

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

T.B.C. : P-DQG-J-HB

Test Booklet Series

Serial No. 096569

TEST BOOKLET

GENERAL ABILITY AND INTELLIGENCE

A

Time Allowed : Two Hours

Maximum Marks : 250

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains 125 items (questions). Each item is printed both in Hindi and English. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. All items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. Penalty for wrong answers :
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third (0.33)** of the marks assigned to that question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

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1. Consider the following statements with respect to Pulitzer Prizes :

1. The Pulitzer Prize Gold Medal is awarded each year to the American newspaper that wins the Public Service category.
2. The Pulitzer Prize Gold Medal is never awarded to an individual.
3. Jhumpa Lahiri won the Pulitzer Prize in the year 2000 for her first book; a short story collection called *The Interpreter of Maladies*.

Which of the statements given above is/are correct ?

- (a) 1, 2 and 3
- (b) 1 only
- (c) 2 and 3 only
- (d) 1 and 3 only

2. Which one of the following is correct with respect to *Pawan Hans* ?

- (a) It is a fighter aircraft operational with the Indian Air Force
- (b) It is India's one of the leading helicopter service provider
- (c) It is a wind energy plant located in Himachal Pradesh
- (d) It is a mountain peak situated at the Kargil region

3. Consider the following statements about Nuclear Suppliers Group (NSG) :

1. The NSG guidelines are implemented by each participating government in accordance with its national laws.
2. The NSG guidelines facilitate the development of nuclear trade.
3. South Africa is the only country from Africa in the NSG.

Which of the statements given above is/are correct ?

- (a) 1 only
- (b) 2 and 3 only
- (c) 1, 2 and 3
- (d) 1 and 2 only

4. Which of the following statements is/are *not* correct about the historic Stilwell road ?

1. It connects India and Myanmar through Arunachal Pradesh.
2. It was built by the Japanese during the World War II.
3. The road lies in the lands of three different countries—China, Myanmar and India.

Select the answer using the code given below :

- (a) 1 and 2
- (b) 2 only
- (c) 1 and 3
- (d) 2 and 3

5. Consider the following paragraph :

With origins shrouded in mystery, the dancers of this classical form of dance of India communicate inner emotions and themes through cadences of body flexions, movements and kinetic suggestions. Three styles of this form of dance exist, originating from the three different regions of Seraikela (Jharkhand), Purulia (West Bengal), and Mayurbhanj (Orissa). Martial movements, strong rhythmic statements and dynamic use of space are characteristic of this dance form. The dance is an excellent culmination of enormous vitality and virility. As it is difficult to dance for long with a mask, the dance does not last more than 7–10 minutes.

The above paragraph may be attributed to which one of the following dance form ?

- (a) Jatra
- (b) Chhau
- (c) Garba
- (d) Cheraw

6. Which one of the following is *not* a function of Reserve Bank of India ?
- Banker to the government
 - Keeping foreign exchange reserve
 - Issuing of one rupee coin and note
 - Regulating credit in the country

7. Consider the following paragraph about a famous autobiographical narrative :

It was first published in 1995 when the author was elected the first African-American President of the Harvard Law Review, the law journal. It tells the story of the life of the author up to his entry in the Harvard Law Review. The author's parents separated when he was two years old. In that book he formed an image of his absent father from the stories told by his mother and her parents.

Who is the author of the memoir ?

- Nelson Mandela
 - Martin Luther King
 - Benjamin Banneker
 - Barak Hussain Obama
8. Which one of the following is the correct chronological order of holding of the Grand Slam tennis tournaments every year ?
- US Open—French Open—Australian Open—Wimbledon
 - Australian Open—French Open—Wimbledon—US Open
 - French Open—Australian Open—US Open—Wimbledon
 - Wimbledon—French Open—US Open—Australian Open

9. Which one of the following statements about Dr. Manmohan Singh is *not* correct ?

- Dr. Manmohan Singh is the first Indian Prime Minister to return to power after completing a full five-year term.
- He was the Union Minister of Finance during the tenure of then-Prime Minister P.V. Narasimha Rao.
- He was the Governor of Reserve Bank of India and thereafter the Deputy Chairman of Planning Commission.
- From 1998 to 2004, he was the Leader of the Opposition in the Rajya Sabha.

10. Match List-I (Chairperson of the Working Group constituted by the Planning Commission in the context of formulation of the Eleventh Five Year Plan) with List-II (Working Group on) and select the correct answer using the code given below the lists :

List-I (Chairperson)	List-II (Working Group on)
A. Prof. D.L. Seth	1. Empowerment of Scheduled Castes
B. Prof. S.K. Thorat	2. Empowerment of Minorities
C. Shri S. Sankaran	3. Empowerment of the other backward classes
	4. Empowerment of Scheduled Tribes

Code :

- | | A | B | C |
|-----|---|---|---|
| (a) | 4 | 3 | 2 |
| (b) | 1 | 4 | 3 |
| (c) | 3 | 1 | 4 |
| (d) | 3 | 2 | 4 |

11. Consider the following statements about Employees' State Insurance (ESI) Act, 1948 :

1. The Act is applicable to non-seasonal factories using power and employing 20 or more persons.
2. The ESI Scheme has already been implemented in different areas in all the States/Union Territories of India.
3. ESI Scheme being contributory in nature, all the employees in the factories or establishments to which the Act applies shall be insured.

