# Alchemist

## "Transforming You in an Impressive Way"



**ACF-2025 Prelims Mock Test Series** 

Mock Test No. – ACF-FL-01

#### **Question Paper**

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### **ALCHEMIST ACADEMY**

Test No.: ACF-FL-01 ACF-2025 Mock Test

## **OMR SHEET**

Student's Name (In Block Letters Only)	



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1.	Whi	ch of the following district was formed in 1960 as the 6th district of Himachal Pradesh?
	(A)	Bilaspur
	(B)	Kinnaur
	(C)	Solan
	(D)	Kullu
2.	Chh	atru Hydroelectric Project having installed capacity of 126 MW is located on which River?
	(A)	Pabbar
	(B)	Parbati
	(C)	Sainj
	(D)	Chandra
3.	'God	ontar' ceremony is celebrated on which occasion in the Himachal Pradesh?
	(A)	Birth of Child
	(B)	Death of old person
	(C)	Marriage of daughter
	(D)	First hair cutting of child
4.	Acc	ording to HP Budget 2025-26, the first Automatic Driving Test Track will be established at
	whi	ch place in Himachal?
	(A)	Kandaghat, Solan
	(B)	Nadaun, Hamirpur
	(C)	Haroli, Una
	(D)	Sarkaghat, Mandi
5.	Dag	shai Cantonment located in Solan district was founded in which year?
	(A)	1847
	(B)	1858
	(C)	1872
	(D)	1896
6.	Mał	natma Gandhi gave a speech to the people at which of the following places when he visited

(A) Viceregal Lodge

Shimla in 1921?



	(B)	Shanti Kutir	
	(C)	Id-Gaha Maidan	
	(D)	Old Christ Church	
7.	Who	o is the author of the famous	s book 'Kulut Desh Ki Kahani'?
	(A)	L.C. Prarthi	
	(B)	Nicolas Roerich	
	(C)	O.C. Handa	
	(D)	Dr. B.R. Sharma	
8.	Wha	at is the Urban Sex Ratio of H	Himachal Pradesh according to 2011 Census?
	(A)	853	
	(B)	868	
	(C)	872	
	(D)	912	
9.	Mat	ch the following Rivers of Hi	machal Pradesh with their Vedic Names:
	1.	Beas	a. Sutudri
	2.	Ravi	b. Parushni
	3.	Chenab	c. Vipasha
	4.	Satluj	d. Asikni
Sele	ct the	e correct answer using the co	odes given below:
	(A)	1-c 2-b 3-d 4-a	
	(B)	1-c 2-d 3-a 4-b	
	(C)	1-b 2-a 3-c 4-d	
	(D)	1-b 2-c 3-a 4-d	
10.	Whi	ch app has been launched	by Himachal Government to ensure healthcare services at
	peo	ple's doorsteps?	
	(A)	Sugam Swasthya	
	(B)	Aadarsh Swasthya	
	(C)	Him Swasthya	
	(D)	Sukh Swasthya	



- 11. Which of the following Raja of Chamba attended the Viceregal Darbar in Agra in 1907 AD to meet the Amir of Afghanistan?
  - (A) Sham Singh
  - (B) Lakshman Singh
  - (C) Ram Singh
  - (D) Bhuri Singh
- 12. Which of the following statements is/are correct about Himachal Pradesh Administrative Tribunal?
  - 1. It was initially established on September 1, 1986.
  - 2. The first Chairman was Justice P.C. Balakrishna.

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2
- 13. Which of the following springs is located on the bank of Uno Khad?
  - (A) Jeori
  - (B) Khirganga
  - (C) Sulah
  - (D) Kopra
- 14. Maharaja Sansar Chand Museum is located in which district of Himachal Pradesh?
  - (A) Kangra
  - (B) Chamba
  - (C) Kullu
  - (D) Mandi
- 15. In Himachal history, 'Pandit Seu', 'Manaku' and 'Nainsukh' were famous?
  - (A) Wajirs
  - (B) Freedom Fighters
  - (C) Painters



- (D) Saints
- 16. According to Economic Survey 2024-25, which of the following statements is/are correct about 'Integrated Project for Source Sustainability and Climate-Resilient Rain-fed Agriculture'?
  - 1. This project is funded by World Bank.
  - 2. Duration of the project is 10 years.
  - The project would be implemented in Shiwalik and Mid Hills agro-climatic zones.

