

**AGA KHAN UNIVERSITY EXAMINATION BOARD**

**HIGHER SECONDARY SCHOOL CERTIFICATE**

**CLASS XI**

**MODEL EXAMINATION PAPER 2023 AND ONWARDS**

**Geography Paper I**

**Time: 1 hour 30 minutes    Marks: 50**

**INSTRUCTIONS**

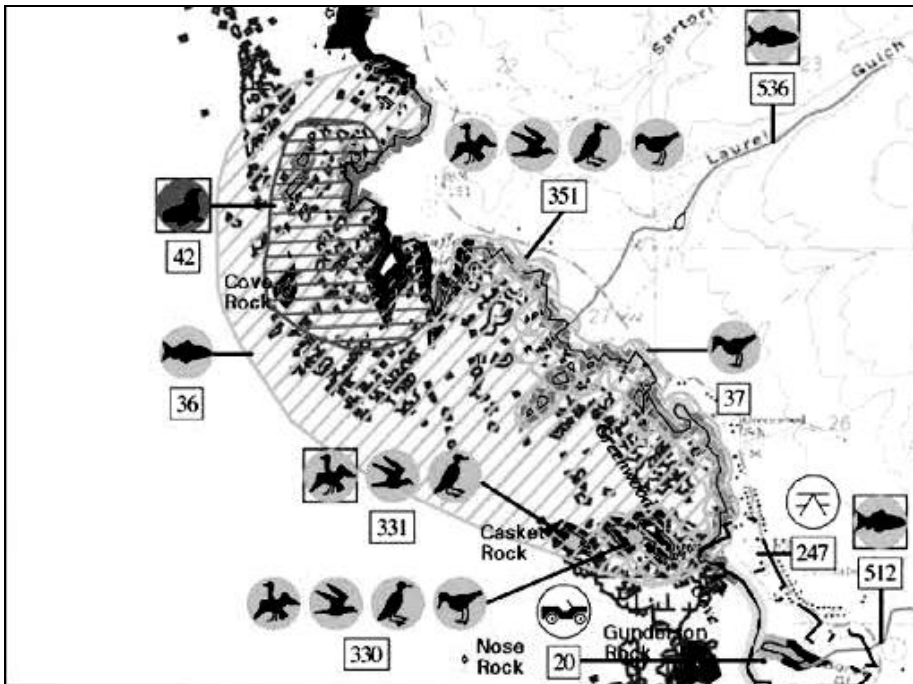
1. Read each question carefully.
2. Answer the questions on the separate answer sheet provided. DO NOT write your answers on the question paper.
3. There are 100 answer numbers on the answer sheet. Use answer numbers 1 to 50 only.
4. In each question there are four choices A, B, C, D. Choose ONE. On the answer grid black out the circle for your choice with a pencil as shown below.

Correct Way		Incorrect Ways	
1	<input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D	1	<input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D
		2	<input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D
		3	<input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D
		4	<input type="radio"/> A <input type="radio"/> B <input checked="" type="radio"/> C <input type="radio"/> D

