

015/2020Question Booklet
Alpha CodeQuestion Booklet
Serial Number**266225****Total Number of questions: 100****Time: 90 Minutes****Maximum Marks: 100****INSTRUCTIONS TO CANDIDATES**

1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. A, B, C & D.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is unnumbered, please get it replaced by new question booklet with same alpha code.
6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so, he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

001. Which kingdom had matriarchy in South India?
(A) Pandya (B) Chera (C) Pallava (D) Chola
002. Which script was introduced in South India by Ashoka?
(A) Prakrit (B) Pali (C) Brahmi (D) Kharosthi
003. Mark the correct statement:
1. "Mughal rule began and ended at Panipat".
2. Marathas were defeated in the Third Battle of Panipat.
3. French rule began with Panipat.
4. French power ended with Panipat.
(A) 1 is correct. (B) 2 is correct.
(C) Both 1 and 2 are correct. (D) None of the above
004. Growth of vernacular literature in Medieval India was the greatest contribution of
(A) Vijayanagar Kingdom (B) Bahmani Kingdom
(C) Bhakti movement saints (D) Sultans of Delhi
005. Mark the correct statement:
1. Nizamuddin Auliya was the contemporary of Muhammad Tughluq.
2. Tulsidas was influenced by Shaikh Salim Chishti.
(A) 1 only (B) Both 1 and 2 (C) 2 only (D) Neither 1 nor 2
006. Which ruler of South India planted the Tree of Liberty?
(A) Tipu (B) Haider Ali (C) Prataparudra Deva (D) Dost Muhammad
007. Mark the incorrect statement:
1. Ashtapradhan is associated with Shivaji.
2. Shivaji was the organiser of Maratha Rajya.
3. Sulh-i-kul was the idea of Shivaji.
4. Treaty of Purandar took place with Shivaji.
(A) 1 is incorrect. (B) 2 is incorrect. (C) 3 is incorrect. (D) All are incorrect.
008. Mahmud Gawan was the minister of
(A) Bahmani Kingdom (B) Vijayanagar
(C) Bidar (D) Berar
009. Which ruler used marble in his buildings?
(A) Akbar (B) Jahangir (C) Shah Jahan (D) Aurangzeb
010. Who wrote the book 'A Nation in the Making'?
(A) Sarojini Naidu (B) Jawaharlal Nehru
(C) Abul Kalam Azad (D) S.N. Banerjee
011. Which among the following is not a work of Pandit Karuppan?
(A) Anandasutram (B) Lankamardanam
(C) Sthothramandaaram (D) Acharabhooshanam

A

012. Consider the following pairs:

Organization

- 1. Vidyaposhini
- 2. Ananda Maha Sabha

Founder

- Sahodaran Ayyappan,
- Vagbhadananda

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

- (A) 1 only
- (B) 2 only
- (C) Both 1 and 2
- (D) Neither 1 nor 2

013. Consider the following statements:

- 1. She was nominated to Cochin legislative assembly to advise about the Namboothiri Bill.
- 2. She was an elected member of Malabar District Board
- 3. She was related with Paliyam Satyagraha
- 4. She wrote the book 'Akalathiruttu'.

Which among the above statement/statements regarding Arya Pallom is/are correct?

- (A) 1 only
- (B) 1 and 2 only
- (C) 1, 2 and 3 only
- (D) All of the above

014. With reference to the Cochin Nair Act of 1937-38, consider the following statements:

- 1. It abolished Marumakkathayam and joint families.
- 2. It prohibited the marriage of a female less than 16 years of age and male less than 21 years of age.
- 3. It also prohibited the practice of polygamy.

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

- (A) 1 only
- (B) 2 only
- (C) 3 only
- (D) All of the above

015. Name the former Chief Minister of Kerala who got opportunity to become member of Cochin Praja Mandal, Thiru-Kochi, Kerala Legislative Assemblies and Rajya Sabha.

