# DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO

Series :

Question Booklet No.

CE/24/10/I

2024

PAPER-I

Candidate's Signature

Maximum Marks: 200

Invigilator's Signature

Time: 2 Hours

ROLL NO.

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- 1. International Day for the preservation of ozone layer is observed on
  - [A] 14th September
  - [B] 26th September
  - [C] 10th September
  - [D] 16th September
- 2. When did the Constituent Assembly enact and adopt the Constitution of India?
  - [A] 13th December, 1946
  - [B] 15th August, 1947
  - [C] 26th November, 1949
  - [D] 26th January, 1950
- 3. Which of the following provisions is not covered under 'Special provision with respect to the State of Nagaland' as per Article 371A of the Constitution of India?
  - [A] Religious or social practices of the Nagas
  - [B] Naga customary law and procedure
  - [C] Border management with the neighboring States
  - [D] Ownership and transfer of land and resources
- **4.** Which of the following is **not** listed in the Twelfth Schedule of the Constitution of India?
  - [A] Fire services
  - [B] Urban forestry, protection of the environment and promotion of ecological aspects
  - [C] Safeguarding the interests of weaker sections of society, including the handicapped and mentally retarded
  - [D] Urban police system, controlling the drugs and narcotics and safeguarding the interests of the youths

- **5.** Which of the following was *not* initiated by M. K. Gandhi?
  - [A] Harijan
  - [B] The Bengal Gazette
  - [C] Young India
  - [D] The Indian Opinion
- **6.** Arrange the following classical languages chronologically as per the years of their 'classical status':
  - (i) Sanskrit
  - (ii) Kannada
  - (iii) Tamil
  - (iv) Malayalam



- [A] (i), (ii), (iii), (iv)
- [B] (iii), (i), (ii), (iv)
- [C] (iii), (i), (iv), (ii)
- [D] (i), (ii), (iv), (iii)
- 7. The term 'Black Coat Syndrome', recently seen in news, is related to
  - [A] the stress levels among ordinary citizens due to culture of adjournments in courts
  - [B] rise in tension level in hospitals
  - [C] apprehensions related to bureaucracy
  - [D] a kind of mental illness

- **8.** Consider the following statements regarding Agartala-Akhaura Rail Link:
  - (i) It is a rail link connecting Northeast India with Bangladesh.
  - (ii) It was inaugurated in 2017 by Prime Minister Narendra Modi and Bangladesh PM Sheikh Hasina.
  - (iii) The project will promote tourism, trade and people to people exchanges.
  - (iv) Bhutan and Nepal are also a part of the project.

Which of the above statements is/are *correct*?

- [A] (i) only
- [B] (i) and (iii) only
- [C] (i), (ii) and (iii) only
- [D] All of the above
- **9.** Who was the Chairman of the High-level Committee on Simultaneous Elections (One Nation-One Election) constituted in 2023?
  - [A] Jagdeep Dhankhar
  - [B] Pranab Mukherjee
  - [C] Ram Nath Kovind
  - [D] Venkaiah Naidu
- **10.** Arrange the countries chronologically as per their rank in Human Development Index 2024:
  - (i) India
  - (ii) Sri Lanka
  - (iii) China
  - (iv) Bangladesh
  - (v) Bhutan
  - [A] (i), (ii), (iii), (iv), (v)
  - [B] (iii), (ii), (v), (iv), (i)
  - [C] (iii), (i), (ii), (v), (iv)
  - [D] (ii), (iii), (i), (v), (iv)

