

UPSC –CDS (COMBINED DEFENCE SERVICES) EXAMINATION

Held in February 2008

General Knowledge Section only

- 1 Who among the following is the Chairman of the 13th Finance Commission?
(a) Vijay Tendulkar (b) M. Damodaran
(c) Vijay Kelkar (d) Y.V.Reddy
- 2 Match List-I with List-II and select the correct answer using the code given below the lists:

<u>List-I (Folk Dance)</u>		<u>List-II (State)</u>
I. Bhavai	(A)	Mizoram
II. Thabal Chongba	(B)	Assam
III. Cheraw	(C)	Manipur
IV. Bhortal Nritya	(D)	Rajasthan

Codes:
(a) I-D, II-A, III-C, IV-B (b) I-B, II-A, III-C, IV-D
(c) I-D, II-C, III-A, IV-B (d) I-B, II-C, III-A, IV-D
- 3 Two Greenfield airport projects in India are being implemented on Build Own Operate Transfer (BOOT) basis. One is at Bengaluru. Where is the other one located?
(a) Hyderabad (b) Chennai
(c) Kolkata (d) Mumbai
- 4 Match List-I with List-II and select the correct answer using the code given below the lists:

<u>List-I (Institute of Indian Systems of Medicine)</u>		<u>List-II (Location)</u>
I. Natinal Institute of Unani Medicines	(A)	Kolkata
II. National Institute of Homoeopathy	(B)	Jaipur
III. National Institute of Ayurveda	(C)	Chennai
IV. National Institute of Siddha	(D)	Bengaluru

Codes:
(a) I-D, II-B, III-A, IV-C (b) I-C, II-A, III-B, IV-D
(c) I-D, II-A, III-B, IV-C (d) I-C, II-B, III-A, IV-D
- 5 Consider the following statements
I. Currently three waterways have been declared as the National Waterways of India.
II. The Sadiya-Dhubri stretch of river Brahmaputra is the longest National Waterway.
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
- 6 Consider the following statements:
I. BIMSTEC (Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation) is visualized as a bridging link between ASEAN and SAARC.
II. It was formerly known as the Bangkok Agreement.
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

- 7 Who is the Chairman of Second Administrative Reforms Commission?
(a) Bimal Jalan (b) Dr. KARAN Singh
(c) M. Veerappa Moily (d) Ahmed Patel
- 8 Which one of the following is not a member of ASEAN?
(a) Cambodia (b) Malaysia
(c) Singapore (d) South Korea
- 9 Dr. C. Rangarajan Committee associated with which one of the following?
(a) Pricing and Taxation Petroleum Products
(b) Estimation of National Income
(c) Tax Structure
(d) Estimation of Money Supply
- 10 Where is the International Advanced Research Centre for Power Metallurgy and New Materials (ARCI) located?
(a) Bengaluru (b) Hyderabad
(c) Coimbatore (d) Machilipatnam
- 11 What is 'Super 301'?
(a) A name of modern computer.
(b) A new variety of wheat.
(c) American Trade Law.
(d) A new vaccine for AIDS.
- 12 Who is the Managing Director of IMF?
(a) Rodrigo Rato (b) Dominique Strauss-Kahn
(c) Daniel Vasella (d) Alberto Foutana
- 13 Which one of the following sites of the Indus Valley Civilisation had an ancient dockyard?
(a) Kalibangan (b) Lothal
(c) Rangpur (d) Harappa
- 14 How many hours of daylight does the equator experience on September equinox?
(a) 8 hours (b) 9 hours
(c) 10 hours (d) 12 hours
- 15 Which is the period covered by the recommendations of the 12th Finance Commission?
(a) Year 2004-2009 (b) Year 2005-2010
(c) Year 2006-2011 (d) Year 2007-2012
- 16 Which one of the following is not identified by Central Pollution Control Board as heavily polluting industry?
(a) Pulp and Paper (b) Sugar
(c) Tea (d) Fertilizer
- 17 Consider the following statements?
I. The Golden Quadrilateral connects the four major cities of Delhi, Mumbai, Bangalore and Kolkata.
II. The North-South Corridor will pass through Hyderabad.
- 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