**Candidate's Signature**

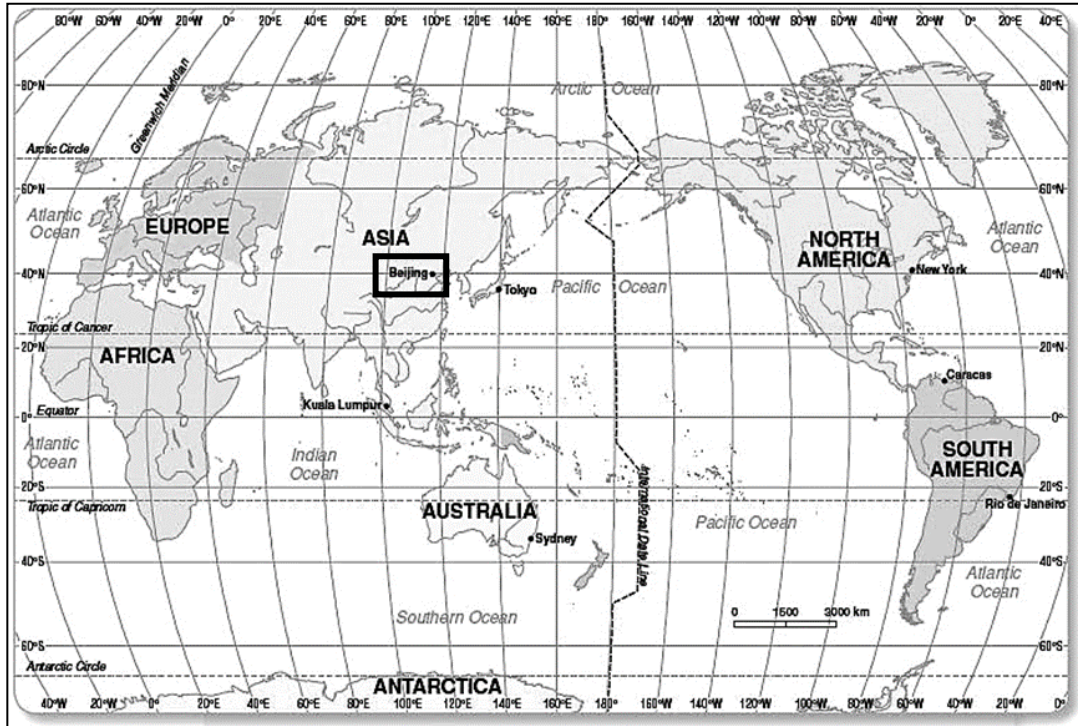
5. If you want to change your answer, ERASE the first answer completely with a rubber, before blacking out a new circle.
6. DO NOT write anything in the answer grid. The computer only records what is in the circles.
7. You may use a scientific calculator if you wish.

1. With reference to soil compositions of the Earth, a map that reflects the mineral reserves is classified as a
  - A. geo-logical map.
  - B. physiographic map.
  - C. environmental map.
  - D. bio-geographic map.
2. Topographic maps are used to show the
  - A. drainage and relief features of an area.
  - B. variation in weather across a certain area.
  - C. variation in income across a geographic area.
  - D. geographic boundaries of the lithospheric plates.
3. The given map is categorised as a/ an

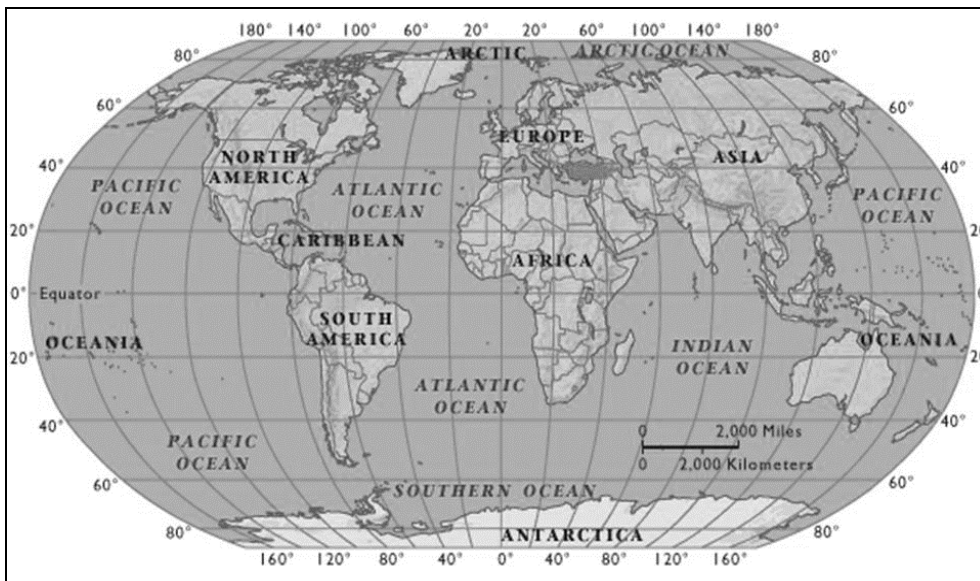


- A. political map.
- B. topographic map.
- C. physiographic map.
- D. environmental map.

