

X - GMT SAMPLE PAPER 2

Language Skills

Ques (1-3): Direction : Fill in the blank with the correct preposition.

1. Lady Sri Ram college is affiliated ____ the Delhi University.
(a) to (b) from
(c) with (d) for
(e) None of the above
2. You are requested to fill the form ____ black ink.
(a) with (b) in
(c) within (d) under
(e) None of these
3. India won the match _____.
(a) at ease (b) with ease
(c) of ease (d) by ease
(e) None of these

Ques (4-5): Direction: Choose the most appropriate alternative to complete the sentence:

4. Susan watched a movie at the theatre _____ a friend.
(a) of (b) on
(c) in (d) with
(e) None of these
5. He had been in prison _____ 2 years at the time when he was still interested in cards.
(a) at (b) in
(c) since (d) for
(e) None of these

6. **Direction:** Read the following group of sentences. The sentence numbered P,Q,R,S. Arrange these four sentences in proper order to form a meaningful paragraph/sentence.

P. Optimism is not a deep complicated philosophy. In some persons it is an inborn trait.

Q. In fact, it is always taking a positive and bright view of life.

R. It is more of a general attitude of life.

S. They are tuned that way by nature and temperament. However, in most cases it is an acquired and nurtured habit.

What is the correct sequence of the sentences?

- (a) RQPS (b) QRPS
(c) PSRQ (d) PSQR
(e) None of these

7. **Direction :** Given below are four sentences in jumbled order. Select the option that gives their correct order.

A. This flight takes place on a hot summer day.
B. It has a pair of wings but bites them off after its 'wedding' flight.
C. In the heat, the queen leaves the nest and goes out to meet a drone, high up in the air.
D. The queen is the mother of the entire population of a colony of ants.

What is the correct sequence of the sentences?

- (a) DBAC (b) BACD
(c) CABD (d) ACBD
(e) None of these

8. **Direction :** Given below are four sentences in jumbled order. Pick the option that gives their correct order.

A. Someone had been smart enough to remove it before I went on the rampage.

B. My hands had been itching to tear down that collage from my bedroom wall.

C. But I found the wall bare.

D. So, I entered my room in a hurry.

What is the correct sequence of the sentences?

- (a) DABC (b) CBAD
(c) ABCD (d) BDCA
(e) None of these

9. **Direction :** In the following question, sentences of a paragraph have been jumbled and labelled as A, B, C, and D. You are required to rearrange the jumbled sentences of the paragraph and mark your response accordingly by selecting the correct option.

A: The Bihar Legislative Assembly election will be held to elect members of the Legislative Assembly of the Indian State of Bihar.

B: Finally, he results will be announced on 10 November 2020.

C: The elections will be conducted amid the COVID-19 pandemic with the necessary guidelines issued by the Election Commission of India.

D: The election will be held in three phases for a total of 243 seats.

What is the correct sequence of the sentences?

- (a) ACDB (b) CABD
(c) DCAB (d) ADCB
(e) None of these

10. **Direction :** Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

A. But the eagle, in wrath, gave the beetle a flap of his wing, and straightaway seized upon the hare and devoured him.

B. The beetle, therefore, interceded with the eagle, begging of him not to kill the poor suppliant, and pleaded with him not to kill so small an animal.

C. When the eagle flew away, the beetle flew after him, to learn where his nest was.

D. A hare, being pursued by an eagle, took himself for refuge to the nest of a beetle, whom he begged to save him.

What is the correct sequence of the sentences?

- (a) ACDB (b) DCAB
(c) CBAD (d) DBAC
(e) None of these

Ques (11-14): Direction : In the following question, there is a certain relation between two given words on one side. Choose the suitable word to be put on the other side from the given alternatives.

11. Degenerate : Progress :: Impetuous : ?

- (a) Impulsive (b) Rash
(c) Bridled (d) Rampant
(e) None of the above

12. Forbid : Permit :: Devoid : ?

- (a) Void (b) Lacking
(c) Sans (d) Complete
(e) Coward

13. Seldom : Often :: Vague : ?
 (a) Explicit (b) Unclear
 (c) Indistinct (d) Ambiguous
 (e) Sans
14. Versatile: Multi-purpose :: Summon : ?
 (a) Call for (b) Dismiss
 (c) Order (d) Appear
 (e) Ambitious

Ques (15-19): Direction : Complete the sentence given below.