Which of the statements given above are correct ?

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

12. From the paragraph given below identify the temple referred to :

Situated on the serene surrounding on the bank of river Mahanadi, this temple is one of the wonders of the medieval period and draws attention of several devotees, tourists, and researchers from all around the world. The temple does not stand upright and is tilted towards one side. Another attraction of the temple is *Kudo* fish for which special offerings are made.

- (a) Muktesvara temple
- (b) Huma temple
- (c) Cuttack chandi temple
- (d) Lingaraj temple

13. Consider the following statements with respect to recent developments in infrastructure sector in India :

1. India Infrastructure Finance Company Limited was set up as a banking company for providing long-term loans for financing infrastructure projects.
2. 100 per cent Foreign Direct Investment under automatic route is permitted for all infrastructure projects.

Which of the statements given above is/are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

14. Which of the following statements about 'Ujjawala', a comprehensive scheme for the prevention of trafficking, rescue and rehabilitation of women and child victims is *not* correct ?

- (a) It consists of certain mechanisms for the reintegration and repatriation of victims including cross border victims
- (b) This scheme is being implemented by various non governmental organizations to provide direct aid and benefit to victims of trafficking
- (c) The scheme has four components, viz. Prevention, Rescue, Rehabilitation and Repatriation
- (d) The scheme is designed to liberate victims of commercial sexual exploitation

15. Consider the following paragraph on Indian painting :

Women are mainly engaged in the creation of these paintings. These paintings do not depict mythological characters or images of deities, but depict social life. Images of human beings and animals, along with scenes from daily life are created in a loose rhythmic pattern. Painted white on mud walls, they are pretty close to pre-historic cave paintings in execution and usually depict scenes of human figures engaged in activities like hunting, dancing, sowing and harvesting. Stylistically, they can be recognized by the fact that they are painted on an austere mud base using one color, white, with occasional dots in red and yellow. This colour is obtained from grounding rice into white powder.

The paragraph given above characterizes which one of the following folk and art form of India ?

- (a) Tanjore art
(b) Madhubani painting
(c) Warli folk painting
(d) Pattachitra painting
16. Match List-I with List-II and select the correct answer using the code given below the lists :

List-I
(Defence Term)

- A. Arsenal
B. Battery
C. Conscription
D. Dogfight

List-II
(Explanation)

1. An aerial duel between two or more aircrafts at a close range
2. Compulsory recruitment of personnel for service in the armed force
3. A unit of number of artillery guns, mobile or fixed
4. Place where arms and ammunition are manufactured and stored

Code :

- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 1 | 2 | 3 | 4 |
| (b) | 4 | 3 | 2 | 1 |
| (c) | 1 | 3 | 2 | 4 |
| (d) | 4 | 2 | 3 | 1 |

17. Ratan Thiyam, the famous personality from Manipur, is known for his work in the field of :

- (a) Sports
(b) Music
(c) Theatre
(d) Social reform

18. Consider the following paragraph and identify with the help of the code given below the dance technique referred to in the paragraph :

Originally known as the "backslide" or "walking on your toes" is a dance technique that presents the illusion of the dancer being pulled backwards while attempting to walk forward. A break dancing move, it became popular around the world after Michael Jackson executed it during a performance in 1983. It subsequently became his signature move, and is now one of the best-known dance techniques in the world.

Code :

- (a) Vaganova
(b) Cecchetti
(c) Moonwalk
(d) Jazz

19. Which one of the following statements about BRIC is *not* correct ?

- (a) In the year 2009 the leaders of the BRIC countries held their first summit in Yekaterinburg
(b) According to Goldman Sachs, the global investment banking and securities firm, the economic potential of BRIC is such that they may become among the four most dominant economies by the year 2050
(c) BRIC countries suggests for the Doha round to be accelerated in order to find compromise solutions for radical reductions for multibillion dollar subsidies in the agricultural sector
(d) Brazil, Russia, India and Canada are the members of BRIC

20. Which among the following was given the gold medal in the National Award for e-Governance, 2008-09 in the innovative usage of technology in e-Governance category ?
- "Jaankari", Government of Bihar, DAR & PG, Patna
 - "E-CITY" Ahmedabad Municipal Corporation, e-Governance Department, Ahmedabad, Gujarat
 - "Sujala Watershed Project", Government of Karnataka, Watershed Development Department, Bangaluru
 - "Fire Alert and Messaging System", Government of Madhya Pradesh, Forest Department, Bhopal
21. There are 12 major ports in India and Port Trust Boards have been setup for the administration, control and management of 11 of these 12 ports. Which one of the following major ports has been incorporated as a company under the Indian Companies Act, 1956 and not administered by a Port Trust Board ?
- Haldia
 - Paradip
 - Ennore
 - Kandla
22. Consider the following statements :
1. According to IFC/World Bank Doing Business Report, 2009 India is the most difficult country to enforce contracts in a court or otherwise.
 2. According to the UNIDO Report, 2009 in the Competitive Industrial Performance Index India is ahead of China.
- Which of the statements given above is/are correct ?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
23. Which one of the following statements about Sukhoi-30MKI fighter aircraft is *not* correct ?
- It is a twin cockpit multi-role all-weather fighter aircraft
 - It has air-to-air refuelling capability
 - The aircraft being manufactured by Hindustan Aeronautics Limited (Nasik)
 - Pune is the latest base for these most potent combat aircraft of the Indian Air Force
24. Consider the following paragraph and using the code given below identify the state referred to in the paragraph :
- The state has huge potential in carbon trading, thanks to its vast forest reserve. Nearly 88 per cent area of the state is covered by forest, against the national average of 33 per cent. In the North-East India, this is the first state to take initiative in carbon trading.
- Code :
- Mampur
 - Arunschal Pradesh
 - Mizoram
 - Nagaland
25. Which among the following countries is ranked 1st in the Global Peace Index, 2009 ?
- Denmark
 - Norway
 - New Zealand
 - Austria