4. According to the given map, the city of Beijing lies on the latitude and longitude of



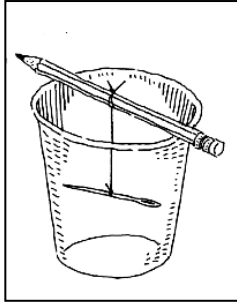
- A. 5°S and 130°E.  
 B. 30°S and 150°E.  
 C. 40°N and 116°E.  
 D. 30°N and 140°E.
5. According to the given map, the continent which is situated at the latitude and longitude range of 10°N to 75°N and 60°E to 180°E respectively is



- A. Asia.  
 B. Africa.  
 C. Europe.  
 D. Australia.

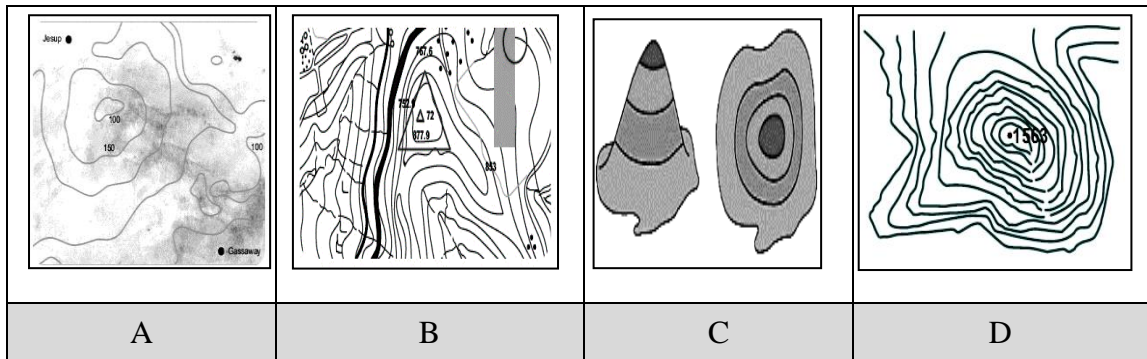
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6. The given image shows a compass which is made using the



- A. sundial method.  
B. floating method.  
C. hanging method.  
D. magnet and pins method.
7. Country A is located at  $175^{\circ}\text{E}$  and Country B is situated at  $150^{\circ}\text{E}$ .  
The time difference between these two countries would be  
A. 25 minutes.  
B. 29 minutes.  
C. 40 minutes.  
D. 100 minutes.
8. Greenwich is located at  $0^{\circ}$  and Country X is situated at  $105^{\circ}\text{W}$ .  
If the time in Greenwich is 12 noon, then the time in Country X would be  
A. 5 am.  
B. 12 noon.  
C. 7 pm.  
D. 12 midnight.
9. An architect, while preparing a building plan, kept the width of the front door as 1.86 cm at the drawing scale of 1:50.  
The actual width of the door will be  
A. 0.0372 cm.  
B. 1.86 cm.  
C. 51.86 cm.  
D. 93 cm.
10. The distance between point A and point B is 45 miles; whereas on the map, the distance between the two points is 3 cm. What is the scale of the map?  
A. 1 cm : 15 miles  
B. 1 cm : 45 miles  
C. 45 cm : 3 miles  
D. 135 cm : 1 mile

11. The image that depicts the hill shading method of representing relief is



12. Look at the given image.



The part of the Earth labelled as 'X' is the

- A. inner core.
  - B. outer core.
  - C. mantle.
  - D. crust.
13. Fold mountains are formed when two tectonic plates force sedimentary rocks to
- A. collide with each other.
  - B. stay away from each other.
  - C. move upwards into a series of folds.
  - D. push downwards into a series of folds.