- 18 Among the following, which Mughal emperor introduced the policy Sulb-i-kul?
(a) Babar (b) Humayun
(c) Akbar (d) Shahjahan
- 19 Who built the Ibadatkhana at Fetehpur Sikri?
(a) Akbar (b) Jahangir
(c) Shah Jahan (d) Aurangzeb
- 20 Malik Kafur was whose General?
(a) Balban (b) Ala-ud-din Khilji
(c) Muhammad bin Tughluq (d) Firoz Shah Tughluq
- 21 Among the following who is given the credit of carrying Jainism in South India?
(a) Subharmana (b) Indrabhuti
(c) Bhadrabahu (d) Sthulabhadra
- 22 Which one of the following is not a feature of North Indian temple architecture?
(a) Sikhara (b) Garbha Griha
(c) Gopura (d) Pradkshina
- 23 Which one of the following was the capital of Hoysalas?
(a) Malkhed (b) Dwarasamudra
(c) Somnathpur (d) Badami
- 24 What is the correct chronological order in which the following kings ruled in India?
I. Bimbisara II. Mahapadma Nanda
III. Kanishka I IV. Skandagupta
- Select the correct answer using the code given below:
Code:
(a) I-II-III-IV (b) IV-III-II-I
(c) II-III-IV-I (d) III-I-IV-II
- 25 Who of the following Revolutionaries set up the United India House of the US?
(a) Ramnath Puri and Vir Savarkar
(b) Taraknath Das and G.D.Kumar
(c) Lala Hardayar and Bhagat Singh
(d) Harnam Singh and Bhagwan Singh
- 26 With reference to Indian freedom struggle, who among the following was labeled as 'Moderate' leader in the Congress?
(a) Gopal Krishna Gokhale (b) Bipin Chandra Pal
(c) Lala Lajput Rai (d) Aurobindo Ghose
- 27 During Indian freedom struggle which one of the following happened earliest?
(a) Simon Commission (b) Gaya Session of Congress
(c) Tripuri Session of Congress (d) Gandhi-Irwin Pact
- 28 The Rani Jhansi Regiment, the Women's Regiment of the Azad Hind Fauji, was under whose command?
(a) Usha Mehta (b) Anne Mascarene
(c) Aruna Asaf Ali (d) Lakshmi Sehgal

- 29 What was the reason or ground for the British Empire to annex Sambalpur in 1850?
(a) Lack of proper governance (b) Death of its ruler without any heir
(c) Subsidiary Alliance (d) Its involvement in a conspiracy against British Rule
- 30 At which of its Session, did the Congress officially accept the 'socialistic pattern of society'?
(a) Nagpur Session of 1959 (b) Avadi Session of 1955
(c) Bombay Session of 1953 (d) Calcutta Session of 1957
- 31 Who among the following Indian freedom fighters made an attempt to estimate the per capita income of India?
(a) Gopal Krishna Gokhale (b) Feroze Shah Mehta
(c) Surendranath Banerjee (d) Dadabhai Naoroji
- 32 Which of the following vested the Secretary of State of India with supreme control over the Government of India?
(a) Pitt's India Act, 1784 (b) Government of India Act, 1858
(c) Indian Councils Act, 1861 (d) Minto-Morley Reforms, 1909
- 33 Who among the following cooperated with Raja Ram Mohun Roy in the implementation of his educational programmes?
(a) Dwakanath Tagore (b) David Hare
(c) Henri Derozio (d) William Jones
- 34 Which Philosophical system was founded by Vallabhacharya?
(a) Maharashtra Dharma (b) Shuddhadvaita
(c) Anekantavada (d) Visistadvaita
- 35 In early medieval India, what did the term Jital refer to?
(a) Weight (b) Diet
(c) Coin (d) Game
- 36 What were the ahdhis of Akbar's time?
(a) Village level money lenders (b) Village guards
(c) Cashiers working in diwani (d) Foot-soldiers in the army
- 37 With reference to Delhi Sultanate, who was the founder of Sayyid Dynasty?
(a) Khizr Khan (b) Mubarak Shah
(c) Muhammad Shah (d) Ala-ud-din Alam Shah
- 38 Which one among the following kinds of organisms resides in the roots of pulse plants to do nitrogen fixation?
(a) Bacteria (b) Fungi
(c) Protozoa (d) Virus
- 39 Cloves, used as a spice, are derived from which of the following plant parts?
(a) Seeds (b) Fruits
(c) Flower buds (d) Young leaves
- 40 In the human body, Cowper's glands form a part of which one of the following?
(a) Digestive system (b) Endocrine system
(c) Reproductive system (d) Nervous system