26. Consider the following statements about Ustad Ali Akbar Khan, who died in June, 2009 :

1. He was a Sarod maestro.
2. He belonged to the *Maihar Gharana* of classical Hindustani music.

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

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

27. Which one of the following is the theme for International Day for Biodiversity in the year 2009 ?

- (a) Biodiversity and Poverty Alleviation
- (b) Biodiversity : Food, Water and Health for All
- (c) Biodiversity and Climate Change
- (d) Biodiversity and Invasive Alien Species

28. Match List-I with List-II and select the correct answer using the code given below the lists :

List-I

List-II

(Phone Brand)

(Brand Slogan)

- | | |
|--------------|----------------------|
| A. Nokia | 1. Be inspired |
| B. Samsung | 2. Next is what ? |
| C. Panasonic | 3. Connecting people |
| D. Siemen's | 4. Ideas for life |

Code :

- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 3 | 4 | 2 | 1 |
| (b) | 1 | 2 | 4 | 3 |
| (c) | 3 | 2 | 4 | 1 |
| (d) | 1 | 4 | 2 | 3 |

29. Consider the following paragraph and identify with the code given below the town with which the paragraph is associated :

It is basically a traditional centre for cotton. The town accounts for the bulk of India's cotton knitwear exports to all over the world. The Noyyal river runs all across the town, virtually dividing it into two halves.

Code :

- (a) Guntur (Andhra Pradesh)
- (b) Tirupur (Tamil Nadu)
- (c) Erode (Tamil Nadu)
- (d) Subarnpur (Orissa)

30. Who is Richard Halbrooke ?

- (a) Producer and Director of Hollywood movies
- (b) US special envoy on Afghanistan and Pakistan
- (c) US ambassador to India
- (d) IIN observer for overseeing the rehabilitation process of displaced Tamils in Sri Lanka

31. Which one of the following statements about Nandan Nilekani is *not* correct ?

- (a) He is the co-founder of Infosys Technologies Limited
- (b) He wrote a book, titled "Imagining India" in which he passionately called for governmental and cultural reforms
- (c) Recently he is appointed as the Member of the Planning Commission of India
- (d) He is given the rank of Cabinet Minister in July, 2009

32. Consider the following statements about former Australian cricketer Steve Waugh :
1. He is the author of the book "True Colours : My Life".
 2. He is deeply influenced by the deeds of Mother Teresa.
 3. He is working for the cause of the children afflicted by leprosy in India.
- Which of the statements given above is/are correct ?
- (a) 2 and 3 only
 - (b) 1 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
33. Which one of the following is *not* a World Heritage Site ?
- (a) Kaziranga National Park
 - (b) Sunderbans National Park
 - (c) Kanchenjunga National Park
 - (d) Keoladeo National Park
34. Consider the following statements about the End Use Monitoring Agreement (EUMA) signed between USA and India in July, 2009 :
1. It clears the way for the sale of US military equipment to India.
 2. It allows the US to verify whether India is using the weapons purchased from USA for the stated purpose
 3. It restricts India to pass on the US military technology to any country other than Afghanistan (till US forces are there)
- Which of the statements given above is/are correct ?
- (a) 1 only
 - (b) 1 and 2 only
 - (c) 2 and 3 only
 - (d) 1, 2 and 3
35. In May 2008, the Supreme Court of India laid down six parameters to make the police effective, accountable and insulated from political interference and set up a monitoring committee to ensure that states implement police reforms. Which one of the following is *not* a directive of the apex court in this regard ?
- (a) Setting up of a state security commission in every state to ensure that the state government did not exercise unwarranted influence or pressure on the state police
 - (b) Selection of state's director general of police would be from "amongst the three senior most officers"
 - (c) Fixing a minimum tenure of five years for police officers on operational posts unless they face disciplinary proceedings or were convicted in a criminal offence
 - (d) Setting up a separate investigation police force to ensure that criminal cases are prosecuted effectively
36. Contamination of mustard oil has led to several outbreaks of Epidemic Dropsy in India. Which one of the following contaminant is responsible for it ?
- (a) Automobile oil
 - (b) Linseed oil
 - (c) Argemone oil
 - (d) Rapeseed oil
37. A farmer sows beans in his fields after harvesting a crop of wheat. Which one of the following agricultural practice is he following ?
- (a) Multiple cropping
 - (b) Crop rotation
 - (c) Fallow field
 - (d) Mixed cropping