15. He expects to earn money without having any functional skills. Functional skills refer to the basic skills required to _____.
 (a) Gain wisdom in a society
 (b) Dominate in a society
 (c) Indulge in a society
 (d) Live and work in a society
 (e) None of these
16. The film's success will please the director who was rumored to have lost his magic touch. A magic touch is a phrase used to refer to _____.
 (a) A special ability to do something well
 (b) A special concern to do something well
 (c) A possibility to do something well
 (d) A delusion to do something well
 (e) None of these
17. She left the job as management was not her forte. Forte refers to _____.
 (a) An opportunity
 (b) A thing at which someone excels
 (c) A thing which is popular
 (d) A thing at which someone progresses
 (e) None of these
18. Even after independence, countries pay homage to the prisoners of war. The phrase prisoners of war is used for people who are _____.
 (a) Held captive by the enemy forces
 (b) Punished by the enemy forces
 (c) Compromised by the enemy forces
 (d) Killed by the enemy forces
 (e) None of these
19. He was labelled as an opportunist for seeking publicity at every opportunity. Opportunist is a title given to someone who tries to _____.
 (a) Announce advantage in every situation
 (b) Secure an advantage in every situation
 (c) Undermine advantage in every situation
 (d) Empower advantage in every situation
 (e) None of these

Ques (20-27): Direction : Read the following passage carefully and answer the questions given below.

Corruption in every stage of the tropical timber trade fuels deforestation, which adversely affects forest communities, leads to biodiversity loss and jeopardizes the environment. A new report by international watchdog Global Witness says that developing countries supplying timber to the European Union (EU) witness high levels of corruption. In Cambodia for instance, corruption is deep-rooted due to the existing nexus between logging companies, politicians and government

officials.

According to the United Nations Environmental Programme and INTERPOL, illegal logging tops the ranking of environmental crimes with an estimated value of US \$ 50-152 billion annually. In terms of economic value, "governments lose US \$ 10 to 15 billion annually in lost revenue" due to illegal logging, Robert Simpson, a Food and Agriculture Organization (FAO) expert, says. He blames illegal logging for undermining sustainable forest management and reducing forests' capacity to provide environmental services.

Illegal timber trade also gives rise to conflicts between local communities and logging companies, a campaigner at Global Witness told Down To Earth earlier. A June 2015 Global Witness report blamed illegal and uncontrolled logging for alleged human rights violations. Simpson adds that indigenous communities lose access rights to forests. Besides conflicts, illegal timber trade leads to biodiversity loss. Citing the example of the Democratic Republic of Congo (DRC), the 2015 report points out that logging is responsible for degrading the country's rainforests. The report adds, "...it is illegal industrial logging that is acting as a major driver of forest degradation and deforestation".

In many timber-producing countries, the government is the largest landowner and awards logging concessions and licences through public tendering processes. Such contracts concentrate power in the hands of those who award them and are highly lucrative to the companies that win them. To tackle corruption, the EU should raise the issue of corruption with producer countries, re-shape policies and strengthen the enforcement of EU timber regulation. This is imperative for conserving forests, biodiversity and climate. Last year, the Food and Agriculture Organization welcomed an agreement by Indonesia and the EU to issue the world's first Forest Law Enforcement, Governance and Trade (FLEGT) timber licence as a major achievement in the fight against illegal logging. The FLEGT license can accompany shipments of timber exported from Indonesia to EU countries to certify that the timber has been harvested, transported, processed and traded according to the Indonesian law. This is part of the EU's FLEGT Action Plan adopted in 2003 to promote measures to tackle illegal timber trade and contribute to sustainable forest management, which features in the 2030 Sustainable Development Goals.

20. A June 2015 Global Witness report blamed illegal and uncontrolled logging for:

- (a) Alleged human rights violations
 (b) Nexus between logging companies, politicians
 (c) Indigenous communities losing access rights to forests
 (d) Conflicts between local communities and logging companies
 (e) Biodiversity loss

21. According to the United Nations Environmental Programme and INTERPOL, illegal logging tops the ranking of environmental crimes with an estimated value of _____ annually.