- **11.** Sikkim became an Associate State of the Indian Union through
  - [A] the Constitution (7<sup>th</sup> Amendment) Act, 1956
  - [B] the Constitution (36<sup>th</sup> Amendment) Act, 1975
  - [C] the Constitution (35<sup>th</sup> Amendment) Act, 1974
  - [D] the Constitution (39<sup>th</sup> Amendment) Act, 1978
- **12.** Which of the following is **not** a report published by World Economic Forum?
  - [A] Energy Transition Report
  - [B] Global Gender Gap Report
  - [C] Global Travel Tourism Report
  - [D] Human Development Index Report
- **13.** What was the theme of the 'World Environment Day' 2024?
  - [A] Only one earth
  - [B] Beat plastic pollution
  - [C] Time for nature
  - [D] Land restoration, desertification and drought resilience
- **14.** Arrange the following 'Presidents of USA' chronologically:
  - (i) Ronald Reagan
  - (ii) Bill Clinton
  - (iii) George H. W. Bush
  - (iv) George W. Bush
  - [A] (i), (iii), (iv), (ii)
  - [B] (i), (iv), (iii), (ii)
  - [C] (i), (ii), (iii), (iv)
  - [D] (i), (iii), (ii), (iv)

- **15.** Who among the following was **not** a part of 'Lal-Bal-Pal' indicating the 'extremist' faction of the Indian National Congress in the early 20<sup>th</sup> century?
  - [A] Lala Hardayal
  - [B] Lala Lajpat Rai
  - [C] Bal Gangadhar Tilak
  - [D] Bipin Chandra Pal
- 16. Match *List—I* with *List—II* and select the *correct* answer using the code given below the list.

		Lis	t—I			List	—II	
1	Titl	e of	the bo	ok)	(	Aut	hor)	
(i)		the ( ecies	Origin	of	1.	Thoi Hen Hux	ry	
(ii)		n's Pi	e as to lace in		2.	V. G	. Chi	lde
(iii)	Education in Ancient India			3.	Char			
(iv)		at Ha Iistor	ippene Y	4.	A. S	. Altel	kar	
	Cod	le :						
		(i)	(ii)	(iii)	(iv)			
	[A]	3	1	4	2			
	[B]	1	2	3	4			
	[C]	2	3	1	4			

17. The famous physician during Buddha's time was

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- [A] Charaka
- [B] Jivaka
- [C] Kautilya
- [D] Nachiketa



- 18. To which period of Indian history did Aryabhatta and Varahamihira (Scientist and Mathematician respectively) belong?
  - [A] Pala period
  - [B] Shunga-Kushana period
  - [C] Maurya period
  - [D] Gupta period

- **19.** Who was the author of the book *Tarikh-i-Firoz Shahi*?
  - [A] Ziauddin Barani
  - [B] Al-Biruni
  - [C] Abul Fazl
  - [D] Minhaj-i-Siraj
- 20. Who introduced the Iqta system?
  - [A] Shamsuddin Iltutmish
  - [B] Ghiyasuddin Balban
  - [C] Muhammad Ghori
  - [D] Qutub-ud-din Aibak
- Match List—I with List—II and select the correct answer using the code given below the list.

List—I						List—II
(	( Title of the book )				(Author)	
(i)	Ain	-i-Aki	bari		1.	Gulbadan Begum
(ii)	The	Rihl	a		2.	Abul Fazl
(iii)	Hur	пауи	n-Nam	a	3.	Ibn Battuta
(iv)	(iv) Rajatarangini <b>Code:</b>				4.	Kalhana
		(i)	(ii)	(iii)	(iv	)
	[A]	1	2	3	4	
	[B]	2	3	1	4	
	[C]	3	1	4	2	
	[D]	2	4	3	1	

- **22.** Who was the founder of the secret society Abhinav Bharat?
  - [A] Ganesh Savarkar
  - [B] Damodar Chapekar
  - [C] Naren Bhattacharjee
  - [D] Jatin Mukherjee
- 23. Who was mainly responsible for introducing the Ryotwari system in Madras?
  - [A] Thomas Munro
  - [B] John Lawrence
  - [C] Macartney
  - [D] Elphinstone

- 24. The Whitley Commission was concerned with
  - [A] public health
  - [B] reorganization of Civil Service
  - [C] labour
  - [D] education
- **25.** Consider the following statements on Arunachal Pradesh:
  - (i) Arunachal Pradesh is the second largest among the north-eastern States of India.
  - (ii) Based on the settlements, Arunachal Pradesh is divided into four cultural zones.

Which of the statements given above is/ are *correct*?