- (A) EMS Namboothiripad
- (C) C. Achutha Menon

- (B) R. Sankar
- (D) K. Karunakaran

016. The Kerala Panchayat Raj Bill 1994 was passed by the assembly during the tenure of which Minister for Local Administration:

- (A) M.K. Munir
- (C) V.J. Thankappan

- (B) C.T. Ahammadali
- (D) K. Balakrishna Pillai

017. Regarding the second coalition ministry of EMS Namboothiripad, consider the following statements:

- 1. The Ministry took office in the year 1966.
- 2. It consisted of CPI(M), CPI, the Muslim League, the RSP, the Karshaka Thozhilali Party and the Kerala Socialist Party.
- 3. C.H. Muhammed Koya was the Minister for Education.

Which of the above statements are correct?

- (A) 1 and 2
- (C) 2 and 3

- (B) 1 and 3

- (D) None of the above

018. The person who resigned from the Aikya Kerala Committee with the belief that State headed by a Rajapramukh will not be helpful to the formation of a democratic State.

- (A) K.P. Kesava Menon
- (C) T. Prakasam

- (B) K. Kelappan
- (D) T.K. Madhavan

019. Which among the following political parties participated in the Vimochana Samaram?
 (A) PSP (B) RSP (C) None of the above (D) Both of the above
020. Name the first MLA who lost the seat as a result of a court order.
 (A) Bhargavi Thankappan (B) M. Umesh Rao
 (C) Rosamma Chacko (D) Rosamma Punnose
021. Which one of the following events is related with the 2nd World War period (1939-45)?
 (A) Moroccan crisis (B) Zimmermann Telegram
 (C) Operation Barbarossa (D) The Berlin Blockade

022. Consider the following pairs:

Ideas	Ideology
1. NATO	Capitalism
2. SEATO	Communism
3. NAM	Neo-Colonialism
4. AUTARKY	International Trade

Which of the pairs given above are correctly matched?

- (A) 1, 2 and 3 only (B) 3 and 4 only (C) 1 only (D) 2 and 4 only

023. Consider the following statements:

1. The process of victory of anti-colonial struggles and achievement of freedom by colonies came to be known as decolonisation.
2. These struggles were won only by means of force and violence.
3. Anti-colonial struggles achieved their first success in Africa and then in Asia.

Which of the statements given above is/are correct?

- (A) 1 and 2 only (B) 1 only (C) 1 and 3 only (D) 1, 2 and 3

024. Consider the following statements:

1. The International Labour Organization (ILO) was established after the 1st World War to secure social justice.
2. The ILO was part of the Treaty of Versailles of 1919.
3. The ILO became the first specialised agency of the UN in 1946.
4. India is a founder-member of the ILO.

Which of the statements given above is/are correct?

- (A) 1 and 2 only (B) 4 only (C) 2, 3 and 4 only (D) 1, 2, 3 and 4

025. With reference to the consequences of the Industrial Revolution, which of the following statements is/are correct?

1. Subjugation of agricultural countries of the world
2. Increased unautomated production
3. Rise in per capita income.

Select the correct answer using the codes given below:

- | | |
|------------------|----------------|
| (A) 1 and 3 only | (B) 2 only |
| (C) 2 and 3 only | (D) 1, 2 and 3 |

A

026. Consider the following statements:

1. Globalization is an ongoing process starting from the dawn of civilization.
2. Some scholars find origins of globalization in the expansion of imperialism in Asia and Africa by European powers.
3. Globalization came about with the revolution in transport and communication technologies during 19th and 20th centuries.
4. The process of globalization was increasingly felt only in 1970s.

Which of the statements given above is/are correct?

- (A) 1 and 2 only (B) 4 only (C) 2, 3 and 4 only (D) 1, 2, 3 and 4

027. With reference to the Industrial Revolution in England, which one of the following statements is correct?

- (A) Guild System promoted Industrial Revolution.
(B) Greater production of goods resulted in end of factory system.
(C) Manufacturing methods also changed the methods of agriculture.
(D) None of the above.

028. With reference to the politico-economic theory of Communism, which one of the following statements is not correct?

- (A) Marxist ideas of how to change the world was based on a scientific analysis of society through history.
(B) No society can be Socialist before having gone through the stages of Capitalism.
(C) Capitalism itself creates the conditions for the overthrow of the capitalist society.
(D) Karl Marx showed that the material bases of life never determine the nature of society.