- (a) US \$ 10-50 billion
 (b) Online Test | Testbook
 (c) US \$ 50-150 billion
 (d) US \$ 10-15 billion
 (e) US \$ 10-150 billion

22. Robert Simpson is a/an:

- (a) Expert of EU regulations
 (b) Global Witness report author
 (c) Environmentalist

- (d) INTERPOL expert
(e) Food and Agriculture Organization (FAO) expert
23. Fill the blank in the following sentence with the most meaningful sentence as per the context of the passage. Such contracts concentrate power in the hands of those who award them and are highly lucrative to the companies that win them. _____
- (a) This leads to the prosperity, particularly in those countries that is economically well-versed, Global Witness
(b) This leads to the division of the society, particularly in those countries that suffer from unemployment challenges, Global Witness says
(c) This leads to corruption, particularly in those countries that suffer from deep-rooted governance and accountability challenges, Global Witness says.
(d) This leads to economic crisis, small scale industries in particular, Global Witness says.
(e) This leads to the exploitation of poor, particularly in those countries that have diversity in culture and tradition, Global Witness says.
24. In the following sentence, correct the emboldened phrase if it is incorrect. If the phrase is correct, select 'no improvement needed' as your answer
In Cambodia for instance, **corruption is deep-rooted** due to the existing nexus among logging companies, politicians and government officials.
- (a) Within (b) Between
(c) No improvement (d) From
(e) Inside
25. What is the logical inference that can be drawn from the passage?
- (a) Illegal timber trade is responsible for Human Rights violations
(b) The FLEGT license is effective against illegal timber trade
(c) Effective law enforcement is the need of the hour to stop Illegal tropical timber trade
(d) Effective measures are needed to minimize the conflicts between local communities and logging companies
(e) Sustainable Development Goals can only be achieved by effective Law enforcement.
26. Which of the following statements is **not true** according to the passage?
- (a) Illegal logging is responsible for soil degradation in rain forest
(b) Illegal timber trade gives rise to conflicts between local communities and logging companies
(c) Illegal timber trade leads to biodiversity loss.
(d) In many timber-producing countries, the government is the largest landowner
(e) To tackle corruption, the EU should raise the issue of corruption with producer countries
27. The FLEGT license is part of the EU's FLEGT Action Plan to promote
- (a) peace between local communities and logging

- companies
- (b) in assisting the United Nations Environmental Programme and INTERPOL
(c) to achieve Sustainable Development Goals
(d) to stop illegal timber trade from Indonesia
(e) measures to tackle illegal timber trade and contribute to sustainable forest management

Ques (28-34): Direction : Read the passage given below and answer the questions that follow.

The Reserve Bank of India (RBI) is India's central bank, responsible for the issue and supply of the Indian rupee and the regulation of the Indian banking system. It also manages the country's main payment systems and works to promote its economic development.

Until the Monetary Policy Committee was established in 2016, it also had full control of monetary policy in India. It commenced its operations on 1 April 1935 in accordance with the Reserve Bank of India Act, 1934. The original share capital was divided into shares of 100 each fully paid. Following India's independence on 15 August 1947, the RBI was nationalised on 1 January 1949.

The overall direction of the RBI lies with the 21-member central board of directors, composed of: the governor; four deputy governors; two finance ministry representatives (usually the Economic Affairs Secretary and the Financial Services Secretary); ten government-nominated directors; and four directors who represent local boards for Mumbai, Kolkata, Chennai, and Delhi. Each of these local boards consists of five members who represent regional interests and the interests of co-operative and indigenous banks.

It is a member bank of the Asian Clearing Union. The bank is also active in promoting financial inclusion policy and is a leading member of the Alliance for Financial Inclusion (AFI). The bank is often referred to by the name 'Mint Street'.

The primary objective of RBI is to undertake consolidated supervision of the financial sector comprising commercial banks, financial institutions, and non-banking finance companies.