- (A) 1 and 2
- (B) 2 and 3
- (C) 1 and 3
- (D) 1, 2 and 3
- 17. After defeat of Gurkha's in Anglo Gurkha war, Koti became a tributary of which state?
  - (A) Keonthal
  - (B) Bhajji
  - (C) Kotkhai
  - (D) Kumharsain
- 18. Which of the following is the state tree of Himachal Pradesh?
  - (A) Cedrus deodara
  - (A) Ficus religiosa
  - (B) Mangifera indica
  - (C) Rhododendron arboretum
- 19. Which of the following statements is/are correct?
  - 1. Cholamba is a dance of young girls and is danced playfully in twos.
  - 2. The Shan and Shabu dances are danced at the Buddhist Gompas in the memory of the Buddha.

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2



1	D	1	N	ei	t	ner	1	nor	2

- 20. Fort erected at Seer Khad called 'Bira' fixed the boundary of Suket with which of the following states?
  - (A) Kullu
  - (B) Mandi
  - (C) Kangra
  - (D) Kutlehar
- 21. 'Gepang Goh Peak' is located in which district of Himachal Pradesh?
  - (A) Lahaul & Spiti
  - (B) Kinnaur
  - (C) Chamba
  - (D) Kullu
- 22. The indigenous hand-knitted socks and gloves of which district of Himachal Pradesh have received the Geographical Indication (GI) tag?
  - (A) Chamba
  - (B) Lahaul and Spiti
  - (C) Kullu
  - (D) Kinnaur
- 23. Thamsar Pass connects which places in Himachal Pradesh?
  - (A) Chhota Bhangal-Bara Banghal
  - (B) Chhota Bhangal-Bharmaur
  - (C) Bharmaur-Chamba
  - (D) Kullu-Bara Banghal
- 24. The coins of Audumbara had which word along with the name of the Raja or Rana with the tribe?
  - (A) Devaraya
  - (B) Kaushika
  - (C) Mahadevsa
  - (D) Shalvas



- 25. The WINGS project (Women and Infants Integrated Interventions in Growth Study) is being conducted on a pilot basis in which district of Himachal Pradesh?
  - (A) Kangra
  - (B) Chamba
  - (C) Una
  - (D) Kullu
- 26. Which of the following statements is/are correct?
  - 1. Shivratri fair of Mandi was started in 1527 AD by Raja Ajbar Sen.
  - Raja Suraj Sen in 1705 AD, introduced the present form of cultural festival to the Shivratri fair of Mandi.

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2
- 27. In which year, Mr. Vigne visited the Chamba state and became first European to visit the Chamba state?
  - (A) 1828
  - (B) 1839
  - (C) 1845
  - (D) 1848
- 28. Who among the following is popularly known as 'Sindhi Gandhi' born in Himachal Pradesh?
  - (A) Subedar Bhim Singh
  - (B) Satya Dev Bushahri
  - (C) Krishnanand Swami
  - (D) Baba Kansi Ram
- 29. 'No scenery in my opinion presents such sublime and delightful contrasts'. This quote by G.C. Barnes is for which of the following valleys?
  - (A) Solang valley



- (B) Kangra valley
- (C) Kullu valley
- (D) Spiti valley
- 30. The family idol of the Chamba Rajas, called Raghbir, is said to have been obtained from which Mughal emperor?
  - (A) Akbar
  - (B) Shahjahan
  - (C) Aurangzeb
  - (D) Jahagir
- 31. Recently, in which states, The Cheetah Corridor Project, a significant expansion of India's cheetah reintroduction efforts, is underway?
  - (A) Uttar Pradesh, Madhya Pradesh and Chhattisgarh
  - (B) Rajasthan, Uttar Pradesh, and Madhya Pradesh
  - (C) Rajasthan, Madhya Pradesh and Chhattisgarh
  - (D) Bihar, West Bengal and Assam
- 32. Which company has launched the quantum processor 'Willow' to significantly reduce errors?
  - (A) Google
  - (B) Amazon
  - (C) Meta
  - (D) Microsoft
- 33. Which state has topped in the NITI Aayog's Fiscal Health Index (FHI) 2025?
  - (A) Odisha
  - (B) Madhya Pradesh
  - (C) Goa
  - (D) Jharkhand
- 34. The Indian Navy and the European Union Naval Force (EUNAVFOR) conducted a joint naval exercise in which ocean in June 2025?
  - (A) Indian Ocean
  - (B) Atlantic Ocean