029. With reference to colonization, which one of the following statements is NOT correct?

- (A) The ideology of Imperialism encourages conquest and colonial domination.
(B) Colonialism produces a dualistic society in which one sector is modern and capitalist while another sector is traditional and pre-capitalist.
(C) In colonial India, agriculture had no capitalist element.
(D) None of the above.

030. With reference to the resolution on Partition Plan of Palestine State of 1947, which one of the following statements is correct?

- (A) Palestine was under French mandate System after the 1st World War.
(B) The Plan of Partition was recommended by the U.S.A. in 1947.
(C) After this resolution, a civil war broke out and the plan was not implemented.
(D) All the statements are correct.

031. Consider the following statements:

1. In Kerala, the megaliths are burial sites.
2. Iron objects and pottery are the main items found from megalithic burials in Kerala.
3. 'Pattanam' is a megalithic burial site.

Which of the above statement/s is/are not correct?

- (A) 1 only (B) 1, 2 and 3 (C) 3 only (D) All of the above

032. Which among the following is not related with medicine in Kerala?

- | | |
|-----------------------|------------------------|
| (A) Matangaleela | (B) Prakriya Sarvaswam |
| (C) Ashtanga Sareeram | (D) Prayoga Samuchayam |

033. With reference to the temple architecture of Kerala, consider the following statements:

1. Pallava style of architecture influenced temple architecture in Kerala.
2. Koothambalam is an important feature of Kerala temple architecture.
3. Vimana is an important feature of Kerala temples.

Which of the above is/are not correct?

- | | | | |
|------------|------------|------------------|----------------|
| (A) 1 only | (B) 3 only | (C) 1 and 2 only | (D) 1, 2 and 3 |
|------------|------------|------------------|----------------|

034. Consider the following:

1. Mampalli copper plate of Shri Vallabhan Kota is the first record that used Kollam Era.
2. Parthivapuram copper plate refers to the grants of land to 'Salai'.
3. Jewish copper plate speaks of a grant to Joseph Rabban.

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

- | | | | |
|------------|------------------|----------------|-----------------------|
| (A) 1 only | (B) 1 and 3 only | (C) 1, 2 and 3 | (D) None of the above |
|------------|------------------|----------------|-----------------------|

035. Consider the following pairs:

Work

1. Kokila Sandesa
2. Ascharya Choodamani
3. Bhashashtapathi

Author

- | |
|-------------------|
| Uddanda Sastrikal |
| Saktibhadra |
| Unnayi Varier |

Which of the above pairs is/are correctly matched?

- | | |
|----------------|-----------------------|
| (A) 1 only | (B) 1 and 2 only |
| (C) 1, 2 and 3 | (D) None of the above |

036. Which among the following palace is famous for its mural painting 'Gajendramoksha'?

- | | |
|------------------------|----------------------------|
| (A) Mattanchery Palace | (B) Padmanabhapuram Palace |
| (C) Chirakkal Palace | (D) Krishnapuram Palace |

037. With reference to caste system in Kerala, consider the following statements:

1. 'Mannappedi' and 'Pulappedi' were abolished by Sri Kerala Varma of Venad by issuing an order.
2. 'Sankara Smriti' is a text dealing with caste rules and practices.
3. 'Channar' agitation was a caste movement.

Which of the statement/statements is/are correct?

- | | | | |
|------------|------------|----------------|------------------|
| (A) 1 only | (B) 2 only | (C) 1, 2 and 3 | (D) 1 and 3 only |
|------------|------------|----------------|------------------|

038. Consider the following:

1. Revathipattathanam was an annual scholarly assembly patronised by Zamorin of Calicut.
2. 'Kadannirikkal' is an important aspect of Revathipattathanam.
3. Head of Payyur family was the chief judge of Revathipattathanam.

Which among the above statement/s is/are NOT correct?