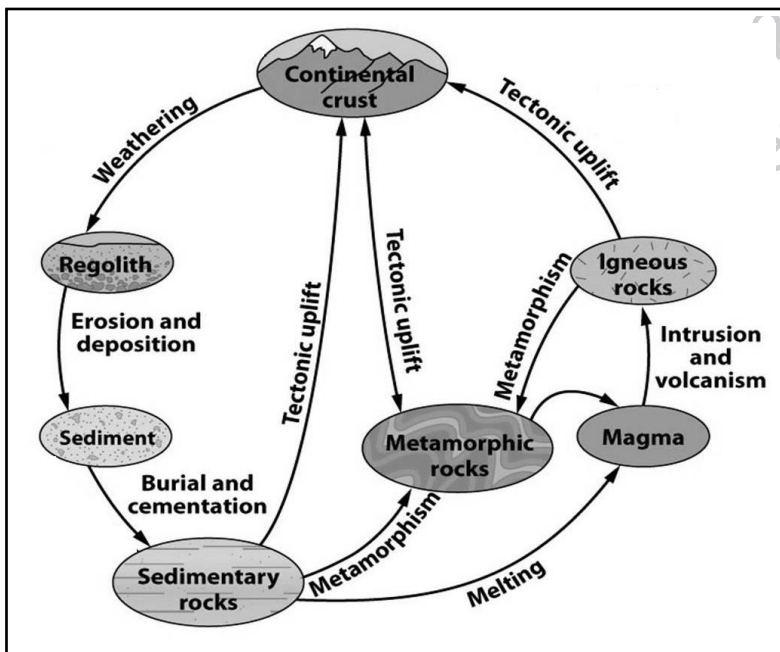
14. Read the following features of a type of rock.

- Often contains fossils
- Has a variety of colours
- Is layered, flat or curved
- Usually composed of pieces cemented or pressed together

Which of the following types of rocks possesses the given characteristics?

- A. Igneous rocks
- B. Phonolite rocks
- C. Sedimentary rocks
- D. Metamorphic rocks

15. Look at the given image.



The given image depicts the process of

- A. rock cycle.
- B. energy cycle.
- C. ecological cycle.
- D. hydrologic cycle.

16. Read the following characteristics.

- Have attractive patterns and colours
- Is hard and durable
- Can be polished to a high quality finish
- Used as slabs and tiles for architectural elements

The rock with the given features is identified as

- A. slate.
- B. granite.
- C. pumice.
- D. sandstone.

17. The ideal climate for chemical weathering is

- A. hot and dry.
- B. cold and dry.
- C. hot and humid.
- D. cold and humid.

18. The exfoliation of rocks occurs in the area where climate is

- A. tropical.
- B. equatorial.
- C. temperate.
- D. Mediterranean.

19. Read the following characteristics.

- Fence posts shifting out of alignment
- Telephone poles tipping downslope
- Grass covered slope seems to move downhill, forming little bulges in the soil

The given characteristics are the possible effects of mass movement of the Earth's material, known as

- A. rock-falls.
- B. soil creep.
- C. mudflows.
- D. landslides.

20. Which of the following statements is TRUE about the parent rock?

- A. It helps to improve water infiltration in the soil.
- B. It shows a strong geographical correlation at the global scale.
- C. Its orientation affects the microclimate which in turn affects vegetation.
- D. It helps in determining soil properties during the early stages of development.

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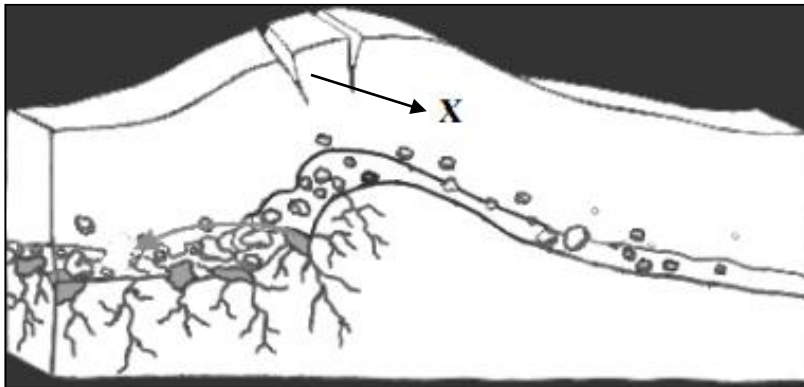
21. The MAJOR natural agents that cause soil erosion are
- A. ice and wind.
  - B. ice and gravity.
  - C. running water and wind.
  - D. running water and gravity.
22. Asia is located in the
- A. northern and eastern hemispheres.
  - B. southern and eastern hemispheres.
  - C. northern and western hemispheres.
  - D. southern and western hemispheres.
23. Asia is considered as an important continent in the world because it
- A. has the longest series of coastlines.
  - B. shares borders with Europe and Australia.
  - C. occupies the three-fifths of the eastern Eurasian landmass.
  - D. produces the most homogenous forms of vegetation on Earth.
24. The fold mountains of Himalyan ranges are located in
- A. Asia.
  - B. Europe.
  - C. Australia.
  - D. South America.
25. The LARGEST river of Asia is the
- A. Yangtze River.
  - B. Yellow River.
  - C. Indus River.
  - D. Kabul River.
26. The Congo River is considered significant in Africa because it
- A. covers parts of three Southern African countries.
  - B. is the largest river of Africa and has many tributaries.
  - C. forms the largest network of navigable water ways in Africa.
  - D. is responsible for Eastern Africa's most-breathtaking scenery.
27. The River Nile has great importance in Africa because it
- A. drains into seven countries and supports millions of people.
  - B. is used to transport the copper production of Katanga to the coast.
  - C. is connected with Lake Victoria for fresh drinking water, food and electricity.
  - D. provides a trade route that connects Africa with markets in Europe and beyond.