38. Aquatic animals breathe much faster than terrestrial animals because of :
- low amount of dissolved oxygen in water
 - low amount of hemoglobin in their blood
 - high metabolic rate of aquatic animals
 - large amount of dissolved nitrogen in water
39. Which of the following is *not* true about Giant Panda ?
- It is a logo of WWF (Worldwide Fund for Nature)
 - Giant Pandas are naturally found in Tibet and Southwest China
 - Giant Pandas are worst invasive species of the world
 - Giant Pandas feed on Bamboos
40. Which one of the following statements is *not* correct about "Flavr Savr" tomatoes ?
- It is genetically engineered
 - Its ripening process is slow
 - The fruit cannot be left on the plant for a long period
 - They have increased yield and better flavour
41. Which one of the following statements is *not* correct about Biosphere Reserves ?
- They are protected areas meant for conservation of Biodiversity
 - Each Biosphere reserve has three zones
 - There is a network of biosphere reserves world over
 - They were first started by IUCN (International Union for Conservation of Nature and Natural Resources)
42. Which one of the following chemicals is an artificial sweetener prescribed to diabetic persons ?
- Aspartame
 - Glucose
 - Sucrose
 - Maltose
43. Villagers in some parts of India use the water extract of the ash obtained by burning banana plant as a substitute of soda. Which one of the following is the major active component in the extract ?
- Sodium Carbonate
 - Potassium Carbonate
 - Calcium Oxide
 - Magnesium Oxide
44. Match List-I with List-II and select the correct answer using the code given below :
- | <i>List-I</i>
(Process) | <i>List-II</i>
(Contaminant) |
|--|---------------------------------|
| A. Aeration followed by filtration | 1. Removal of colour |
| B. Reverse Osmosis | 2. Removal of microorganism |
| C. Filtration through activated carbon | 3. Removal of iron |
| D. Treatment with UV light | 4. Removal of excess salts |
- Code :**
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 3 | 1 | 4 | 2 |
| (b) | 4 | 3 | 2 | 1 |
| (c) | 3 | 4 | 1 | 2 |
| (d) | 2 | 4 | 1 | 3 |

45. In some parts of India, consumption of underground water causes mottled teeth and bone damage. Which one of the following is responsible for this malady ?
- Fluoride ion
 - Chloride ion
 - Oxide ion
 - Carbonate ion
46. Sometimes, the consumption of local made alcoholic beverages may cause blindness or even death. This may be because of contamination of the beverages with :
- Vinegar
 - Carbolic acid
 - Methyl alcohol
 - Formic acid
47. Which one of the following lenses would you prefer to use while reading very small letters printed on a label ?
- Convex lens of large focal length
 - Concave lens of large focal length
 - Convex lens of small focal length
 - Concave lens of small focal length
48. The explanation of, why we get thrown back with a jerk when the stationary bus we are sitting in starts moving forward is given by :
- Zeroth law of gravity
 - Newton's first law
 - Newton's second law
 - Newton's third law
49. Which among the following is *not* true about the Swadeshi movement ?
- It had a wider popular appeal than any other political agitation that preceded it
 - It enlisted the support of the Muslim masses
 - It had an economic character
 - The Swadeshi movement was supported by a section of the radical press in England
50. Which Reformer does the following passage relate to ?
- "He insisted on the cooperation of the Muslims with the British Government and looked at all political movements with distrust. Thus, when the Indian National Congress was formed, he opposed it. He regarded education and education alone as the means of national progress."
- Select the correct answer using the code given below :
- Keshab Chandra Sen
 - Lord Macaulay
 - Sir Syed Ahmad Khan
 - Badriddin Tyabji

51. Consider the following statements about the press and literature in Colonial India :

1. The print media enabled the nationalists living in different parts of the country to exchange views with one another.
2. The British rulers were prepared to tolerate the nationalist criticism of their rule.
3. The Vernacular Press Act (1878) evoked a nationwide protest against the encroachment on freedom of expression.

Which of the statements given above is/are correct ?

- (a) 1 and 3
- (b) 2 and 3
- (c) 2 only
- (d) 1 and 2

52. Consider the following statements :

1. The Indian cities like Dacca, Murshidabad and Surat were known all over the world as centers of trade and industry in the pre-colonial period.
2. Such centers of trade and industry went down in the face of foreign competition in the colonial period.
3. Indian artisans, manufacturers and weavers were provided alternative employment by the British Indian government after the decline of these centers of trade.

Which of the statements given above is/are *not* correct ?

- (a) 1 and 2
- (b) 2 and 3
- (c) 3 only
- (d) 1 only

53. Consider the following statements relating to the *Bhakti* Movement :

1. The Bhakti and Sufi Saints gradually brought about a better understanding of the fundamental tenets of Hinduism and Islam, underlining the fact that they had a great deal of similarity.
2. The Bhakti and Sufi Saints also brought about important changes in the approach to religion, laying greater emphasis on formal observances and rituals.
3. They also contributed to the growth of regional languages and literature.

Which of the statements given above is/are *not* correct ?