- 41 Which one of the following glands produces the growth hormone (Somatotropin)?
(a) Adrenal (b) Pancreas
(c) Pituitary (d) Thyroid
- 42 Which one of the following groups of animals are primates?
(a) Giraffes and Zebras (b) Kangarros and Koalas
(c) Lemurs and Lorises (d) Rabbits and Hares
- 43 Which one of the following is included in the World List of Biosphere Reserves by the UNESCO?
(a) Kinnaur Region (b) Spiti Valley
(c) Nallamalai Hills (d) Sunderbans
- 44 Consider the following statements:
I. Cigarette smoking exposes a person to benzene.
II. Benzene is a know carcinogen.
- 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
- 45 Which of the following gases is released from rice fields in the most prominent quantities?
(a) Carbon dioxide (b) Methane
(c) Carbon monoxide (d) Sulphur dioxide
- 46 Which of the following nutrients not a structural component of the plant?
(a) Nitrogen (b) Calcium
(c) Phosphorus (d) Potassium
- 47 Where is the Central Rice Research Institute located?
(a) Bengaluru (b) Kanpur
(c) Coimbatore (d) Cuttack
- 48 Dim-vision in the evening and night results from the deficiency of which one of the following?
(a) Vitamin A (b) Vitamin E
(c) Vitamin B₁₂ (d) Vitamin C
- 49 Consider the following statements:
I. Nobel Peace Prize is presented annually in Oslo by the King of Norway.
II. The Nobel laureate receives three things – a diploma, a medal and a document confirming the prize amount.
- 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
- 50 Consider the following statements:
I. India has 10 Pressurized Heavy Water Reactors (PHWRs).
II. The spent fuel from the PHWRs is reprocessed into plutonium.
III. All imported reactors are under the safeguards of the International Atomic Energy Agency (IAEA).
- Which of the statements given above is/are correct?
(a) I only (b) I only
(c) II and III only (d) I, II and III.

- 51 Who among the following won the Wimbledon Women's Tennis Championship, 2007?
(a) Amelie Mauresmo (b) Venus Williams
(c) Marion Batroli (d) Svetlana Kuznetsona
- 52 Adoor Gopalakrishnan, the recipient of Padma Vibhushan Award, 2006 is associated with which one of the following fields?
(a) Civil Services (b) Art
(c) Literature and Education (d) Social Work
- 53 Consider the following statements:
I. Dinosaurs roamed the earth during the Mesozoic era.
II. All dinosaurs and other reptiles such as Ichthyosaurus and Petro-saurus became extinct due to unknown reasons in Triassic period.
- 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
- 54 Match List I with List II and select the correct answer using the code given below the Lists:
- | <u>List-I (Celestial Body)</u> | <u>List-II (Roman God)</u> |
|--------------------------------|--|
| I. Mercury | (A) God of the Under World and Death |
| II. Pluto | (B) God of Commerce, Eloquence and Skill |
| III. Mars | (C) God of the Sea |
| IV. Neptune | (D) God of War |
- Codes:
(a) I-C, II-A, III-D, IV-B (b) I-B, II-D, III-A, IV-C
(c) I-C, II-D, III-A, IV-B (d) I-B, II-A, III-D, IV-C
- 55 The persons working in textile factories such as carpet weavers are exposed to which of the following occupational diseases?
(a) Asbestosis (b) Asthma and Tuberculosis
(c) Silicosis (d) Siderosis
- 56 What is mixed farming?
(a) Growing of several crops in a planned way.
(b) Growing Rabi as well as Kharif crops.
(c) Growing several crops and also rearing animals.
(d) Growing of fruits as well as vegetables.
- 57 Who among the following was the first European to encounter the Cacao plant, from which chocolate is made?
(a) Christopher Columbus (b) John Cabot
(c) Hernando Cortez (d) De Leon
- 58 'Misch metal' is widely used in the manufacture of which of the following?
(a) Material of car brake (b) Smoke detectors
(c) Cigarette lighters (d) Emergency lights
- 59 The 2010 Commonwealth Games will be hosted by New Delhi. Two new disciplines will be added to the games. What are they?
(a) Billiards and Kabaddi (b) Tennis and Archery
(c) Basketball and Volleyball (d) Tennis and Billiards