	(C)	Arctic Ocean
	(D)	Pacific Ocean
35.	The	7th edition of the Khelo India Youth Games (KIYG) was held in which state?
	(A)	Jammu & Kashmir
	(B)	West Bengal
	(C)	Bihar
	(D)	Maharashtra
36.	Whi	ch country honored Prime Minister Narendra Modi with its highest civilian award 'Mithra
	Vibh	iushana'?
	(A)	Nepal
	(B)	Sri Lanka
	(C)	Bhutan
	(D)	Maldives
37.	Whi	ch of the following statements is/are correct?
	1.	Theme of World Hindi Day 2025 is 'Global voice of Hindi unity and cultural pride'.
	2.	Theme of Aero India 2025 is 'The Runway to a Billion Opportunities'.
Sele	ct the	e correct answer using the codes given below:
	(A)	1 only
	(B)	2 only
	(C)	Both 1 and 2
	(D)	Neither 1 nor 2
38.	Rece	ently, Vizhinjam International Seaport was inaugurated by Prime Minister of India in which
	stat	e?
	(A)	Kerala
	(B)	Tamil Nadu
	(C)	Gujarat

39. The Astra MK-III missile has been officially renamed to?

(A) Brahma

(D) Odisha



(B)	Raudra
(C)	Gandiva
(D)	Vasavi

- 40. Who took charge as the chairman of Securities and Exchange Board of India (SEBI) in March 2025?
  - (A) Tuhin Kanta Pandey
  - (B) Poonam Gupta
  - (C) Debmalya Sen
  - (D) Viral Davda
- 41. Which of the following statements is/are correct about Khelo India Para Games 2025?
  - The Khelo India Para Games 2025 were held in Patna, Bihar.
  - 2. Haryana topped the medal tally in Khelo India Para Games 2025.

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2
- 42. The Odisha Government has introduced the Sahajog initiative for which purpose?
  - (A) Social benefits for underprivileged urban households
  - (B) Loans with a subsidized interest rate to help artisans
  - (C) Financial assistance to pregnant and lactating women
  - (D) Rehabilitation of individuals involved in begging
- 43. Lumpy Skin Disease, which was recently seen in news, is mostly occurred in?
  - (A) Horses
  - (B) Cattles
  - (C) Pigs
  - (D) Sheeps
- 44. In June 2025, India's economy is ranked at which position in the world based on nominal GDP?
  - (A) 3rd



(A) United States

(B) Japan

	(B)	4th
	(C)	5th
	(D)	6th
45.	Rec	ently, which country has executed the drone attack operation, codenamed 'Spider's Web'?
	(A)	India
	(B)	Israel
	(C)	Iran
	(D)	Ukraine
46.	Whi	ch institute has launched BHARAT (Biomarkers of Healthy Aging, Resilience, Adversity, and
	Trar	nsitions) research initiative?
	(A)	All India Institute of Medical Sciences (AIIMS) New Delhi
	(B)	Indian Institute of Science (IISc), Bengaluru
	(C)	Indian Institutes of Science Education and Research (IISER), Pune
	(D)	Tata Institute of Fundamental Research (TIFR), Mumbai
47.	Whi	ch city hosted the 31st National Children's Science Congress in January 2025?
	(A)	Pune
	(B)	Bhopal
	(C)	Kolkata
	(D)	Ahmedabad
48.	Whi	ch of the following is India's first government-funded, indigenously developed, Artificial
	Inte	lligence (AI) based Multimodal Large Language Model (LLM)?
	(A)	BharatGPT
	(B)	BharatGen
	(C)	IndMind
	(D)	Krutrim
49.	Whi	ch country along with India has commenced the fourth edition of the 13-day bilateral tri-
	serv	rice Humanitarian Assistance and Disaster Relief (HADR) exercise 'Tiger Triumph' 2025?