- (a) 1 and 2
- (b) 2 only
- (c) 2 and 3
- (d) 3 only

54. Consider the following observations relating to the reign of the Mughal Emperor Akbar :

1. Akbar strengthened his control on the nobility and the army by introducing the mansabdari system.
2. Under the mansabdari system, every officer was assigned a rank (mansab).
3. The ranks were divided into three : zat, sawar and chehra.

Which of the above statements is/are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1 and 2
- (d) 1 and 3

55. Which among the following was *not* a demand of Mahatma Gandhi to the Government as a condition of settlement before he launched the Non-cooperation movement ?
- The Government should withdraw the Rowlatt Act
 - The Government should express regret for the massacre at Jallianwala Bagh
 - The British government should behave leniently with Turkey
 - The Government should put a better scheme of reforms **than that of the Act of 1919**
56. The 'Motorana' and the 'kathiana' referred to :
- markets where peasants brought their produce
 - taxes levied by *zamindars* on their peasants
 - rent paid by peasants for the use of the motorcar or the elephant of the *zamindar*
 - the nickname for those *zamindars* who possessed a motorcar or an elephant
57. Which of the following ideas was/were shared by Raja Rammohan Roy and Rabindranath Tagore ?
- Internationalism
 - Opposition to idol worship
 - Faith in rational and scientific approach
 - All the above
58. The Hindustan Republican Association was founded to :
- Set up a republican government in Hindustan
 - Organize armed rebellion in India
 - Persuade the Indian people to participate in elections
 - Encourage the Indian youth on to the path of socialism
59. Consider the following statements about Indian trade and commerce in the medieval period :
- India exported cotton piece goods to the wider world in the medieval period.
 - India received gold and silver from the wider world in lieu of her cotton goods.
 - India also supplied raw materials to the European industries in the medieval period.
- Which of the statements given above is/are correct ?
- 1 and 2
 - 1 only
 - 2 and 3
 - 3 only
60. Which of the following statements about *Bhadrabahu* is/are correct ?
- He was a Jain Saint.
 - He was spiritual teacher of *Chandragupta Maurya*.
- Select the correct answer using the code given below :
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2

61. In Buddhist principle, the performance of *Sila* and the achievement of *Samadhi* and *Prajna* lead to *Nirvana*. What does this *Sila* stand for ?

- (a) Mental control
- (b) Physical control
- (c) Development of insight
- (d) Strict penance

62. *Agnimitra*, the hero of Kalidasa's *Malavikagnimitra* belonged to :

- (a) Sunga dynasty
- (b) Kanva dynasty
- (c) Satvahana dynasty
- (d) Gupta dynasty

63. Ministry of Women and Child Development adopted the Mission statement of 'Budgeting for Gender Equality' in 2004-05. In this context which of the following statement/statements is/are correct ?

1. It calls for incorporating a gender perspective at all levels and stages of the budgetary process.
2. It stands for providing safe shelter to displaced women.

Select the correct answer using the code given below :

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

64. The National Legal Services Authority (NALSA) has been constituted under the Legal Services Authorities Act, 1987. In this context which of the following statements is *not* correct ?

- (a) Hon'ble Chief Justice of Supreme Court is the Executive Chairman of the Authority
- (b) Its objective is to provide free and competent legal services to the weaker sections of the society on the basis of equal opportunity
- (c) It issues guidelines for the State Legal Services Authorities to implement the legal programmes and schemes throughout the country
- (d) To organize Lok Adalats for amicable settlement of disputes

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

List-I (Commission)	List-II (Issue)
A. Dar Commission	1. Assassination of Indira Gandhi
B. Kafelkar Commission	2. Ragging in educational institutions
C. Thakkar Commission	3. Demand for Linguistic States
	4. Backward Classes

Code :

- | | A | B | C |
|-----|---|---|---|
| (a) | 3 | 4 | 1 |
| (b) | 3 | 2 | 4 |
| (c) | 1 | 2 | 4 |
| (d) | 1 | 4 | 2 |

66. Which of the following provisions is/are *not* directly covered in the definition of Domestic violence under the 'Protection of Women from Domestic Violence Act, 2005' ?
- Physical harm causing physical injury or pain to women
 - Mental injury such as emotional abuse, insult, harassment, repeated threats, demand for dowry, sexual abuse etc.
 - Non-sharing of house-hold work, non-caring attitude for children, unhealthy habits of living, late coming etc. (of the male partner)
 - Deprivation of economic or financial resources
67. Which of the following movements address both sociological and ecological issues ?
- The Trade Union movements in post-colonial India
 - Narmada Bachao Andolan
 - Jai Prakash Narain's movement for total revolution
 - Chitka Bachao Andolan
- Select the correct answer using the code given below :
- 1 and 3 only
 - 2 and 4 only
 - 1, 2 and 3 only
 - 1, 2, 3 and 4
68. Which of the following is *not* a correct description of the 'zero hour' ?
- The time allotted after the Question Hour
 - Question on issues of national importance or serious grievances of the people can be raised by members of either House
 - Questions to be asked during zero hour are circulated one day in advance only
 - The justification for its origin lies in allowing for democratic discussion beyond rules and procedures
69. Which of the following statements is *not* correct ?
- Rajya Sabha can make recommendations on a money bill
 - Rajya Sabha can amend a money bill
 - Rajya Sabha can delay the passing of a money bill upto a maximum of 14 days
 - Rajya Sabha cannot reject a money bill
70. Which of the following statements are correct ?
The attorney general of India
- must have the qualifications as that required by a judge of the supreme court.
 - enjoys the same privileges and immunities as the members of Parliament
 - has the right of audience in all courts of India
 - his salaries and expenses are charged on the Consolidated Fund of India.
- Select the correct answer using the code given below :
- 1, 2 and 3
 - 1 and 2 only
 - 3 and 4
 - 2 and 4
71. Who among the following Prime Ministers of India never had to seek trust vote (vote of confidence) from the Lok Sabha ?
- Indira Gandhi
 - P.V. Narasimha Rao
 - H.D. Devegowda
 - Manmohan Singh
72. The Parliament is entitled to enact a law of preventive detention for reasons connected with :
- defence
 - foreign affairs
 - security of India
 - all the above