- | | | | |
|------------|------------|------------------|----------------|
| (A) 1 only | (B) 2 only | (C) 2 and 3 only | (D) 1, 2 and 3 |
|------------|------------|------------------|----------------|

039. With reference to the evolution of the Malayalam language, consider the following statement/s:

1. The word 'Jannal' came to the Malayalam language from Portuguese.
2. 'Diwan' is a word that came to Malayalam from Arab language.
3. 'Samkshepa Vedartham' is the first printed book in Malayalam.

Which of the above is/are correct?

- (A) 1 and 3 only (B) 1 and 2 only (C) 1, 2 and 3 (D) None of the above.

040. Consider the following:

1. 'Parahita' system of astronomy existed in Kerala.
2. Katapayadi system employed letters to denote numbers.
3. 'Laghubhaskareya Vyakhya' is an astronomical work.

Which among the above statement/s are correct?

- (A) 1 and 2 only (B) 1 and 3 only (C) 1, 2 and 3 (D) 2 and 3 only.

041. Which one of the following statements about the Private Bill in Indian Parliament is NOT correct?

- (A) It is introduced by any Member of Parliament other than a Minister
- (B) Its drafting is the responsibility of the member concerned
- (C) Its rejection by the House has no implication on the parliamentary confidence in the government or its resignation.
- (D) Its introduction in the House requires seven days' notice.

042. Which of the following statements are correct regarding the federalism of India?

1. Indian Federation is "an indestructible Union of destructible states"
 2. Indian Federation is "an indestructible Union of indestructible states"
 3. The term 'federation' has nowhere been used in the Constitution
 4. The Parliament can make laws on any matter in the State List for implementing the international treaties, agreements or conventions
- (A) 1, 3 and 4 (B) 2, 3 and 4 (C) 1, 2 and 3 (D) 1, 2 and 4

043. Considering different schedules in the Constitution of India, which of the following pairs are correctly matched?

- | | | |
|-------------------|---|--|
| 1. Fifth Schedule | : | Provisions relating to the administration and control of Scheduled Areas and Scheduled Tribes |
| 2. Sixth Schedule | : | Allocation of seats in the Rajya Sabha to the States and Union Territories |
| 3. Ninth Schedule | : | Acts and Regulations of the state legislatures dealing with land reforms and abolition of the Zamindari system |
| 4. Tenth Schedule | : | Provisions relating to the administration of tribal areas in the States of Assam, Meghalaya, Tripura and Mizoram |
- (A) 1, 2 and 3 (B) 1, 3 and 4 (C) 1 and 3 only (D) 1 and 4 only

044. Which of the following statements relating to Right to Property in the Constitution of India is NOT correct today?

1. Right to Property is a Constitutional Right
 2. It is not a part of the basic structure of the Constitution
 3. It protects private property against executive action but not against legislative action
 4. In case of violation, the aggrieved person cannot move the High Court under Article 226.
- (A) 2 and 3 (B) 3 and 4 (C) Only 3 (D) Only 4