- 60 What is jeweller's rouge?
 (a) Ferric oxide (b) Ferrous oxide
 (c) Ferrous carbonate (d) Ferric carbonate
- 61 Consider the following statements:
 I. The Gandara art of the Peshawar Valley is known for some of the finest sculptures made in dark grey schist.
 II. The Kushanas were the first Indian Kings to have portraits of themselves made in their shrines.
 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

- 62 Match List I with List II and select the correct answer using the code given below the Lists.

<u>List-I (Name)</u>	<u>List-II (Game)</u>
I. Dola Banerjee	(A) Badminton
II. Aparna Popat	(B) Snooker
III. Anuja Thakur	(C) Chess
IV. Parmarjan Negi	(D) Archery

Codes:

- (a) I-B, II-C, III-A, IV-D (b) I-D, II-A, III-B, IV-C
 (c) I-B, II-A, III-C, IV-D (d) I-D, II-A, III-C, IV-B

- 63 Who among the following was the first Law Minister of India?
 (a) Jawaharlal Nehru (b) Maulana Abul Kalam Azad
 (c) Dr. B.R. Ambedkar (d) T. Krishnamachari
- 64 Financial distribution between the Union and the States takes place on the basis of recommendations of which one of the following?
 (a) The National Development Council.
 (b) The Inter-State Council.
 (c) The Planning Commission.
 (d) The Finance Commission.

- 65 Match List I with List II and select the correct answer using the code given below the Lists.

<u>List-I (Schedule in the Constitution of India)</u>	<u>List-II (Subject)</u>
I. Tenth Schedule	(A) Languages
II. Eighth Schedule	(B) Provisions as to disqualification on the grounds of defection
III. First Schedule	(C) Validation of certain Acts and Regulations
IV. Ninth Schedule	(D) The States

Codes:

- (a) I-D, II-C, III-B, IV-A (b) I-B, II-A, III-D, IV-C
 (c) I-D, II-A, III-B, IV-C (d) I-B, II-C, III-D, IV-A

- 66 As which one of the following does carbon occur in its purest form in nature?
 (a) Carbon black (b) Graphite
 (c) Diamond (d) Coal
- 67 In which part of the Constitution, details of citizenship are mentioned?
 (a) I (b) II
 (c) III (d) IV

- 68 Consider the following statements:
 I. Ministry of Parliamentary Affairs constitutes Consultative Committees of members of both the Houses of Parliament.
 II. The main purpose of these Committees is to provide a forum for formal discussions between the Government and Members of the Parliament on policies and programmes of the Government.
 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
- 69 Consider the following statements:
 I. The Union Executive consists of the President and the Council of Ministers with the Prime Minister as the head.
 II. The President may, by writing under his hand addressed to the Vice-President, resign his office.
 III. Executive power of the Union is vested in the Prime Minister.
 Which of the statements given above is/are correct?
 (a) I and III only (b) II and III only
 (c) I, II and III (d) II only
- 70 What does the 93rd Constitution Amendment deal with?
 (a) Inclusion of Bodo, Dogri, Maithili and Santhali languages in the Eighth Schedule.
 (b) Inclusion of service tax levied by Union and collected and appropriated by the Union and the States in the Seventh Schedule.
 (c) Free and compulsory education for all children between the age of 6 and 14 years.
 (d) No reservation in Panchayats needs to be made in favour of the Scheduled Castes in Arunachal Pradesh.
- 71 At which one of the following places, East-West Corridor connecting Silchar and Porbandar and North-South Corridor connecting Srinagar and Kanyakumari intersect each other?
 (a) Jhansi (b) Agra
 (c) Jabalpur (d) Nagpur
- 72 Which one of the following is not an insect-borne disease?
 (a) Beri-beri (b) Kala azar
 (c) Malaria (d) Plague
- 73 Match List I with List II and select the correct answer using the code given below the Lists
- | <i>List-I (Disease)</i> | <i>List-II (Part of Human Body Affected)</i> |
|-------------------------|--|
| I. Conjunctivitis | (A) Eyes |
| II. Dermatitis | (B) Joints |
| III. Gout | (C) Skin |
| IV. Meningitis | (D) Spinal Cord |
- Codes:
 (a) I-B, II-D, III-A, IV-C (b) I-A, II-C, III-B, IV-D
 (c) I-B, II-C, III-A, IV-D (d) I-A, II-D, III-B, IV-C
- 74 Which of the following parts of blood carry out the function of body defence?
 (a) Red blood cells (b) White blood cells
 (c) Platelets (d) Haemoglobins