The board is constituted by co-opting four directors from the Central Board as members for a term of two years and is chaired by the governor. The deputy governors of the reserve bank are ex-officio members. One deputy governor, usually the deputy governor in charge of banking regulation and supervision, is nominated as the vice-chairman of the board. The board is required to meet normally once every month. It considers inspection reports and other supervisory issues placed before it by the supervisory departments.

BFS through the Audit Sub-Committee also aims at upgrading the quality of the statutory audit and internal audit functions in banks and financial institutions. The audit sub-committee includes deputy governor as the chairman and two directors of the Central Board as members. The BFS oversees the functioning of the Department of Banking Supervision (DBS), the Department of Non-Banking Supervision (DNBS) and the Financial Institutions Division (FID) and gives directions on the regulatory and supervisory issues.

The institution is also the regulator and supervisor of the financial system and prescribes broad parameters of banking operations within which the country's banking and financial system functions. Its objectives are to maintain public confidence in the system, protect depositors' interest and provide cost-effective banking services to the public. The Banking Ombudsman Scheme has been formulated by the Reserve Bank of India (RBI) for effective addressing of complaints by bank customers. The RBI controls the monetary supply, monitors economic indicators like the gross domestic product and has to decide the design of the rupee banknotes as well as coins.

28. What was the purpose behind the Banking Ombudsman Scheme formulated by the Reserve Bank of India (RBI)?
- For the regulation of the Indian banking system.
 - For the issue and supply of the Indian rupee.
 - To upgrade the quality of the statutory audit and internal audit functions in banks and financial institutions.
 - For effective addressing of complaints by bank customers.
 - None of these
29. What is the correct meaning of the word "inspection"?
- A whole formed by combining several separate elements
 - A careful examination or scrutiny
 - To keep safe from harm or injury
 - The process of excluding or the state of being excluded
 - None of these
30. With reference to the passage, which of the following statements is correct?
- The audit sub-committee includes deputy governor as the chairman and two directors of the Central Board as members.
 - The Banking Ombudsman Scheme has been formulated by the Reserve Bank of India (RBI) for effective addressing of complaints by bank customers.
 - The RBI is often referred to by the name 'Mint Street'.
 - The RBI is also active in promoting financial inclusion policy and is a leading member of the Alliance for Financial Inclusion (AFI).
 - All of the above
31. Which of the following is a synonym for the word "consolidate", with reference to the passage?
- Combine
 - Scatter
 - Stabilize
 - Dissociate
 - None of these
32. What is the primary objective of RBI?
- Supply of the Indian rupee and the regulation of the Indian banking system.
 - To undertake consolidated supervision of the financial sector comprising commercial banks, financial institutions, and non-banking finance companies.
 - To manage the country's main payment systems and works to promote its economic development.
 - To control of monetary policy of India.
 - None of these
33. How many members are there in central board of directors of the RBI?
- 22
 - 25
 - 21
 - 27
 - 31
34. With reference to the passage, which of the following statements is incorrect?
- The RBI also manages the country's main

payment systems and works to promote its economic development.

- The RBI commenced its operations on 1 April 1935 in accordance with the Reserve Bank of India Act, 1934.
- Following India's independence on 15 August 1947, the RBI was nationalised on 5 January 1949.
- The original share capital was divided into shares of 100 each fully paid.
- None of these

Ques (35-36): Direction : In the following question, there is a certain relation between two given words on one side. Choose the suitable word to be put on the other side from the given alternatives.

35. Dank: Damp :: Timid : ?
- Cowardly
 - Veteran
 - Fearful
 - Plucky
 - Instinctive
36. Magnanimous : Generous :: Irk : ?
- Annoy
 - Bore
 - Insult
 - Urge
 - Vague