73. Who among the following Prime Ministers of India has *not* presented the budget ?
- Jawaharlal Nehru
 - Morarji Desai
 - Indira Gandhi
 - Rajeev Gandhi
74. Consider the following statements :
- When the inflation decreases, but still remains positive, it is deflation.
 - Deflation reduces the real value of money over time.
 - Historically not all episodes of deflation correspond with periods of poor economic growth.
- Which of the statements given above is/are correct ?
- 1, 2 and 3
 - 1 and 3 only
 - 3 only
 - 2 only
75. Which one of the following are advance grants made by the House of People in respect of the estimated expenditure for a part of the ensuing financial year, pending the regular passage of the budget ?
- Supplementary grants
 - Special grants
 - Vote on credit
 - Vote on account
76. Who among the following was the Chairman of the Committee on Financial Sector Assessment (CFSA) set up by the Government of India and the Reserve Bank of India in 2006 to undertake a complete health checkup of the country's financial sector ?
- Shri Ashok Chawla
 - Shri Ashok Jha
 - Dr. Rakesh Mohan
 - Dr. D. Subbarao
77. Which one of the following causes rainfall in the north-western parts of India during Winter Season ?
- Cyclonic depression
 - Retreating monsoon
 - Western disturbances
 - South West monsoon
78. Tidal range denotes the :
- rise of sea water and its movement toward the coast
 - fall of sea water and its movement toward the sea
 - rise and fall of sea water due to gravitational forces
 - difference between high and low tide
79. Consider the following statements :
- The Damuda series of rock system contain all the metallurgical coal in India.
 - Tamil Nadu is the chief producer of lignite coal in India.
 - Tertiary coal is mainly confined to the peninsular India.
- Which of the statements given above is/are correct ?
- 1 only
 - 2 and 3 only
 - 1 and 2 only
 - 1, 2 and 3
80. Which one of the following states of India is surrounded by Bangladesh on three sides ?
- Mizoram
 - Meghalaya
 - Tripura
 - West Bengal

81. Through which one of the following continents, do the equator, the tropic of cancer and the tropic of capricorn pass through ?
- Africa
 - South America
 - North America
 - Australia
82. The laboratory from where carbon dioxide measurements have been taken since 1958 A.D., which form the basis of present global warming data base is :
- Maragheh observatory
 - Mauna Loa observatory
 - Griffith observatory
 - Sydney observatory
83. What happens to the soil, where soil water freezes and it tends to form ice layers parallel with the ground surface ?
- It heaves the soil upward in an uneven manner
 - It heaves the soil downward in an uneven manner
 - It heaves the soil both upward and downward in an even manner
 - It remains unaffected
84. What happens to the water depth as the Tsunami wave approach the coast ?
- Decreases
 - Increases
 - Increases and decreases alternatively
 - Neither increases nor decreases
85. Consider the following statements :
- The Earth receives the Sun's energy at the infrared end of the spectrum.
 - The Earth re-radiates the Sun's heat as ultraviolet energy.
- Which of the above statements is/are correct ?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
86. Which one of the following is a planetary wind ?
- Monsoon
 - Trade
 - Chinook
 - Mistral
87. Which one of the following does *not* control climate ?
- Latitude
 - Altitude
 - Longitude
 - Forest cover
88. Which one of the following types of forests cover the largest area in India ?
- Tropical dry deciduous
 - Tropical moist deciduous
 - Tropical evergreen
 - Himalayan moist temperate
89. 'A' completes a work in 10 days, while 'B' and 'C' complete it in 12 and 15 days respectively. In how many days can 'A', 'B' and 'C' together complete the work ?
- 3
 - 4
 - 5
 - 6
90. Kamla got married 6 years ago. Today her age is $1\frac{1}{4}$ times her age at the time of marriage. Her son's age is $\frac{1}{10}$ times her present age. What is her son's age ?
- 2 years
 - 3 years
 - 4 years
 - 5 years

91. The number of times the hands of a watch are at right angle between 4 p.m. to 10 p.m. is :

- (a) 6
- (b) 9
- (c) 10
- (d) 11

92. If Saturday falls four days after today which is 6th January, on which day did the first of December of the previous year fall ?

- (a) Tuesday
- (b) Friday
- (c) Sunday
- (d) Monday

93. 'R' walks 1 km. to east and then he turns to south and walks 5 km. Again he turns to east and walks 2 km. After this he turns to north and walks 9 km. How far is he from his starting point ?