- 75 Where is the National Institute of Nutrition located?
(a) Bengaluru (b) Hyderabad
(c) Mysore (d) Pune
- 76 Which of the following is a rich source of energy?
(a) Protein (b) Lipid
(c) Carbohydrate (d) Vitamin
- 77 In a human body, what is the number of cervical vertebrae?
(a) 5 (b) 7
(c) 8 (d) 12
- 78 The terms Lubb and Dubb relate to which one of the following?
(a) Heart (b) Eyes
(c) Teeth (d) Lungs
- 79 In normal adult human, what is the rate of heartbeat per minute?
(a) 72-80 (b) 70-75
(c) 80-97 (d) 82-87
- 80 Which one of the following is considered as the easily digestible source of protein?
(a) Egg albumin (b) Soyabean
(c) Fish flesh (d) Red meat
- 81 Which of the following plants is not capable of manufacturing own food?
(a) Algae (b) Mushroom
(c) Carrot (d) Cabbage
- 82 Which one of the following peaks is the highest?
(a) Nanda Devi (b) Kanchenjunga
(c) Godwin Austen (d) Nanga Parbat
- 83 Which of the following is the correct order in which the following cities are located from West to East?
(a) Alwar-Gorakhpur-Ranchi Bhagalpur
(b) Bhagalpur-Ranchi-Alwar-Gorakhpur
(c) Ranchi-Alwar-Bhagalpur-Gorakhpur
(d) Gorakhpur-Bhagalpur-Ranchi-Alwar
- 84 Which one of the following pairs is correctly matched?
Country Currency
(A) Myanmar Baht
(B) Thailand Kyat
(C) Cambodia Riel
(D) Vietnam Rupiah
- 85 Which waterway separates India from Sri Lanka?
(a) Eight Degree Channel (b) Palk Strait
(c) Ten Degree Channel (d) Andaman Sea
- 86 Which one of the following countries is not a UN member country?
(a) Greece (b) Taiwan
(c) Portugal (d) Australia

- 87 Consider the following statements:
The South-West Monsoon originates in India due to
- I. low pressure in the Punjab plain.
 - II. high pressure in areas South of India.
 - III. equatorial low being filled up by descending air current.
 - IV. the Himalayas
- Which of the statements given above is/are correct?
- (a) I and IV only (b) I and II only
(c) I and III only (d) II and IV only
- 88 Which one of the following iron and steel plants was established with the British collaboration?
- (a) Bhilai (b) Rourkela
(c) Bokaro (d) Durgapur
- 89 Which of the following divides India into Northern and Southern parts?
- (a) Equator (b) Tropic of Cancer
(c) Tropic of Capricorn (d) Arctic Circle
- 90 Which one of the following is the oldest oil refinery in India?
- (a) Haldia (b) Koyali
(c) Digboi (d) Mathura
- 91 Which one of the following diagrams shows the direction and duration of wind?
- (a) Cartogram (b) Climogram
(c) Ergograph (d) Star diagram
- 92 June 21 is the longest day of the year for those living in the Northern hemisphere. What is the shortest day of the year for those living in the Southern hemisphere?
- (a) March 21 (b) September 21
(c) December 21 (d) June 21
- 93 Which one of the following countries is not a founder member of OPEC?
- (a) Algeria (b) Kuwait
(c) Iraq (d) Iran
- 94 Bar is a unit of which one of the following?
- (a) Force (b) Energy
(c) Pressure (d) Frequency
- 95 With which one of the following countries, India shares maximum length of the border?
- (a) Bangladesh (b) Energy
(c) Pressure (d) Frequency
- 96 Consider the following statements:
- I. Doris Lessing becomes the oldest person to win the Nobel Prize in Literature (2007).
 - II. She is a school dropout.
 - III. Jane Moor is the pseudonym of Doris Lessing.
- Which of the statements given above is/are correct?
- (a) I only (b) I and II only
(c) II and III only (d) I, II and III