- [A] (i) only
- [B] (ii) only
- [C] Both (i) and (ii)
- [D] Neither (i) nor (ii)
- **26.** Match the following International Boundaries with the countries:

#### (Boundary Lines) (Countries)

- (i) Radcliffe India and Pakistan
- (ii) Durand India and China
- (iii) McMahon Pakistan and Afghanistan

Which of the above is/are correct?

- [A] *(i)* only
- [B] (i) and (ii) only
- [C] (i) and (iii) only
- [D] (i), (ii) and (iii)

- **27.** Which of the following passes is *not* in Arunachal Pradesh?
  - [A] Bum La
  - [B] Darma La



- [C] Bomdi La
- [D] Yonggyap La
- **28.** Which of the following pairs is/are correctly matched?

#### [ Census Year ] [ India's Population Growth Rates (In Percentage) ]

(i)	1971–1981	24.66
(ii)	1981-1991	23.87
(iii)	1991–2001	21.54
(iv)	2001-2011	17.64

- [A] (i) and (ii) only
- [B] (i), (ii) and (iii) only
- [C] (ii) and (iii) only
- [D] (i), (ii), (iii) and (iv)
- 29. Consider the following Particularly Vulnerable Tribal Groups (PVTGs) and their region as per the Ministry of Tribal Affairs, Government of India (2024):

# (i) Reang Tripura (ii) Maram Manipur (iii) Jarawa Andaman and Nicobar Islands (iv) Toto Sikkim

Which of the above pairs is/are correctly matched?

- [A] (i) and (ii) only
- [B] (iii) only
- [C] (i), (ii) and (iii) only
- [D] (i), (ii), (iii) and (iv)

- **30.** Consider the following statements:
  - (i) Almost all the deserts are confined within the 15°-30° latitude north and south of the equator.
  - (ii) Deserts lie on the western part of the continents, where trade-winds are off-shore.
  - (iii) Yardangs are important depositional features in the deserts.

Which of the above statements are correct?

- [A] (i) and (ii) only
- [B] (ii) and (iii) only
- [C] (i) and (iii) only
- [D] (i), (ii) and (iii)



- 31. As per Census of India, 2011, Decadal Population Growth Rate (2001-2011) of Arunachal Pradesh is
  - [A] 26·0
  - [B] 17·1
  - [C] 27·9
  - [D] 14·8
- 32. Consider the following statements with regard to 'Davisian model of geographical cycle':
  - (i) Landforms are the evolved products of the interactions of endogenetic and exogenetic forces.
  - (ii) Streams erode their valleys rapidly downward until the graded condition is achieved.
  - (iii) There is a short-period rapid rate of upliftment in land mass.

Which of the above statements is/are correct?

- [A] (i) only
- [B] (ii) and (iii) only
- [C] (i), (ii) and (iii)
- [D] (iii) only

33. Consider the following pairs:

#### (Cyclone) (Region)

(i) Typhoons

China Sea

(ii) Hurricanes

Caribbean Island

(iii) Tornadoes

USA

(iv) Willy Willies

Australia

Which of the pairs given above are correct?

- [A] (ii) and (iii) only
- [B] (iii) and (iv) only
- [C] (i), (ii) and (iv) only
- [D] (i), (ii), (iii) and (iv)
- 34. Consider the following pairs:

#### (Inland Waterways) (Rivers system)

(i) National Waterway 1 Ganga-

> Bhagirathi-Hooghly River

- system
- (ii) National Waterway 2 Brahmaputra River
- (iii) National Waterway 3 Krishna River

Which of the pairs given above is/are correctly matched?