045. In India, a Bill is not to be deemed to be a Money Bill, if it contains provision for———
 (A) the imposition, abolition, remission, alteration or regulation of any tax.
 (B) the imposition of fines or other pecuniary penalties, or the demand or payment of fees for licences or fees for services rendered
 (C) the appropriation of money out of the Consolidated Fund of India
 (D) the regulation of the borrowing of money by the Union Government.
046. Which among the following statement is NOT correct regarding the election of the Vice-President of India?
 (A) The electoral college consists of both elected and nominated members of the Parliament
 (B) The electoral college does not include the members of the State Legislative Assemblies
 (C) The electoral college includes the elected members of the State Legislative Assemblies
 (D) All doubts and disputes in connection with election of the Vice-President are inquired into and decided by the Supreme Court whose decision is final.
047. Which one among the following is added to fundamental duties through the 86th Amendment Act, 2002 of the Indian Constitution?
 (A) who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years
 (B) to develop the scientific temper, humanism and the spirit of Inquiry and reform
 (C) to protect and improve the natural environment including forests, lakes, rivers and wildlife, and to have compassion for living creatures
 (D) to safeguard public property and to abjure violence.
048. Which of the following pairs are correctly matched?
 1. Swaran Singh Committee : Fundamental Duties
 2. Balwant Rai Mehta Committee : Three-tier system of Panchayati Raj Institutions
 3. Rajamannar Committee : Two-tier system of Panchayati Raj Institutions
 4. Ashok Mehta Committee : Centre-State relations
 (A) 1, 2 and 4 (B) 1, 2 and 3 (C) 2 and 3 only (D) 1 and 2 only
049. Which writ among the following is a command issued by the court to a public official asking him to perform his official duties that he has failed or refused to perform, which can also be issued against any public body, a corporation, an inferior court, a tribunal or government for the same purpose?
 (A) Certiorari (B) Mandamus (C) Quo-Warranto (D) Habeas Corpus
050. Considering the powers of Lok Sabha and Rajya Sabha in the Indian Parliament which of the following statement is NOT correct?
 (A) A Money Bill can be introduced only in the Lok Sabha and not in the Rajya Sabha
 (B) Rajya Sabha can only discuss the budget but cannot vote on the demands for grants
 (C) Rajya Sabha and Lok Sabha have equal powers in the introduction and passage of ordinary Bills
 (D) Only Lok Sabha has power in the introduction and passage of financial Bills involving expenditure from the Consolidated Fund of India.
051. Who among the following called Indian Federalism a "co-operative federalism"?
 (A) K.C. Wheare (B) Morris Jones
 (C) Granville Austin (D) Ivor Jennings

052. Which one among the following statement is NOT correct about the Comptroller and Auditor General of India?

- (A) Comptroller and Auditor General of India submits his audit reports relating to the accounts of the Centre to the Chief Justice of Supreme Court.
- (B) Comptroller and Auditor General of India is not eligible for further office, either under the Government of India or of any state, after he ceases to hold his office.
- (C) Comptroller and Auditor General of India's salary and other service conditions are determined by the Parliament.
- (D) Comptroller and Auditor General of India advises the President with regard to prescription of the form in which the accounts of the Centre and the States shall be kept.

053. 'Per incurium' judgement means:

- (A) judgement stands as a valid precedent
- (B) partially allowed decision
- (C) having no bindingness in subsequent decisions
- (D) rebuttable judgement.

054. Which one of the following is NOT true of the doctrine of necessity as applied in administrative hearings?

- (A) Administrative decisions not based on sound necessity is justifiable.
- (B) Necessity acts as an exception to bias.
- (C) The non-application of the doctrine in certain situations would impede justice.
- (D) It postulates that every kind of preference made in administrative decisions and its process need not vitiate an administrative action.

055. In order to form a new State, which Schedule in the Constitution of India needs to be amended?

- (A) Second Schedule
- (B) Tenth Schedule
- (C) Third Schedule
- (D) First Schedule.

056. As per the Child Labour (Prohibition and Regulation) Act, 1986 a 'week' means a period of 7 days beginning at midnight of

- (A) Sunday
- (B) Monday
- (C) Saturday
- (D) Thursday

057. 'Recess' under Indian Constitutional Scheme means:

- (A) interval between prorogation of Parliament and its reassembly in new session
- (B) Parliament in session
- (C) adjournment of Parliament
- (D) dissolution of House.

058. Match the provisions in the Indian Constitution (List-I) with the country from which it is adopted in List-II.

List-I

Constitutional Provisions of India

- 1. Concurrent List
- 2. Suspension of Fundamental Rights during emergency
- 3. Method of election of the President
- 4. Residual Powers
- 5. Amendment of the Constitution

List-II

Constitutions from which adopted

- (a) Australia
- (b) Germany
- (c) Ireland
- (d) Canada
- (e) South Africa

Select the correct match:

- (A) 1 (d), 2 (a), 3 (c), 4 (b), 5 (e)
- (B) 1 (b), 2 (a), 3 (d), 4 (e), 5 (c)
- (C) 1 (a), 2 (b), 3 (c), 4 (d), 5 (e)
- (D) 1 (e), 2 (d), 3 (b), 4 (c), 5 (a)