- 97 Liberhan Commission has been appointed to deal with which one of the following?
(a) Anti-Sikh Riots, 1984 (b) Demolition of Babri Masjid
(c) Godhra Incident (d) Mumbai Communal Riots
- 98 Which one of the following industries is not recommended by Investment Commission as National Thrust Area?
(a) Tourism (b) Information Technology
(c) Agro-processing (d) Textiles
- 99 The Kyoto Protocol commits the developed nations, including economies in transition to reduce emissions of greenhouse gases by which one of the following during the years 2008-2012?
(a) An average of four per cent below 1990 levels.
(b) An average of five per cent below 2000 levels.
(c) An average of 4.2 per cent below 2000 levels.
(d) An average of 5.2 per cent below 1990 levels.
- 100 According to the provisions of the Fiscal Responsibility and Budget Management (FRBM) Act, 2003 and FRBM Rules, 21004, the Government is under obligation to present three statements before the Parliament along with the Annual Budget. Which one of the following is not one of them?
(a) Macroeconomic Framework Statement.
(b) Fiscal Policy Strategy Statement.
(c) Medium-term Fiscal Policy Statement.
(d) Statement showing Short-term Fiscal Policy.
- 101 What is an ECO-MARK?
(a) A scheme for labeling pollution free industrial unit.
(b) A scheme for labeling environment friendly consumer product.
(c) A cost-effective production technique.
(d) An international certification recognizing eco-friendly building.
- 102 Which among the following is the oldest Board under the Department of Commerce?
(a) The Rubber Board (b) The Tea Board
(c) The Coffee Board (d) The Tobacco Board
- 103 Which one of the following pairs is not correctly matched?
(a) Fiat : Italy
(b) Nissan : Japan
(c) Toyota : Japan
(d) Hyundai : Germany
- 104 Consider the following statements:
I. At the time of independence, the Government of India followed the calendar based on Saka era.
II. The National Calendar commenced on Chaitra 1 Saka, 1879 corresponding to March 22, 1957 AD.
Which of the given statements is/are correct?
(a) I only (b) II only
(c) Both I and II (d) Neither I nor II

- 105 The Sun Temple of Konark was built by Narasimhadeva I. To which dynasty did he belong to?
 (a) Somavamsi dynasty
 (b) Imperial Ganga dynasty
 (c) Suryavamsi Gajapati dynasty
 (d) Bhoi dynasty
- 106 Consider the following events:
 I. Jallinawala Bagh Massacre.
 II. Second Civil Disobedience Movement.
 III. Congress Split at Surat.
 IV. Boycott of Simon Commission.
 Which one of the following is the correct chronological order of the above events?
 (a) III, I, IV, II (b) I, IV, II, III
 (c) IV, II, III, I (d) II, III, I, IV
- 107 The characteristic odour of Garlic is due to which one of the following?
 (a) Chlorine-containing compounds.
 (b) Flourine-containing compounds.
 (c) Nitrogen-containing compounds.
 (d) Sulphur-containing compounds.
- 108 What does airbag, used for safety of car driver, contain?
 (a) Sodium bicarbonate (b) Sodium azide
 (c) Sodium nitrite (d) Sodium peroxide
- 109 Which colour of heat radiation represents the highest temperature?
 (a) Blood red (b) Dark cherry
 (c) Salmon (d) White
- 110 Which one of the following is correct? A concrete wall generally,
 (a) only reflects sound (b) only absorbs sound
 (c) only transmits sound (d) absorbs and transmits sound
- 111 What would be the best choice for window material to keep the outside heat away?
 (a) Single-pane glass
 (b) Double-pane glass without a gap in between
 (c) Double-pane glass with water filled in between
 (d) Double-pane glass with water air in between
- 112 What is the pH value of pure water?
 (a) 1 (b) 6
 (c) 7 (d) 10
- 113 A ray of light is incident on a plane mirror at an angle 30° with the normal at the point of incidence. The ray will be deviated from its incidence direction by what angle?
 (a) 30° (b) 60°
 (c) 120° (d) None of these
- 114 Who gave the first evidence of the Big-Bang Theory?
 (a) Edwin Hubble (b) Albert Einstein
 (c) S. Chandrasekhar (d) Stephen Hawking