- [A] (i) and (ii) only
- [B] (iii) only
- [C] (i), (ii) and (iii)
- [D] (i) and (iii) only
- 35. Which one of the following is the Minor Industrial Region of India?
  - [A] Bangalore-Tamil Nadu Region
  - [B] Gurgaon-Delhi-Meerut Region
  - [C] Bilaspur-Korba Region
  - [D] Chota Nagpur Region

36.	Consider the following pairs about local					
	storms of hot weather season of India.					

## (Local Storms) (Regions)

- (i) Mango Shower Kerala and coastal areas of Karnataka
- (ii) Norwester Bengal and Assam
- (iii) Bardoli Chheerha Maharashtra
- (iv) Blossom Shower Kerala
  Which of the pairs given above are
  correct?
  - [A] (i) and (iv) only
  - [B] (ii) and (iii) only
  - [C] (i), (ii) and (iv) only
  - [D] (iii) and (iv) only
- **37.** According to the Köppen's Climatic Classification (Regions), which of the following describes North-Eastern India?
  - [A] Amw
  - [B] E
  - [C] Aw
  - [D] Cwg
- **38.** The Union Cabinet (2024) has recently approved the development of National Maritime Heritage Complex (NMHC) in which of the following States?
  - [A] Odisha
  - [B] Tamil Nadu
  - [C] Kerala
  - [D] Gujarat
- **39.** Match the following Ramsar Sites of North East Indian States :

#### Ramsar Sites States (i) Deepor Beel 1. Tripura (ii) Rudrasagar Lake 2. Assam (iii) Pala Lake 3. Manipur (iv) Loktak Lake 4. Mizoram (i) (ii) (iii) (iv) [A] 2 1 4 3 [B]1 2 4 3 [C] 4 1 2 3 [D] 4 2 1

- **40.** According to which Article of the Indian Constitution, "No person shall be prosecuted and punished for the same offence more than once."?
  - [A] Article 21(A)
  - [B] Article 32(C)
  - [C] Article 20(2)
  - [D] Article 21(2)
- **41.** Which Article of the Constitution of India guarantees citizens Right to Freedom of conscience and free profession, practice and propagation of religion?
  - [A] Article 26
  - [B] Article 24
  - [C] Article 29
  - [D] Article 25



42. Match the following:

# (Nature of regional (States) aspirations)

- (i) Socio-religious identity
- 1. Nagaland and Mizoram
- (ii) Linguistic identity
- 2. Jharkhand and Chhattisgarh
- (iii) Regional imbalance
- 3. Punjab
- (iv) Secessionist demands on tribal identity
- 4. Tamil Nadu
- (i) (ii) (iii) (iv) Al 2 4 1 3
- [A] 2 4 1 3 [B] 1 2 4 3
- [C] 3 4 2 1
- [D] 3 1 4 2

- **43.** Who had made a distinction between India as a fatherland (pitrabhumi) and India as the holy land (punyabhumi)?
  - [A] Deendayal Upadhyay
  - [B] Mahatma Gandhi
  - [C] V. D. Savarkar
  - [D] Gopal Krishna Gokhale
- **44.** Who had formed Dravidian movement in Tamil Nadu?
  - [A] E. V. Ramasamy 'Periyar'
  - [B] M. Karunanidhi
  - [C] C. Annadurai
  - [D] J. Jayalalithaa
- 45. Shah Commission was appointed in
  - [A] 1975
  - [B] 1965
  - [C] 1977



- [D] 1989
- **46.** Which of the following ideas *did not* form a part of the early phase of India's development policy?
  - [A] Planning
  - [B] Liberalisation
  - [C] Cooperative farming
  - [D] Land reforms

- **47.** Which of the following is responsible for conducting elections for local bodies?
  - [A] Election Commission of India
  - [B] Chief Electoral Officer
  - [C] State Election Commissioner
  - [D] As decided by the President of India
- **48.** Kesavanand Bharati ruling came in the year
  - [A] 1969
  - [B] 1971
  - [C] 1973
  - [D] 1979
- **49.** Under whose Chairpersonship was a Commission constituted to review the working of the Constitution of India?
  - [A] Justice Hidaytullah
  - [B] Justice J. S. Verma
  - [C] Justice M. N. Venkatachaliah
  - [D] Justice Sanjeev Verma
- **50.** Which country's Constitution is known as 'Peace Constitution'?
  - [A] German Constitution of 1919
  - [B] Japanese Constitution of 1947
  - [C] Italian Constitution of 1948
  - [D] French Constitution of 1958