- (C) Mongolia
- (D) Egypt
- 50. Which of the following statements is/are correct?
  - 1. Indonesia officially joined BRICS as a full member in January 2025.
  - 2. Brazil took over the BRICS presidency in January 2025.

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2
- 51. Which of the following organisation recently released the report titled 'Enhancing Competitiveness of MSMEs in India'?
  - (A) SIDBI
  - (B) Confederation of Indian Industry
  - (C) EEPC India
  - (D) NITI Aayog
- 52. What is the theme of World Cancer Day 2025 celebrated on 4 February 2025?
  - (A) Close the Care Gap
  - (B) United by Unique
  - (C) Debunk the Myths
  - (D) I Can, We Can
- 53. What should be the minimum distance between the observer and reflector to hear an echo?
  - (A) 6.4 m
  - (B) 8.2 m
  - (C) 17.2 m
  - (D) 21.5 m
- 54. In which case does the potential energy decrease?
  - (A) On compressing a spring
  - (B) On stretching a spring



	(C)	On mov	ing a b	oody a	gainst	gravita	ational force				
	(D)	None of the above									
55.	5. Which of the following effects helps the police to check over-speeding of vehicles?										
	(A)	Echo									
	(B)	Doppler									
	(C)	Sonar									
	(D)	Refraction									
56.	descending order (% composition) of permanent gases of										
	Atm	tmosphere?									
	(A)	A) Argon > Carbon dioxide > Helium									
	(B)	Carbon dioxide > Argon > Helium									
	(C)	Argon > Helium > Carbon dioxide									
	(D)	Helium > Argon > Carbon dioxide									
57. The function of heavy water in a nuclear reactor is to?											
	(A)	Slow down the speed of neutrons									
	(B)	Increase the speed of neutrons									
	(C)	Cool do	wn the	e react	or						
	(D)	Stop the	e nucle	ear rea	ction						
58.	Mat	ch the gi	ven Vi	tam <mark>i</mark> ns	and tl	heir Ch	nemical Names correctly:				
	(a)	Vitam	in B1			(i)	Phylloquinone				
	(b)	Vitam	in B6			(ii)	Pyridoxine				
	(c)	Vitam	in E			(iii)	Tocopherols				
	(d)	Vitami	in K			(iv)	Thiamine				
Sele	ct th	e correct	answ	er usin	g the c	odes g	given below:				
		(a)	(b)	(c)	(d)						
	(A)	(i)	(iii)	(iv)	(ii)						
	(B)	(ii)	(i)	(iv)	(iii)						
	(C)	(iv)	(ii)	(i)	(iii)						
	(D)	(iv)	(ii)	(iii)	(i)						



(A) 1 only

(B) 2 only

(C) Both 1 and 2

59.	Joints present on Ankle, knee and elbow are which type of joints?								
	(A)	Saddle							
	(B)	Hinge							
	(C)	Pivot							
	(D)	Gliding							
60.	Whi	ch of the following ways is used by desert plants to conserve water?							
	(A)	Leaves are reduced to spines.							
	(B)	Photosynthesis in the moon light							
	(C)	Photosynthesis on weekly basis							
	(D)	Stomata present on the stem							
61.	Soci	ally and Educationally Backward Classes Commission (SEBC) was established in India on 1							
January 1979. It was headed by whom?									
	(A)	Y P Alagh							
	(B)	Justice Virender Sachar							
	(C)	B P Mandal							
	(D)	Justice Swatantar Kumar							
62.	'Trade, commerce and intercourse within territory of India' is included in which part of Indian								
	Constitution?								
	(A)	Part X							
	(B)	Part XIII							
	(C)	Part XV							
	(D)	Part XVII							
63.	Whi	Which of the following statements with respect to Vice-President of India is/are correct?							
	1.	Salary of the Vice-President of India is charged on the Consolidated Fund of India.							
	2.	No specific ground has been mentioned for the removal of the Vice-President.							
Sele	ct th	e correct answer using the codes given below:							