- 115 The density of water varies with temperature which helps the aquatic animals to live in cold water. At what temperature is the density of water maximum?
(a) 1°C (b) 2°C
(c) 3°C (d) 4°C
- 116 Why is it difficult to see through fog?
(a) Rays of light suffer total internal reflection from the fog droplets.
(b) Rays of light are scattered by the fog droplets.
(c) Fog droplets absorb light
(d) The refractive index of fog is extremely high.

Directions Q. 117-120: Each of the next four items consists of two statements, one leveled as Assertion (A) and the other as Reason (R). You are to examine these two statements carefully and select the answer to these items using the code given below:

Codes:

- (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 the correct explanation of A.
(C) A is true but R is false.
(D) A is false but R is true.

- 117 Assertion (A) : Steam is more harmful for human body than the boiling water in case of burn.
Reason (R) : Boiling water contains more heat than steam.
- 118 Assertion (A) : Red blood cells burst when placed in water.
Reason (R) : Due to osmosis, water enters into red blood cells.
- 119 Assertion (A) : The percentage of the earth's surface covered by India is 2.4 per cent.
Reason (R) : On the Mercator's map of the world, India is shown much smaller than Canada.
- 120 Assertion (A) : An award made by a Lok Adalat is deemed to be a decree of a civil court.
Reason (R) : Award of Lok Adalat is final and binding on all parties, and no appeal lies against there to before any court.

Answer Key

1. (c)	21. (c)	41. (c)	61. (a)	81. (a)	101. (b)
2. (a)	22. (c)	42. (c)	62. (b)	82. (c)	102. (c)
3. (a)	23. (b)	43. (d)	63. (c)	83. (a)	103. (d)
4. (c)	24. (a)	44. (c)	64. (d)	84. (c)	104. (c)
5. (a)	25. (b)	45. (d)	65. (b)	85. (b)	105. (b)
6. (d)	26. (a)	46. (d)	66. (c)	86. (b)	106. (a)
7. (c)	27. (b)	47. (d)	67. (b)	87. (a)	107. (d)
8. (d)	28. (d)	48. (a)	68. (c)	88. (d)	108. (b)
9. (a)	29. (b)	49. (c)	69. (c)	89. (b)	109. (a)
10. (b)	30. (b)	50. (b)	70. (c)	90. (c)	110. (b)
11. (a)	31. (d)	51. (b)	71. (a)	91. (b)	111. (d)
12. (a)	32. (b)	52. (b)	72. (a)	92. (d)	112. (c)
13. (b)	33. (a)	53. (a)	73. (b)	93. (d)	113. (c)
14. (d)	34. (b)	54. (d)	74. (c)	94. (c)	114. (a)
15. (b)	35. (c)	55. (b)	75. (b)	95. (a)	115. (d)
16. (c)	36. (d)	56. (c)	76. (c)	96. (b)	116. (b)
17. (c)	37. (a)	57. (a)	77. (b)	97. (b)	117. (c)
18. (c)	38. (a)	58. (c)	78. (a)	98. (a)	118. (a)
19. (a)	39. (c)	59. (b)	79. (a)	99. (d)	119. (b)
20. (b)	40. (c)	60. (a)	80. (b)	100. (d)	120. (a)