- **51.** Who amongst the following argued that reordering of Hinduism wasn't possible without liberal principles?
  - [A] Swami Dayananda Saraswati
  - [B] V. D. Savarkar
  - [C] Swami Vivekananda
  - [D] Mahatma Gandhi
- **52.** Which Article of the Directive Principles of the State Policy of the Constitution of India states that "the citizens, men and women equally, have the right to an adequate means of livelihood."?
  - [A] Article 38(1)
  - [B] Article 39(a)
  - [C] Article 41



- [D] Article 46
- 53. Match the following:

## (Schedule) (Subject)

- (i) Schedule Tenth 1. Languages
- (ii) Schedule Ninth 2. Union, State and Concurrent Lists
- (iii) Schedule Eighth 3. Provisions regarding disqualification on ground of defection

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(iv) Schedule Seventh 4. Article 31(B)

	(i)	(ii)	(iii)	(iı
[A]	3	4	1	2
[B]	4	2	1	3
[C]	3	2	1	4

- **54.** Match the following:
- (i) Charan Singh 1. Industrialization
- (ii) P. C. Mahalanobis 2. Land reforms
- (iii) K. N. Raj
- 3. Farmers
- (iv) Verghese Kurien 4. Milk Cooperatives

	(i)	(ii)	(iii)	(iv
[A]	1	2	3	4
[B]	3	1	2	4
[C]	3	2	1	4

- [C] 3 2 1 4 [D] 1 2 4 3
- **55.** Which of the following Committees has recommended for the introduction of three-tier structure of PRI for the first time?
  - [A] Ashok Mehta Committee
  - [B] Balwant Rai Mehta Committee
  - [C] Gadgil Committee
  - [D] L. M. Singhvi Committee
- **56.** Which of the following country groups are there in G20?
  - [A] European Union and ASEAN
  - [B] ASEAN and African Union
  - [C] European Union and African Union
  - [D] Euro Area and African Union
- 57. Which of the following is the development financial institution which came into being in 1982 with the purpose of addressing concern on institutional credit to agriculture and rural areas?
  - [A] Grameen Bank
  - [B] National Bank for Agriculture and Rural Development (NABARD)
  - [C] National Cooperative Credit Union (NCCU)
  - [D] Rural Finance Corporation

- **58.** Arrange the following events in a chronological order:
  - (i) Introduction of Goods and Services
    Tax
  - (ii) Nationalization of Banks
  - (iii) New Economic Policy
  - (iv) Second Five-Year Plan
  - [A] (iv), (i), (ii), (iii)



- [B] '(ii), (iv), (iii), (i)
- [C] (ii), (iv), (i), (iii)
- [D] (iv), (ii), (iii), (i)
- 59. Kisan Vikas Patra (KVP) is a deposit scheme in post offices which accepts a minimum amount of \_\_\_\_ in a year. The maximum amount which can be deposited is \_\_\_\_.
  - [A] ₹1000, ₹10 lakh
  - [B] ₹1000, ₹5 lakh
  - [C] ₹10000, ₹10 lakh
  - [D] ₹1000, unlimited
- **60.** Which of the following are the main greenhouse gases?
  - [A] Oxygen, carbon dioxide, nitrogen
  - [B] Carbon dioxide, methane, nitrous oxide
  - [C] Carbon dioxide, oxygen, methane
  - [D] Carbon dioxide, methane, nitrogen
- **61.** According to the recent data, the country which contributes the largest greenhouse emissions annually to the atmosphere, is
  - [A] India
  - [B] China
  - [C] USA
  - [D] UK

- 62. Which of the following organizations has played an important role in improving the payment settlement network in India and has also played an important role in the introduction of RuPay cards?
  - [A] National Securities Depositories Ltd.
  - [B] UIDAI
  - [C] National Payments Corporation of India
  - [D] Central Securities Depositories Ltd.
- **63.** Which of the following statisticians is well known for his work associated with the Second Five-Year Plan?
  - [A] D. T. Lakdawala
  - [B] Sukhamoy Chakraborty
  - [C] P. C. Mahalanobis
  - [D] P. R. Brahmananda
- 64. UPI stands for
  - [A] United Payments of India
  - [B] Unified Payments of India
  - [C] Unified Payments Interface
  - [D] Unified Payments on Internet
- **65.** Along with India, which country initiated the International Solar Alliance in 2015?
  - [A] Denmark
  - [B] Switzerland
  - [C] France
  - [D] Germany