- (a) 3 km.
- (b) 4 km.
- (c) 5 km.
- (d) 7 km.

94. If WOMAN is coded as 12345 and SERVANT is coded as 6789450, then VOTERS will be coded as :

- (a) 920786
- (b) 902876
- (c) 978206
- (d) 972086

95. Which will be the next term in the following ?

KPA, LQB, MRC, NSD,

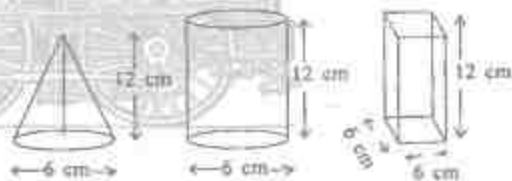
- (a) OET
- (b) OTE
- (c) TOE
- (d) EOT

96. The missing number in the following table is :

1	7	9
2	14	?
3	105	117

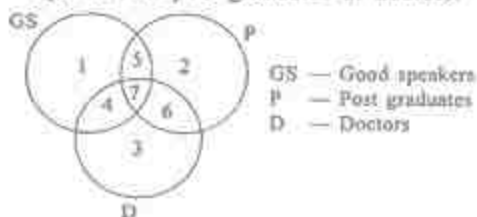
- (a) 12
- (b) 16
- (c) 26
- (d) 20

97. The following blocks are of the same material. Which is the heaviest one ?



- A
- B
- C
- (a) A
- (b) B
- (c) C
- (d) All equal

98. From the following Venn diagram identify the number of persons who are either good speakers or post graduates or doctors.



- (a) 6
(b) 7
(c) 15
(d) 22
99. A person moves along a circular path by a distance equal to half the circumference in a given time. The ratio of his average speed to his average velocity is :

- (a) 0.5
(b) 0.5π
(c) 0.75π
(d) 1.0

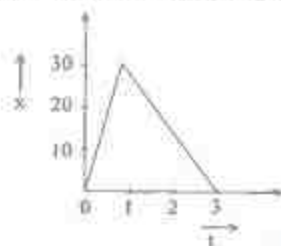
100.



A square is drawn inside the circle as shown in the figure above. If the area of the shaded portion is $32/7$ units then the radius of the circle is :

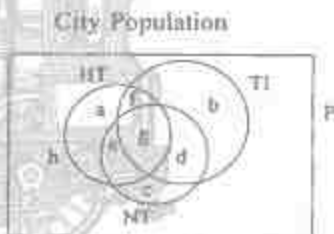
- (a) $\sqrt{2}$ units
(b) 2 units
(c) 3 units
(d) 4 units

101. The following figure shows the displacement time ($x-t$) graph of a body in motion. The ratio of the speed in first second and that in next two seconds is :



- (a) 1 : 2
(b) 1 : 3
(c) 3 : 1
(d) 2 : 1

102. The below Venn diagram shows a city population which read three popular daily newspapers Hindustan Times (HT), The Times of India (TI) and Navbharat Times (NT) :



If a person is randomly selected from the city population and it is found that he reads at least one of the three newspapers then the person belongs to which part of the population ?

- (a) g
(b) $a + b + c$
(c) $P-h$
(d) $P-g$

103.

o	oo	+	o	oo	△
	x		x		x
-	x	l	x	-	x
	x				x

Which is the next figure in the sequence given above ?



104. Consider the following :

1. Every square is a rectangle.
2. Every rectangle is a parallelogram.
3. Every parallelogram is not necessarily a square.

Which one of the following conclusions can be drawn on the basis of the above statements ?

- (a) All parallelograms are either squares or rectangles.
- (b) A non-parallelogram figures cannot be either a square or a rectangle.
- (c) All rectangles are either squares or parallelograms.
- (d) Squares and rectangles are the only parallelograms.

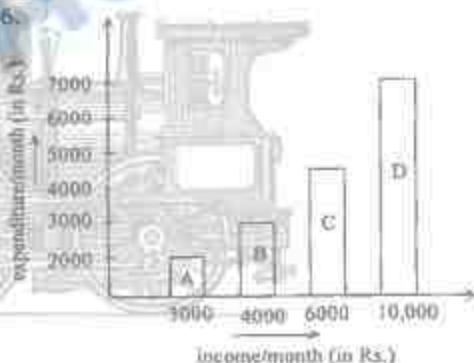
105. Distribution of work hours in a factory is shown in the below given table :

Number of workers	Number of hours worked.
20	45—50
15	40—44
25	35—39
16	30—34
04	00—29

What is the percentage of workers worked for 40 or more hours ?

- (a) 40
- (b) 25
- (c) 33.33
- (d) 43.75

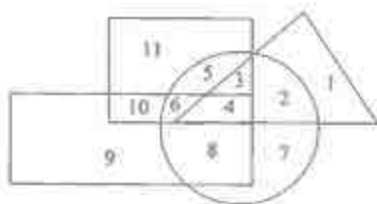
106.



From the above graph, who out of the four persons A, B, C and D, saves the least percentage of his monthly income ?

- (a) A
- (b) B
- (c) C
- (d) D

107.



In the above diagram square represents boys, circle represents the tall persons, triangle represents tennis players, and rectangle represents the swimmers. Which one of the following numbers represents tall boys who are swimmers, but don't play tennis ?