A

059. Article 300A protects
 (A) private property against executive action but not against legislative action
 (B) private property against legislative action but not against executive action
 (C) private property from both executive and legislative action
 (D) none of the above.
060. 'X' cuts a mango tree in a government land and sells the wood for money. He is liable under the Kerala Land Conservancy Act with
 (A) a fine of Rs. 200 and imprisonment which may extend to 6 months.
 (B) damages of three times the value of the tree and fine of Rs. 500 only.
 (C) damages of three times the value of the tree and fine of Rs. 500/- or punishment of imprisonment extending to 6 months.
 (D) None of the above.
061. As per the Indian Constitution, the essential qualifications to become a Chief Election Commissioner are:
 (A) Should have been in Indian Administrative Service.
 (B) Should have completed thirty five years of age.
 (C) Should have practised law for not less than five years in any High Court.
 (D) None of the above.
062. Which one of the following is NOT true with regard to India's reservation to the provisions of Convention on Elimination of All forms of Discrimination Against Women (CEDAW)?
 (A) to take measures to eliminate culture-induced stereotype role of men and women.
 (B) to take measures in changing personal laws especially in matters of marriage, family, guardianship etc.
 (C) reference of disputes to International Court of Justice in case of failure of arbitration.
 (D) to take measures to eliminate discrimination by any person, organization or enterprise.
063. Which of the following is NOT one of the core values of Public Administration?
 (A) Efficiency (B) Equity (C) Bureaucracy (D) Effectiveness
064. "Entropy" is a law of nature in which all forms of organizations move towards
 (A) Disorganization and death (B) Continuous improvement
 (C) Growth and continuity (D) Rebirth and emergency.
065. Under the Indian Constitution, the residuary powers are vested in:
 (A) the States
 (B) the Centre
 (C) the States and Union Territories
 (D) equally divided between the Centre and the States.
066. The process of transmitting the idea or thought into meaningful symbols is called:
 (A) Decoding (B) Encoding (C) Feedback (D) Reception.
067. Which of the following violates the principle of Utility of Command?
 (A) Functional organization (B) Bureaucratic organization
 (C) Manufacturing organization (D) Product organization.

A

068. The first Municipal Corporation was established in India at :
(A) Chennai (B) Delhi (C) Hyderabad (D) Mumbai.
069. Which of the following is NOT a feature of good governance?
(A) Accountability (B) Transparency (C) Nepotism (D) Rule of law
070. "Leaders are born and not made" is a perception based on:
(A) Contingency Theory of Leadership (B) Trait Theory of Leadership
(C) Fiedler's Model of Leadership (D) Situational Leadership.
071. Atul and his father were born in the months of December and September respectively. In 2017 both their birthdays fell on Sundays. If in 2020 Atul's birthday falls on a Thursday, his father's birthday will fall on
(A) Wednesday (B) Friday (C) Thursday (D) Monday
072. A man can plough a field alone in 20 days. His wife can plough it in 25 days. When they plough the field with their son they can plough it in 5 days. How many days would the son take if he were to plough the field alone?
(A) $8\frac{1}{11}$ (B) $9\frac{1}{11}$ (C) $10\frac{1}{11}$ (D) $11\frac{1}{11}$
073. Which of the following will be a point on a line that contains $(-1, -1)$ and $(2, 5)$?
(A) $(30, 41)$ (B) $(80, 91)$ (C) $(100, 201)$ (D) $(110, 121)$
074. Radhika sold her treadmill on OLX to a customer at a loss of 6% to the original cost. If she had sold it for Rs. 1250/- more, she would have gained 4%. What is the original cost of the treadmill?
(A) 12500 (B) 11750 (C) 13000 (D) 10000
075. In a college 200 students took admission in different subjects. 56 students took Biology, 62 took Maths, 84 took Psychology. 18 students took Biology and Maths, 20 took Biology and Psychology and 12 took Maths and Psychology. If 8 students took all three subjects how many students took none of these subjects?
(A) 10 (B) 20 (C) 30 (D) 40
076. Six persons are seated on a round dining table in such a way that Atul sits in front of Binoy, Elias sits between Atul and David, Firoz sits to the left of Binoy and Chaaya sits between Atul and Firoz. Who sits between Binoy and Elias?
(A) David (B) Firoz (C) Chaaya (D) Binoy
077. Find the next number to the following 1, 1, 2, 4, 8, 12, 144, 1728,
(A) 4625 (B) 1872 (C) 1525 (D) 4681
078. In a certain code the numbers are coded as follows: '325' is coded as '105' '436' is coded as '137' and '547' is coded as '169'. What will be the code for 258?
(A) 305 (B) 157 (C) 102 (D) 111
079. How many squares and rectangles can be drawn by a set of 4 straight parallel lines perpendicular to another set of 4 parallel lines?
(A) 125 (B) 135 (C) 130 (D) 140