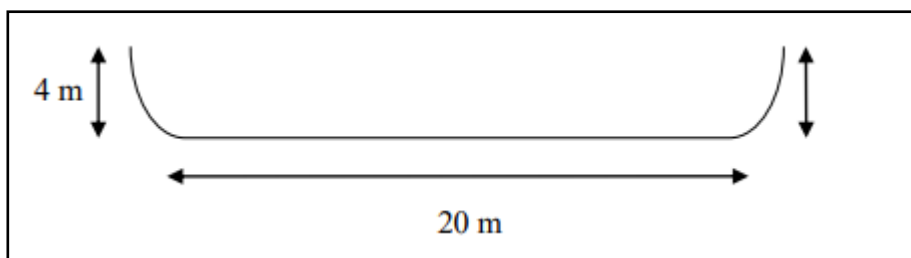
28. In North America, the Canadian Shield or Laurentian Plateau plays a KEY role in the economic activity due to
- farming.
  - hunting.
  - mining.
  - fishing.
29. The mountain range that runs through the length of the South American Continent is the
- Uluru.
  - Andes.
  - Rockies.
  - Himalayas.
30. Read the following statements.
- It stretches some 4,000 miles (6,400 km) across the equatorial South America.
  - The volume of water it carries surpasses that of all the other rivers, constituting one-fifth of the total flowing fresh water of the world.
- The given features describe one of the rivers of South America that is the
- Orinoco.
  - Amazon.
  - São Francisco.
  - Río de la Plata.
31. Read the following statements.
- It is the eighth-largest desert in the world.
  - It was inhabited by dinosaurs for more than 65 million years ago.
  - It has imposing Andes on one side and the Atlantic Ocean on the other.
- The South American desert described in the given features is
- Eastern Patagonian Desert.
  - La Tatacoa Desert.
  - Atacama Desert.
  - Coastal Desert.
32. Read the following physical features related to Australia.
- Made of sandstone
  - The heart of the 'Red Centre'
  - One of the world's largest monoliths
- The given physical features refer to
- Coral reefs.
  - Ayers rock.
  - Western plateau.
  - Eastern highlands.

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33. Which of the following factors determines the volume of a river?
- A. River gradient, climate and the presence of vegetation
  - B. River gradient, channel roughness and the channel shape
  - C. Size of the drainage basin, presence of vegetation and the climate
  - D. Channel shape, channel roughness and the size of the drainage basin
34. If the total length of the river is 100 km and the area of the drainage basin is 10 km<sup>2</sup>, then its drainage density will be
- A. 1 km<sup>3</sup>.
  - B. 10 km/km<sup>2</sup>.
  - C. 100 km/km<sup>2</sup>.
  - D. 1000 km.
35. The process of glacial erosion labelled as 'X' in the given figure is



- A. attrition.
  - B. plucking.
  - C. abrasion.
  - D. corrosion.
36. The wetted perimeter of the given figure is



- A. 16 m.
- B. 20 m.
- C. 24 m.
- D. 28 m.