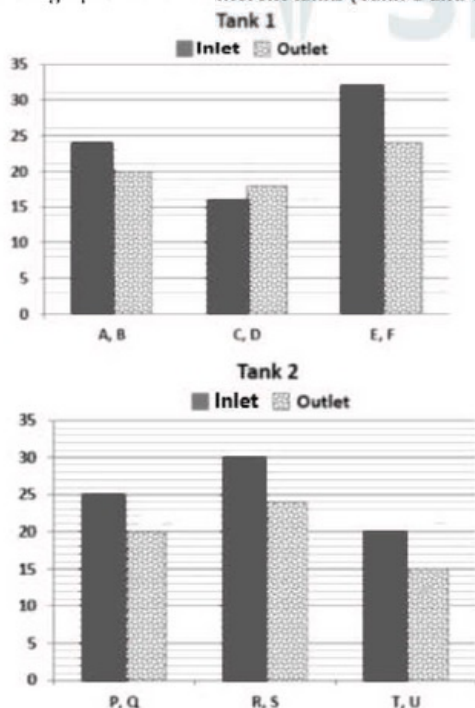
Quantitative Skills

37. A man lent Rs. 4500 at 30% compound interest per annum for 3 years. What is the difference between the interest earned by the man in the 2nd year only and the interest earned by the man in the 3rd year only?
- Rs. 545.5
 - Rs. 502
 - Rs. 526.5
 - Rs. 532
 - Rs. 640
38. If the 7th term of a harmonic progression is 8 and the 8th term is 7, then its 15th term is:
- 16
 - 14
 - $\frac{27}{14}$
 - $\frac{56}{15}$
 - None of the above
39. When 200 is divided by a positive integer x, the remainder is 12. How many values of x are possible?
- 3
 - 8
 - 6
 - 2
 - 5
40. There are four prime numbers written in ascending order. The product of the first three is 385 and that of the last three is 1001. Find the first number?
- 5
 - 7
 - 11
 - 17
 - None of the above
41. Find the number of words with or without meaning which can be made using all the letters of the word **AGAIN**. If these words are written as in a dictionary, what will be the 50th word?
- NAAGI
 - GIAAN
 - NAAIG
 - AGNAI
 - None of the above
42. In a room, there are 2 green chairs, 3 yellow chairs and 4 blue chairs. In how many ways can Raj choose 3 chairs so that at least one yellow chair is included?

- (a) 3 (b) 30
(c) 64 (d) 78
(e) None of the above
43. A man started his journey at 9 a.m. by bus at an average speed of 40 km per hour. After 1 hour 15 minutes his son started his journey by motorcycle and they both reach the destination at the same time at 12:30 p.m. What was the average speed of the motorcycle?
- (a) $62\frac{2}{9}$ km per hour (b) $64\frac{2}{9}$ km per hour
(c) $58\frac{2}{9}$ km per hour (d) $80\frac{2}{9}$ km per hour
(e) $68\frac{2}{9}$ km per hour
44. A pack contains 4 blue, 2 red and 3 black pens. If 2 pens are drawn at random from the pack, not replaced and then another pen is drawn. What is the probability of drawing 2 blue and 1 black pens?
- (a) $\frac{2}{9}$ (b) $\frac{1}{14}$
(c) $\frac{2}{63}$ (d) $\frac{2}{14}$
(e) None of the above
45. From a pack of well-shuffled deck of cards, two cards are drawn together at random. What is the probability of both the cards being Ace?
- (a) $\frac{9}{1}$ (b) $\frac{2}{74}$
(c) $\frac{2}{36}$ (d) $\frac{1}{21}$
(e) None of the above

Ques (46-49): Direction: Study the bar graph and answer the following question.

Time is taken (in minutes) by different pipes to fill or empty Tanks 1 and Tank 2 is given in the following graphs. The Inlet pipe is to fill the tank and the outlet pipe is to empty the tank. 2 bar graphs are for 2 different tanks (Tank-1 and Tank-2).



46. To fill Tank 1, pipes A and E were opened at 4:50 PM. After 8 minutes pipe A was closed and at the same time

pipe F got opened. After some time it was found that tank was $\frac{2}{3}$ rd empty, at what time it was observed?