080. Sudha secured 48% of Radha's marks, and Sunil secured 60% of Radha's marks. What is 'p' if Sudha secured 'p' percent of Sunil's marks?
 (A) 50 (B) 60 (C) 70 (D) 80
081. If PXQ means P is daughter of Q, $P+Q$ means P is father of Q, $P*Q$ means P is mother of Q, $P-Q$ means P is brother of Q, then in the expression $AXB*C-D X F$, how are B and F related?
 (A) Wife and husband (B) Brother and sister
 (C) Mother and son (D) Father and daughter
082. The ratio of Mother's age to the Son's age is 11:6. Five years ago the Mother's age was double the age of the Son. How many times the Son's age will the Mother's age be twenty years from now?
 (A) 2.25 times (B) 2 times (C) 1.75 times (D) 1.5 times
083. A group of men can row a canoe at 40 kilometers per hour in still water. After rowing for 2 hours the stream flows downhill and they take two more hours to reach a point. On the way back by the same route the time taken is two times the time taken for onward journey. What is the speed of the stream?
 (A) 10 km/hour (B) 20 km/hour (C) 30 km/hour (D) 40 km/hour
084. Give the next in the series. A9B, C49D, E121F,....
 (A) G199H (B) G221H (C) G281H (D) G225H
085. A person buys a house for 15 lacs and sells it for 20 lacs. After five years he buys the same house at 30 lacs and sells it for 40 lacs. What is the overall profit percent for that person over both the transactions?
 (A) 30.33% (B) 33.33% (C) 35.33% (D) 40.33%

086. Match the following:

List I
(Longitudes)

- a. Prime Meridian
- b. Tropic of Cancer
- c. International Date Line
- d. Arctic Circle
- e. Tropic of Capricorn

List II
(Dates)

- 1. 180° longitude
- 2. $23\frac{1}{2}^\circ$ N latitude
- 3. 0° longitude
- 4. $23\frac{1}{2}^\circ$ S latitude
- 5. $66\frac{1}{2}^\circ$ N latitude