- (a) 4
(b) 3
(c) 6
(d) 5

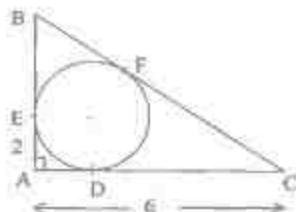
108.



The carpet area of a room with dimensions shown in the above diagram is :

- (a) 10 m^2
(b) 12 m^2
(c) 13 m^2
(d) 14 m^2

109.



In the figure given above $\angle BAC = 90^\circ$, $EA = 2$ and $AC = 6$. What is the value of BE ?

- (a) 2
(b) 4
(c) 6
(d) 10

110. 8 oranges cost as much as 5 apples, 5 apples as much as 3 mangoes, 4 mangoes as much as 8 pineapples. If 3 pineapples cost Rs. 36, then an orange's cost is :

- (a) Rs. 9
(b) Rs. 12
(c) Rs. 6
(d) Rs. 15

111. If $a \oplus b$ is defined as $a^b + b^a$, then consider :

- I $2 \oplus x = 100$
II $4 \oplus x = 145$
III $3 \oplus x = 145$
IV $6 \oplus x = 100$

For which of the above, is x smallest ?

- (a) I
(b) II
(c) III
(d) IV

112. In a test a candidate attempted only 15 questions and secured full marks in all of them. If he obtained 60% marks in the test and all the questions in the test carried equal marks, the number of questions in the test is :

- (a) 20
 (b) 25
 (c) 27
 (d) 30

113. The grandfather's age is 4 years more than nine times the age of the grandson. The father's age of 40 years is 2 years less than six times the age of his son. The age of the grandfather is :

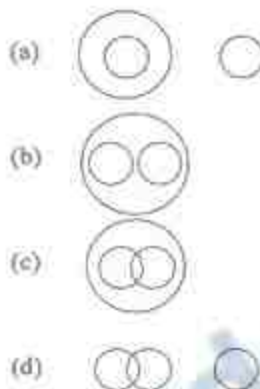
- (a) 77 years
 (b) 70 years
 (c) 67 years
 (d) 63 years

114. If $4 = 10^{2m}$ and $9 = 10^{2n}$, then 0.15 equis

to :

- (a) 10^{2m-2n}
 (b) 10^{m+n-1}
 (c) 10^{m-n+1}
 (d) 10^{m-n-1}

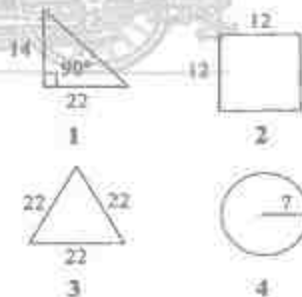
115. Among the following four diagrams, which one illustrates the relationships among citizens, voters and males ?



116. The mean age of combined group of men and women is 25 years. If the mean age of group of men is 26 and that of group of women is 21, then percentage of men and women in the group respectively is :

- (a) 60, 40
 (b) 80, 20
 (c) 30, 70
 (d) 50, 50

117. Which two figures out of the following four have the same area (with same units) ?



- (a) 1 and 3
 (b) 1 and 2
 (c) 2 and 4
 (d) 1 and 4

118. Three circles are concentric as in the diagram given below. If a fourth innermost circle is drawn, what will be the number to be inscribed there ?

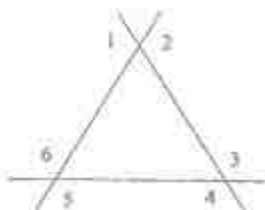


- (a) 8
(b) 7
(c) 3
(d) 1

119. The width of a rectangle is $4x$ which is only 25% of its length. What are the area and the perimeter of the rectangle respectively ?

- (a) $16x^2$ squnit and $16x$ unit
(b) $20x^2$ squnit and $40x$ unit
(c) $32x^2$ squnit and $64x$ unit
(d) $64x^2$ squnit and $40x$ unit

120. The following diagram shows a triangle with each of its sides produced both ways :



What is the sum of degree measures of the angles numbered ?

- (a) 720
(b) 540
(c) 1080
(d) 900

Directions : Each of the next FIVE (05) items consists of two statements, one labelled as the 'Assertion (A)' and the other as 'Reason (R)'. You are to examine these two statements carefully and select the answers to these items using the codes 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

121. Assertion (A) : Import of Chinese toys was recently banned by the Government of India.

Reason (R) : The plastic material used to make the toys are not biodegradable.

122. Assertion (A) : A person suffering from myopia uses a concave lens.

Reason (R) : A concave lens diverges a beam of light incident on it.

123. Assertion (A) : The "Green Belt" represents a planning concept for controlling the physical expansion of large cities.

Reason (R) : "Green Belt" is an integral component of a city.

124. Assertion (A) : In areas of intensive subsistence agriculture, animal husbandry plays an insignificant role.

Reason (R) : Throughout the region, the farmers are handicapped in raising cattle due to lack of scientific methods of breeding.

125. Assertion (A) : Nitrogen gas is used to provide inert atmosphere in chemical reaction.

Reason (R) : Nitrogen gas has a very little chemical reactivity at ordinary temperature.