(D) Neither 1 nor 2	(D	1 (	Vei	th	er	1	nor	2
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- 64. Which among the following has not been Included in the list of languages under the 8th Schedule of the Constitution of India?
  - (A) Sanskrit
  - (B) Sindhi
  - (C) Urdu
  - (D) English
- 65. Which article of Indian Constitution contains provisions related to Contingency Fund of India?
  - (A) Article 164
  - (B) Article 211
  - (C) Article 267
  - (D) Article 314
- 66. Who of the following desired to convert Gandhiji to Christianity in South Africa?
  - (A) W. Bake
  - (B) Mrs. MacDonald
  - (C) William Godfrey
  - (D) Spencer Walton
- 67. Which of the following newspapers was NOT published by Mahatma Gandhiji?
  - (A) Navjeevan
  - (B) Harijan
  - (C) Vande Mataram
  - (D) Young India
- 68. Mahatma Gandhi's 'The Story of My Experiments with Truth' was originally written in which language?
  - (A) Marathi
  - (B) Sanskrit
  - (C) Sindhi
  - (D) Gujarati



- 69. During the Non-Cooperation Movement, Gandhiji returned which award given by the British Government?
  - (A) Knighthood
  - (B) Rai Bahadur
  - (C) Kaisar-i-Hind
  - (D) Hind Kesar
- 70. On February 1, 1922 Gandhiji threatened to launch civil disobedience from which of the following places?
  - (A) Kheda
  - (B) Surat
  - (C) Bombay
  - (D) Bardoli
- 71. Which of the following is correctly matched?
  - (A) New India M.K. Gandhi
  - (B) Yugantar Aurobindo Ghosh
  - (C) Young India Annie Besant
  - (D) Kesari B.G. Tilak
- 72. A supreme court was established in Calcutta under which of the following Acts?
  - (A) Regulating Act of 1773
  - (B) Regulating Act of 1781
  - (C) Regulating Act of 1792
  - (D) Regulating Act of 1862
- 73. Who among the following established Paramdham Ashram?
  - (A) Acharya Kripalani
  - (B) Swami Vivekananda
  - (C) Acharya Vinoba Bhave
  - (D) Ramakrishna Paramhansa
- 74. Treaty of Salbai was signed between Britishers and which of the following rulers?
  - (A) Afghans



- (B) Marathas
- (C) Mughals
- (D) Nawab of Awadh
- 75. Constituent Assembly was constituted in November 1946 under the scheme formulated by which of the following?
  - (A) Government of India Act
  - (B) Cripps Proposals
  - (C) Cabinet Mission Plan
  - (D) Indian Independence Act
- 76. A number of Hindu, Buddhist and Jain temples were excavated from which site those were carved between the 8th and 10th centuries A.D?
  - (A) Ajanta
  - (B) Ellora
  - (C) Bagh
  - (D) Vijaynagara
- 77. Which of the following Bhakti saints belonged to Nirguna bhakti worship?
  - (A) Meerabhai
  - (B) Dadu Dayal
  - (C) Ramanuja
  - (D) Surdas
- 78. Who is the author of the 'Tirukkural' a classic Tamil language text consisting of 1,330 short couplets?
  - (A) Thiruvalluvar
  - (B) Sittalai Sattanar
  - (C) Tolkappiyar
  - (D) Elango Adigal
- 79. Which of the following monistic school of philosophy believes that world is unreal and the only reality is Brahman?
  - (A) Nyaya



- (B) Vedanta
- (C) Purva Mimamsa
- (D) Yoga
- 80. Ragas in Indian music are time specific, season specific and mood specific. Which of the following is the Rag of autumn season?
  - (A) Dipak
  - (B) Shree
  - (C) Malkos
  - (D) Bhairav
- 81. If interest payments are subtracted from fiscal deficit, remaining amount is called as?
  - (A) Budget Deficit
  - (B) Monetized Deficit
  - (C) Primary Deficit
  - (D) Revenue Deficit
- 82. Which committee was set up in 2013 by the government to suggest ways to rationalise subsidies?
  - (A) Bimal Jalan Committee
  - (B) Rangarajan Committee
  - (C) Kelkar Committee
  - (D) MB Shah Committee
- 83. Multidimensional Poverty Index was launched by which organization?
  - (A) OPHI and UNDP
  - (B) SDSN and UNCTAD
  - (C) UNFCCC and IEP
  - (D) FAO and UNESCO
- 84. Which of the following statements is/are correct?
  - 1. Structural Unemployment arises due to transfer of labor from one occupation to another.
  - 2. Frictional Unemployment arises due to workers lack the requisite job skills.



