements:
1. Tropical cyclones have convectional formation whereas temperate cyclones have frontal formations.
 2. Tropical cyclones move from west to east whereas temperate cyclones move from east to west.
 3. Tropical cyclones originate only in deep warm oceans while temperate cyclones can originate over land as well as oceans.
- Which of the above statement(s) is/are incorrect?
- (A) 1 & 2
(B) 1 & 3
(C) 2 & 3
(D) 2 only
14. Consider the following:
1. Chinook: USA
 2. Foehn: Switzerland
 3. Sirocco: Sahara to Mediterranean
 4. Bora: Canada
- Which of the following pair(s) is/are correctly matched ?
- (A) 1 & 4
(B) 1, 2 & 4
(C) 1, 2 & 3
(D) All of the above
15. The phenomenon of “Pineapple Express” which was recently in news is related to:
- (A) Land sinking in Joshimath.
(B) Landslide experienced in California.
(C) Technique of cultivating Pineapple.
(D) Atmospheric phenomenon that resembles a conveyor belt.
16. What happens to relative humidity when air temperature rises ?
- (A) Increases
(B) Decreases
(C) May increase or decrease
(D) Remains the same
17. Which of the following statements is true?
1. West coasts of the continents in tropical and sub-tropical latitude (except close to equator) are bordered by warm currents.
 2. The mixing of warm and cold current results in best fishing grounds of world.
- Select the correct options :
- (A) 1 only
(B) 2 only
(C) Both
(D) None
18. Which of the following ocean currents is found in southern hemisphere?
- (A) Oyashio current
(B) West wind drift
(C) Gulf stream
(D) Canaries current
19. Which of the following factors are affecting the ocean salinity?
1. Evaporation
 2. Freezing of ice
 3. Rivers
 4. Wind flow
- Select the correct answer using the code given below :
- (A) 1,2 and 3 only
(B) 2, 3 and 4 only
(C) 1,3 and 4 only
(D) 1,2,3 and 4
20. Arrange the following seas of Europe continent from North to South :
1. Baltic sea
 2. White sea
 3. Ionian sea
 4. Adriatic sea
- Select the correct answer using the code given below :
- (A) 1-2-3-4
(B) 2-1-3-4
(C) 2-1-4-3
(D) 1-2-4-3

21. The largest ecosystem of the Earth is :
 (A) Biosphere
 (B) Hydrosphere
 (C) Lithosphere
 (D) Biome
22. Greenhouse effect means :
 (A) Cultivation in green houses so as to check pollution.
 (B) Trapping of solar energy due to atmospheric oxygen.
 (C) Trapping of solar energy due to atmospheric carbon dioxide.
 (D) Pollution in houses in tropical regions.
23. Which one of the following is the correct sequence of ecosystem in the order of decreasing productivity?
 (A) Mangroves, grasslands, lakes, oceans
 (B) Mangroves, oceans, grasslands, lakes
 (C) Oceans, lakes, grasslands, mangroves
 (D) Oceans, mangroves, lakes, grasslands
24. Who wrote the book An Essay on the Principle of Population ?
 (A) E. Ravenstein
 (B) Zelinsky
 (C) R.C. Chandna
 (D) Thomas Robert Malthus
25. According to Ackerman's division of world into population-resources regions, India falls under the category of
 (A) United State type
 (B) Egyptian type
 (C) Brazilian type
 (D) European type
26. Which of the following conditions are characterized by 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
27. Which of the following are the 'pull factor' affecting migration?
 1. Better opportunities for work.
 2. Better health facilities.
 3. Poorer health facilities.
 4. Absence of good educational institution.
 Choose the correct option :
 (A) Only 1 and 2
 (B) Only 3 and 4
 (C) Only 1, 2 and 3
 (D) Only 1, 2 and 4
28. Which pass provides access to the Kailash-Mansarovar land route?
 (A) Mana pass
 (B) Rohtas pass
 (C) Nathula pass
 (D) Baralacha la pass
29. Which of the following soils is formed by the weathering of basaltic lava flows?
 (A) Red soil
 (B) Laterite soil
 (C) Acidic soil
 (D) Black soil
30. Which of the following characteristics are associated with dry monsoon forest of India?
 1. Annual rainfall is below 50cm.
 2. The trees are short- rooted.
 3. Thorny shrubs and grasslands.
 4. Mango, Mahua, Sisam and Keekar are the prominent trees.
 (A) 1 & 2
 (B) 2 & 4
 (C) 3 & 4
 (D) 1, 2 & 3