- **66.** Which indicator is widely used to measure income inequality?
  - [A] Pearson's coefficient
  - [B] Gini coefficient
  - [C] Schwarz coefficient
  - [D] None of the above
- **67.** According to the World Bank database, which among the following countries is categorised as a low middle income country?
  - [A] China
  - [B] India
  - [C] Brazil
  - [D] Thailand
- 68. A UN Resolution in September 2015 adopted the 2030 Agenda for Sustainable Development adopting a plan of action for people, planet and prosperity anchored with \_\_\_\_\_ Sustainable Development Goals.
  - [A] 10
  - [B] 15
  - [C] 17
  - [D] 30
- **69.** According to the World Migration Report, the top three countries which receive the maximum amount in terms of remittances from abroad are
  - [A] China, Brazil and Mexico
  - [B] India, China and Mexico
  - [C] USA, India and China
  - [D] India, China and USA

- **70.** Which of the following are the functions of an Ecosystem?
  - (i) The flow of energy
  - (ii) The biogeochemical cycling of nutrients
  - (iii) Photosynthesis
  - (iv) Transpiration



- [A] (i) and (iv) only
- [B] (ii) and (iii) only
- [C] (i) and (ii) only
- [D] (iii) and (iv) only
- 71. The features, aerial roots, salt tolerance and viviparous reproduction are common among which of the following types of forests?
  - [A] Thorny forests
  - [B] Deciduous forests
  - [C] Mangrove forests
  - [D] Coniferous forests
- **72.** Which one of the following crops can be grown in the water parched areas?
  - [A] Sugarcane
  - [B] Rice
  - [C] Sorghum
  - [D] Cotton
- **73.** Oxylophytes are a group of plants that can grow under
  - [A] saline soil conditions
  - [B] acidic soil conditions
  - [C] sand and gravel
  - [D] marshy soil

- **74.** The most important strategy to conserve biodiversity along with the human life is
  - [A] Botanical Garden
  - [B] Biosphere Reserve
  - [C] National Park
  - [D] Wildlife Sanctuary
- 75. The State bird of Arunachal Pradesh is
  - [A] Buceros bicornis
  - [B] Ithaginis cruentus
  - [C] Asarcornis scutulata
  - [D] Pavo cristatus
- **76.** The Nagoya Protocol, a supplementary Protocol to the Convention on Biodiversity adopted in 2010, is about
  - [A] fair and equitable sharing of benefits arising out of use of genetic resources
  - [B] safe use and transport of the living modified organisms
  - [C] trans-border movement of the endangered species
  - [D] prohibitions against illegal trade of animal products
- 77. Which one of the following States of India has no National Park?
  - [A] Kerala
  - [B] Uttar Pradesh
  - [C] Gujarat
  - [D] Punjab

- **78.** The concept of Biodiversity Hotspot was given by
  - [A] Madhav Gadgil
  - [B] Norman Myers



- [C] Jane Goodall
- [D] Salim Ali
- **79.** Based on the Global Warming Potential (GWP) index developed by the IPCC, which one of the following is the most potent greenhouse gas?
  - [A] Carbon dioxide
  - [B] Methane
  - [C] Nitrous oxide
  - [D] Sulphur hexafluoride
- 80. Mission LiFE, Lifestyle for Environment, was introduced by the Prime Minister of India Narendra Modi during which UNFCCC, COP meeting?
  - [A] COP-28, Dubai
  - [B] COP-26, Glasgow
  - [C] COP-27, Sharm-El-Sheikh
  - [D] COP-21, Paris
- **81.** Which ruler of Assam, before the 4<sup>th</sup> century, was involved in the Mahabharata War?
  - [A] Narakasura
  - [B] Bhagadatta
  - [C] Bana
  - [D] Mahiranga Danava