(C) Both 1 and 2

(D) Neither 1 nor 2

	(A)	1 only
	(B)	2 only
	(C)	Both 1 and 2
	(D)	Neither 1 nor 2
85.	Regi	ional Rural Banks are Indian Scheduled Commercial Banks which were launched in which
	year	r in India?
	(A)	1968
	(B)	1975
	(C)	1981
	(D)	1985
86.	The	Angami tribe is a major ethnic group native to which state of India?
	(A)	Nagaland
	(B)	Jharkhand
	(C)	Mizoram
	(D)	Andaman & Nicobar
87.	Chh	atrapati Shivaji Maharaj Terminus in Mumbai is the headquarters of which Railway Zone?
	(A)	South Western Railway Zone
	(B)	South Central Railway Zone
	(C)	Western Railway Zone
	(D)	Central Railway Zone
88.	Whi	ch of the following statements is/are correct?
	1.	Lagoon is a shallow body of water separated from larger body by a barrier or reef.
	2.	Chilka Lake is a brackish water lagoon situated in the state of Andhra Pradesh.
Sele	ct the	e correct answer using the codes given below:
	(A)	1 only
	(B)	2 only

89. Oder Niesse line is the international border between which of the following countries?



- (A) Namibia and Angola
- (B) France and Germany
- (C) North and South Korea
- (D) Germany and Poland
- 90. Jonk River, Ib River, Ong River & Tel river are tributaries of which of the following rivers?
  - (A) Godavari
  - (B) Krishna
  - (C) Mahanadi
  - (D) Narmada
- 91. Tadoba National Park known for sheltering tiger panther and bear is located in which state of India?
  - (A) Assam
  - (B) Maharashtra
  - (C) Karnataka
  - (D) Tamil Nadu
- 92. Forests dominated by Sal and Teak trees as in Madhya Pradesh and Uttar Pradesh are which type of forests?
  - (A) Tropical Evergreen Forests
  - (B) Tropical Semi-Evergreen Forests
  - (C) Tropical Moist Deciduous Forests
  - (D) Dry Tropical Deciduous Forests
- 93. It is a type of biotic interaction in which both species benefit each other?
  - (A) Commensalism
  - (B) Mutualism
  - (C) Competition
  - (D) Amensalism
- 94. Which of the following statements is/are correct?
  - 1. The headquarters of Forest Survey of India is at Dehradun.
  - 2. The headquarters of Zoological Survey of India is at Mumbai.



Se	lect the	correct	answer	using th	ne cod	es given	below:
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- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2
- 95. The Air Quality Index (AQI) considers eight pollutants. Which of the following is not one of them?
  - (A) PM10
  - (B) O3
  - (C) CO<sub>2</sub>
  - (D) CO
- 96. The Bhopal gas tragedy was a chemical accident in the year 1984 at which company?
  - (A) Cynamide Agro Limited
  - (B) Ficon Organs Limited
  - (C) Union Carbide India Limited
  - (D) Hindustan Minerals Industries Limited
- 97. The Hyogo Framework for Action (HFA) was the global blueprint for disaster risk reduction efforts for which time period?
  - (A) 2000-2015
  - (B) 2005-2015
  - (C) 2010-2020
  - (D) 2015-2025
- 98. Which of the following is/are correct about Temperate Cyclones?
  - 1. They are found in 35-65 degree latitudes in northern hemisphere only.
  - 2. They affect the western side of the continents.

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2



- (D) Neither 1 nor 2
- 99. Mount Fujiyama is an active stratovolcano located in which country?
  - (A) Ecuador
  - (B) Indonesia
  - (C) Italy
  - (D) Japan
- 100. Which scale is used to measure the magnitude and the intensity of an earthquake respectively?
  - (A) Richter Scale and Mercalli Scale
  - (B) Mercalli Scale and Richter Scale
  - (C) Both are measured by the Richter Scale
  - (D) Both are measured by the Mercalli Scale