31. Who among the following coined the phrase 'Jet Stream'?
- (A) H. Seilkopf
(B) Wiley Post
(C) Herodotus
(D) Sir Gilbert Walker
32. Which among the following are called Rainforests of the Ocean?
- (A) Phytoplanktons
(B) Zooplanktons
(C) Corals
(D) Algae
33. Which of the following is not a man-made disaster?
- (A) War
(B) Terrorism
(C) Drought
(D) Civil War
34. What is the range of the intensity scale used in measuring earthquakes ?
- (A) 1 to 12
(B) 1 to 14
(C) 1 to 10
(D) 1 to 16
35. Tsunami occurs due to :
- (A) Earthquake generated in a subduction zone
(B) Wave upwelling
(C) Wind impact
(D) Tidal force
36. Coastal Andhra Pradesh and Odisha often face natural disasters due to :
- (A) Landslides
(B) Cyclones
(C) Earthquakes
(D) Flood
37. How many stages are there in Butler's theory of tourism development ?
- (A) 5
(B) 3
(C) 6
(D) 8
38. When was the first tourism policy introduced ?
- (A) 1982
(B) 1981
(C) 1979
(D) 1990
39. Which of the following states was chosen as the initiation site in India for Green Revolution?
- (A) Haryana
(B) Uttar Pradesh
(C) Punjab
(D) West Bengal
40. Given below are some factors influencing the location of certain industries :
1. Skilled labour
 2. Low transportation cost
 3. Clean and dust free environment
 4. Availability of raw material
 5. Government policy
- Which among these have more strongly influenced location of IT industry in India ?
- (A) 1,2 and 3
(B) 2, 3 and 4
(C) 3, 4 and 5
(D) 1,3 and 5
41. Where was the first steel plant set-up in India?
- (A) Bokaro
(B) Jamshedpur
(C) Bhadravati
(D) Rourkela
42. Name the industry, in which India is self-reliant :
- (A) Cotton Textile industry
(B) Sugar industry
(C) Iron and steel industry
(D) Chemical industry

43. The mountain range which lies in the lesser Himalayas and separates Kashmir valley from the outer Himalayas is :
 (A) Zaskar
 (B) Pir Panjal
 (C) Nun Kun
 (D) None of the above
44. Which is the deepest lake of India?
 (A) Dal Lake
 (B) Sanasar Lake
 (C) Wular Lake
 (D) Manasbal Lake
45. Which region has more number of biogas plants?
 (A) Jammu
 (B) Kashmir
 (C) Ladakh
 (D) None of the above
46. Which of the following is the best period for saffron to be grown in Jammu & Kashmir?
 (A) Last week of August to September
 (B) Last week of September to October
 (C) Last week of July to August
 (D) Last week of June to July
47. Which Mughal garden in Kashmir is known as 'garden of bliss'?
 (A) Shalimar garden
 (B) Pari mahal garden
 (C) Chashmashahi garden
 (D) Nishat garden
48. Hospitality dimension of tourism is given much importance for the first time in the history of tourism development in India in which policy?
 (A) Tourism Policy 1982
 (B) National Action Plan of Tourism 1992
 (C) National Tourism Policy 2002
 (D) National Strategy for Tourism Promotion
49. The disconnected lines used for showing slope on maps are known as:
 (A) Contours
 (B) Form lines
 (C) Hachure
 (D) Bench marks
50. Consider the following:
 1. Homolographic projection: True Shape projection
 2. Orthomorphic projection: Equal area projection
 3. Azimuthal projection: True-Bearing/Planar projection
 4. True Scale projection: Equi-distant projection
 Which of the following pair (s) is/are correctly matched:
 (A) 1&2
 (B) 3&4
 (C) 1,2 &4
 (D) 2, 3 &4
51. Lines showing depth of the seabed are called
 (A) Isotherms
 (B) Isohytes
 (C) Isobaths
 (D) Isobars
52. Which projection system is most suitable for navigational purposes ?
 (A) Mercator's projection
 (B) Cylindrical projection
 (C) Bonne's projection
 (D) Conical projection
53. In case of steep slope, the contour lines are:
 (A) Widely spaced
 (B) Closely spaced
 (C) Cross each other
 (D) None of the above

54. The GPS operated by Indians is
 (A) NavIC
 (B) Compass
 (C) Galileo
 (D) GLONASS
55. A passive sensor uses:
 (A) Sun as the source of energy
 (B) Its own source of energy
 (C) Flashlight as a source of energy
 (D) None of these
56. The number of spectral bands in the Enhanced Thematic Mapper Plus (ETM+) Sensor on remote sensing Satellite LANDSAT-7 is:
 (A) 12
 (B) 10
 (C) 8
 (D) 6
57. In an asymmetrical distribution if the mean is 23 and the mode is 15. What will be the value of median?
 (A) 18.5
 (B) 19
 (C) 21.6
 (D) 20.3
58. Ogive curve is also known as:
 (A) Simple frequency curve
 (B) Cumulative frequency curve
 (C) Both (A) and (B)
 (D) None of the above
59. The term 'regression was introduced by:
 (A) Croxton and Cowden
 (B) R.A. Fischer
 (C) Francis Galton
 (D) Karl Pearson
60. The correlation coefficient describes:
 (A) Only direction
 (B) Only magnitude
 (C) Neither (A) nor (B)
 (D) Both (A) & (B)

ROUGH WORK**SM-29554-A****8**
❖**125**