- (a) 5:27 PM (b) 5:17 PM
(c) 5:12 PM (d) 5:22 PM
(e) None of the above
47. If the capacity of tank 2 is 1500 litres and pipe P of tank 2 is shifted to tank 1 then, find the capacity of tank 1 if Inlet P and outlet D together can empty tank 1 in 72 min.
- (a) 1200 litres (b) 1440 litres
(c) 1680 litres (d) 1320 litres
(e) 1735 litres
48. Tank 2 was $\frac{2}{5}$ th full. To fill it more, pipe R was to be opened, but accidentally pipe S got opened. It was noticed after 6 minutes and then pipe S was immediately closed. And now to fill tank quickly, pipe P was opened. What time could have been saved if pipe S was not opened?
- (a) 8.25 minutes (b) 7.75 minutes
(c) 9.25 minutes (d) 8.75 minutes
(e) None of the above
49. The time taken to fill the tank 1 with Inlet C and outlet G together is 56 minutes less than the time taken by inlet T and outlet S together to fill tank 2. In how much time outlet G will empty the full tank 1?
- (a) 18 minutes 40 seconds
(b) 21 minutes 20 seconds
(c) 22 minutes 40 seconds
(d) 24 minutes 10 seconds
(e) None of the above

Ques (50-53): Direction: the following table shows the number of candidates registered at 'LAGAN' matrimonial institution and the number of candidates who got married, from 4 different cities of Uttar Pradesh over the 3 months. Study the table carefully and answer the below question.

Month	November		December		January	
	R	M	R	M	R	M
Meerut	50	30	90	50	50	28
Dadri	70	20	40	14	48	22
Kanpur	80	14	32	16	30	8
Aligarh	60	20	30	10	46	12

R = registered candidates including men's and women's

M = married candidates (includes a count of individual not counted in pairs)

Unmarried Candidates = Registered Candidates - Married Candidates

50. The married candidates are what percent of the total number of registered candidates including all four cities over all three months?
- (a) 25.45% (b) 30%
(c) 28.40% (d) 38.97%
(e) None of the above
51. What is the ratio between the total number of registered candidates and the total number of married candidates for all four cities over the November and December months?
- (a) 87.113 (b) 154.87
(c) 226.87 (d) 87.226
(e) None of the above

52. How many unmarried candidates are from Dadri and Kanpur over 3 months?

- (a) 144 (b) 196
(c) 289 (d) 206
(e) None of the above

53. Unmarried candidates from Meerut and Aligarh for December month is what percent of unmarried candidates from Meerut and Aligarh for the month of November?

- (a) 60% (b) 75%
(c) 80% (d) 100%
(e) None of the above

54. A dishonest shopkeeper makes cheating of 14.28% at the time of selling the goods and 28.57% at the time of buying the goods and he promised to sell his goods at 12.5% loss. Find the profit % of the shopkeeper.

- (a) 31.25 (b) 31.75
(c) 33 (d) 33.5
(e) None of the above

55. The purchase value of 4 items are equal to sales value of 3 items. The % profit is:

- (a) $33\frac{1}{3}\%$ (b) $11\frac{1}{9}\%$
(c) $66\frac{2}{3}\%$ (d) $9\frac{1}{11}\%$
(e) None of the above

56. A can do a piece of work in 14 days and B can do it in 21 days. They begin together but 3 days before the completion of the work, A leaves the work. The total number of days to complete the work is?

- (a) $10\frac{1}{4}$ days (b) $10\frac{1}{5}$ days
(c) $7\frac{1}{5}$ days (d) $7\frac{4}{5}$ days
(e) None of the above

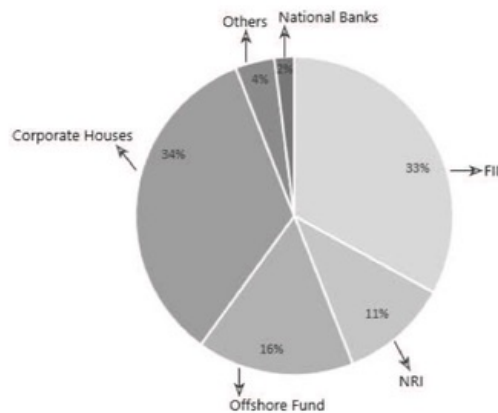
57. A sum of Rs. 13,725 is divided between A, B, C and D such that the ratio of the shares of A and B is 3 : 4 and B and C is 8 : 5 and that of C and D is 7 : 10. What is the share of C?