	a	b	c	d	e
(A)	2	4	5	1	3
(B)	3	2	1	5	4
(C)	3	1	4	5	2
(D)	3	4	5	2	1

A

087. A ship sailing from the eastern extremity of the Aleutian Islands to Dutch Harbour crosses 180° meridian at 23.30 hrs on January 1, 1999. What time and date will be recorded by the captain of the ship in his diary after one-hour journey from the point of crossing of the meridian?
(A) January, 1, 00.30 hrs (B) January, 2, 00.30 hrs
(C) January, 3, 00.30 hrs (D) January, 4, 00.30 hrs
088. Assertion (A): A Karst topography is characterized by the formation of stalactites and stalagmites.
Reason (R): Solution is a dominant process in the development of land forms in Karst Region.
(A) Both A and R are true and R is the correct explanation of A
(B) Both A and R are true but R is not the correct explanation of A
(C) A is true but R is false
(D) A is false but R is true.
089. Consider the following statements about the "Roaring Forties".
I. They blow uninterrupted in the Northern and Southern Hemisphere.
II. The blow with great strength and constancy.
III. Their direction is generally from North-West to East in the Southern Hemisphere.
IV. Overcast skies, rain and raw weather are generally associated with them.
Which of these statements are correct?
(A) I, II and III (B) II, III and IV (C) I, II and IV (D) I, II and V
090. For short-term climatic predictions, which one of the following events, detected in the last decade, is associated with occasional weak monsoon rains in the Indian sub-continent?
(A) La Nina (B) Movement of Jet Streams
(C) El Nino and Southern Oscillations (D) Greenhouse effect on global level.
091. Consider the following statements regarding the earthquakes:
I. The intensity of earthquake is measured on Mercalli scale.
II. The magnitude of an earthquake is a measure of energy released.
III. Earthquake magnitudes are based on direct measurements of the amplitude of seismic waves.
IV. In the Richter scale, each whole number demonstrates a hundredfold increase in the amount of energy released.
Which of these statements are correct?
(A) I, II and III (B) II, III and IV (C) I and IV (D) I and III
092. Volcanic eruptions do not occur in the
(A) Baltic Sea (B) Black Sea (C) Caribbean Sea (D) Caspian Sea
093. Assertion (A): Anti-cyclonic conditions are formed in winter season when atmospheric pressure is high and air temperatures are low.
Reason (R): Winter rainfall in Northern India causes development of anti-cyclonic conditions with low temperature.
(A) Both A and R are individually true, and R is the correct explanation of A.
(B) Both A and R are individually true, but R is NOT a correct explanation of A.
(C) A is true, but R is false.
(D) A is false, but R is true.
094. The characteristics of a cyclone include:
I. Air convergence
III. Centrifugal air flow
(A) I and IV (B) I, II and IV
II. Upliftment of air
IV. Circular air motion
(C) I, II and III (D) All of these

095. Consider the following statements:

"Vulcanicity" refers to

- I. all those processes in which molten rock material or magma rises into the crust.
- II. the greater bulk of the volcanic rocks of the earth's surface were erupted from volcanoes
- III. the process of solidification of rock into crystalline or semi crystalline form from molten rock material after being poured out on the surface.

Which of the statements given above are correct?

- (A) I, II and III (B) I and II (C) II and III (D) I and III

096. Consider the following statements regarding the Saharan dust.

1. The Saharan dust : fertilize the Amazon rainforest.
2. It provides mineral nutrients for phytoplankton in the Atlantic Ocean.
3. It helped to build beaches across the Caribbean after being deposited for thousands of years.
4. The Saharan dust : do not play any role in determining the intensity of hurricanes in the Atlantic Ocean.

Which of the statements listed above are true?

- (A) 1 and 2 only (B) 2 and 3 only (C) 1, 2 and 4 only (D) 1, 2 and 3 only

097. Consider the following pairs:

<u>Waterfall</u>	<u>River</u>
1. Chitrakoot	Indravati
2. Dudhsagar	Zuari
3. Jog	Sharavathi
4. Athirapally	Chalakudy

Which of the pairs given above are correctly matched?

- (A) 1, 2 and 3 only (B) 1, 3 and 4 only (C) 3 and 4 only (D) 1, 2, 3 and 4

098. Where is the Cherrapunji scarp located?

- (A) Jaintia Hills (B) Garo Hills (C) Khasi Hills (D) Naga Hills

099. Given below is a list of towns in Southern Karnataka. Which town among these can be identified as a ghost town?

- (A) Mangaluru (B) Kudremukh (C) Sakleshpur (D) Mudbidri

100. Consider the following statements:

1. One of the largest flooded areas was those adjacent to the backwaters along the coast. Areas adjoining these wetlands that are normally flood-free were flooded to a large extent.
2. The outlets to the sea, (pozhis/sand banks and spillways), did not have the capacity to evacuate high flood flows from the rivers, as they occurred, into the sea and thereby aggravating the floods.
3. The flood situation in the coastal areas was intensified by the perigean spring tide, during 11–15 August 2018.
4. Sustained strong onshore winds, resulting in abnormally high sea levels, hampered river outflow into the sea and intensified the flood.

Which among the following statements, listed above, are true with regard to the Kerala floods of August 2018?

- (A) 1, 2, 3 and 4 (B) 1 and 4 only (C) 1, 2 and 4 only (D) 2 and 3 only