- **82.** The language of the Khasis belongs to the
  - [A] Tibeto-Burman
  - [B] Aryan
  - [C] Mon-Khmer (Austro-Asiatic)
  - [D] Indo-European
- **83.** The myth of Jamadagni's son committing matricide is associated with which of the following places?
  - [A] Parshuram Kund
  - [B] Malinithan
  - [C] Paya Tamreswari
  - [D] Naksa Parbat
- **84.** The Khasi Rebellion in 1830 was led by
  - [A] Tirot Singh
  - [B] Kiang Nongbah
  - [C] Bar Manik



- [D] Raja Ram Singh
- **85.** The Achi Lhamo dance of Tawang is a creation of the Tibetan
  - [A] Tengyur
  - [B] Kangyur
  - [C] Mahabharata
  - [D] Ramayana
- **86.** The McMahon Line in 1914 was signed among Britain, China and
  - [A] Russia
  - [B] France
  - [C] Burma
  - [D] Tibet

- **87.** What was the sequence of the annexation of the Naga Hills by the British?
  - (i) 1875
  - (ii) 1889
  - (iii) 1904
  - (iv) 1866
  - [A] (i), (ii), (iii) and (iv)
  - [B] (ii), (i), (iii) and (iv)
  - [C] (iii), (ii), (iv) and (i)
  - [D] (iv), (i), (ii) and (iii)
- **88.** During World War II, in the 'South East Asian Frontier' of War, the last battle with the Japanese was
  - [A] the Battle of Imphal
  - [B] the Fall of Singapore
  - [C] the Fall of Burma
  - [D] the Battle of Kohima
- **89.** Which one of the following cells **do not** have the nucleus?
  - [A] Red blood corpuscles
  - [B] Lymphocytes
  - [C] Monocytes
  - [D] White blood corpuscles
- **90.** In which of the following organisms, nuclear membrane is absent?
  - [A] Amoeba
  - [B] Paramecium
  - [C] Escherichia coli
  - [D] Yeast cells

- **91.** The compound eye is present in which of the following organisms?
  - [A] Apple snail
  - [B] Jellyfish
  - [C] Turtle
  - [D] Honey bee
- 92. Wings of butterflies, bats and birds are
  - [A] analogous
  - [B] homologous
  - [C] orthologous
  - [D] paralogous
- **93.** The series of lines present in the visible region of the hydrogen spectrum is
  - [A] Lyman
  - [B] Balmer
  - [C] Paschen
  - [D] Brackett
- **94.** Long form of the periodic table is based on the properties as a function of
  - [A] atomic size
  - [B] atomic mass
  - [C] atomic radius



- [D] atomic number
- **95.** The electronic configuration  $ns^2np^5$  belongs to
  - [A] alkali metals
  - [B] lanthanides
  - [C] chalcogens
  - [D] halogens

- **96.** In the reaction  $CH_3CHO \rightarrow CH_3CH_2OH$ , LiAlH<sub>4</sub> is used as
  - [A] reducing agent
  - [B] oxidizing agent
  - [C] hydrating agent
  - [D] dehydrating agent
- **97.** If the velocity-time graph of an object in motion is a straight line inclined to the time axis, which of the following is *correct*?
  - [A] Velocity is uniform
  - [B] Both velocity and acceleration are uniform
  - [C] Acceleration is uniform
  - [D] Neither velocity nor acceleration is uniform
- 98. Density of water is maximum at
  - [A] 0 °C
  - [B] 4 °C
  - [C] 10 °C
  - [D] 6.8 °C
- **99.** The change of solid directly to vapour at constant temperature is called
  - [A] regelation
  - [B] condensation
  - [C] vaporization
  - [D] sublimation
- **100.** The basic instrument employed to just detect the current is

B. dr.

- [A] galvanometer
- [B] ammeter
- [C] wattmeter
- [D] voltmeter

## SPACE FOR ROUGH WORK



/25-**a**