37. The process of the river that causes the loads in the river to bump into each other and break into smaller components is
- A. attrition.
  - B. abrasion.
  - C. corrosion.
  - D. hydraulic action.
38. The river deposits its load on the adjoining areas because
- A. it interacts with the bank and the bed of the river.
  - B. the volume and velocity of the river decreases.
  - C. it contributes to the fertility of the soil.
  - D. the distance of the river varies.
39. During the deposition process of the river, clay is deposited
- A. in the first instance.
  - B. only near the river channels.
  - C. after the deposition of boulders.
  - D. only when the river overflows its banks.
40. Which of the following landforms is LEAST likely to be found in the upper course of a river?
- A. Rapids
  - B. Potholes
  - C. Waterfalls
  - D. Oxbow lakes
41. Meanders are formed when a river
- A. does not erode its bank.
  - B. erodes both banks at the same time.
  - C. deposits the sediments at the river mouth.
  - D. erodes sideways and deposits the sediments on the opposite banks.
42. The MAJOR food consumed by the people living in the mountainous regions of Pakistan is
- A. meat.
  - B. pulses.
  - C. sea food.
  - D. vegetables.
43. People living in the plain areas receive a lot of heat from the Sun. The influence of the physical environment on their lifestyle would be that they will wear
- A. warm clothes and prefer having cold drinks.
  - B. summer clothes and prefer having hot drinks.
  - C. light coloured dresses and prefer eating light foods.
  - D. bright coloured dresses and prefer eating spicy foods.

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44. Asma lives with her family near the Makran coast in Balochistan.

The activities that can be BEST performed in this area by her family independently are

- A. fishing and manufacturing.
- B. hunting and manufacturing.
- C. fishing and livestock farming.
- D. hunting and livestock farming.

45. Cotton lint → cotton yarn → towels

In the given chain process, the cotton lint is the product of

- A. primary commercial activity.
- B. secondary commercial activity.
- C. tertiary commercial activity.
- D. quaternary commercial activity.

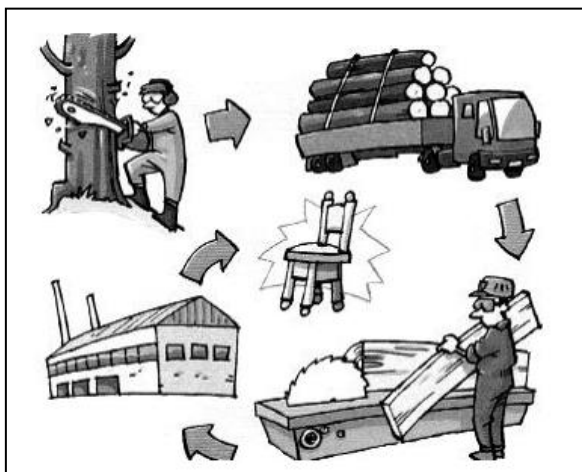
46. Consider the given variety of activities.

- Retail and wholesale sales, transportation and distribution
- Entertainment (movies, television, radio, music, theatre, etc.)
- Restaurants, clerical services, media, tourism, insurance, banking, healthcare and law

All of the given activities can be classified as

- A. primary activities.
- B. secondary activities.
- C. tertiary activities.
- D. quaternary activities.

47. The given picture reflects a process of an economic activity of the



- A. primary sector.
- B. secondary sector.
- C. tertiary sector.
- D. quaternary sector.

48. The production of cotton garments is BEST suited in a physical environment where
- A. land is fertile.
  - B. humidity is high.
  - C. temperature is low.
  - D. precipitation is regular.
49. It is important to save various water bodies in Pakistan because they
- A. can help in producing wind energy.
  - B. prevent soil erosion and desertification.
  - C. regularise the pattern of weather in the country.
  - D. serve as a source of seafood and recreational activities.
50. Greenhouse effect is PRIMARILY responsible for maintaining the
- A. temperature of the Earth.
  - B. onset of seasons on the Earth.
  - C. balance in the rate of precipitation.
  - D. percentage of gases in the atmosphere.

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