- (a) Rs. 2,625 (b) Rs. 2,475
(c) Rs. 3,150 (d) Rs. 3,750
(e) None of the above

58. The monthly income of A and B are in the ratio of 4 : 5, and their monthly expenditures are in the ratio of 7 : 9. If each saves Rs. 50 per month, the monthly income of A is:

- (a) 400 (b) 500
(c) 512 (d) 530
(e) None of the above

Ques (59-62): Direction : The following pie chart shows the number of subscriptions generated for India Bonds from different categories of investors.



59. In the corporate houses, approximately how many degrees should be there in the central angle?

- (a) 120 degrees (b) 121 degrees
(c) 122 degrees (d) 124 degrees
(e) None of the above

60. If the investment by NRI is Rs. 4,000 crore, then the investments by corporate houses and FII's together is:

- (a) 24000 crores (b) 24363 crores
(c) 25423 crores (d) 25643 crores
(e) None of the above

61. What percentage of the total investment is coming from FII and NRI?

- (a) 33% (b) 11%
(c) 44% (d) 22%
(e) None of the above

62. If the total investment other than by FII and corporate houses is Rs. 335,000 crore, then the investment by NRI and Offshore funds will be (approximately)?

- (a) Rs. 274100 (b) Rs. 285600
(c) Rs. 293000 (d) Rs. 295,000
(e) None of the above

Ques (63-67): Direction : In the question below is followed by two statements I and II. You have to determine whether the data given in the statement is sufficient for answering the question.

63. In how much time, the cistern can get empty due to leakage?

I. It gets filled in 12 minutes.

II. It takes 3 more minutes than usual to fill the cistern due to leakage.

- (a) If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
(b) If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
(c) If the data either in statement I alone or in statement II alone is sufficient to answer the question.
(d) If the data even in both statements I and II together and not sufficient to answer the question.
(e) If the data in both statements I and II together are necessary to answer the question.

64. What is the profit percentage of a milkman?

- I. The milkman sells the milk at twice the Cost price of pure milk.
II. He mixes 2 liters water with every 6 liters of pure milk.
- (a) If the data given in statement I alone are sufficient to answer the question whereas the data given in statement II alone are not sufficient to answer the question.
(b) If the data given in statement II alone are sufficient to answer the question whereas the data given in statement I alone are not sufficient to answer the question.
(c) If the data in either statement I alone or in statement II alone are sufficient to answer the question.
(d) If the data in both the statements I and II are not sufficient to answer the question.
(e) If the data given in both the statements I and II are necessary to answer the question.
65. What is the average of eight numbers?
I. The Sum is 896.
II. When 49 is added to the sum the average decreases by 7.
(a) If the data given in the statement I alone are sufficient to answer the question whereas the data given in statement II alone are not sufficient to answer the question.
(b) If the data given in statement II alone are sufficient to answer the question whereas the data given in statement I alone are not sufficient to answer the question.
(c) If the data given in either statement I or in statement II alone are sufficient to answer the question.
(d) If the data given in both statements I and II are not sufficient to answer the question.
(e) If the data given in both statements I and II are necessary to answer the question.
66. What is Mr. Mehta's present income?
I. Mr. Mehta's income increase by 10% every year.
II. His income will increase by Rs. 2,500/- this year.
(a) If the data given in statement I alone are sufficient to answer the question whereas the data given in statement II alone are not sufficient to answer the question.
(b) If the data given in statement II alone are sufficient to answer the question whereas the data given in statement I alone are not sufficient to answer the question.
(c) If the data given in either statement I alone or in statement II alone are sufficient to answer the question.
(d) If the data given in both the statements I and II are not sufficient to answer the question.
(e) If the data given in both the statements I and II are necessary to answer the question.
67. Find the ratio of speed of train.
Statement I: Length of two trains are 120 meters each. Both are moving in opposite directions.
Statements II: Both trains cross each other in 12 seconds.
(a) The data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
(b) The data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
(c) Either statement I or statement II alone is sufficient to answer the question.
(d) The data in both the statements I and II is not sufficient to answer the question.
(e) The data in both the statement I and II together is necessary to answer.
- Ques (68-71): Direction :** Read the following paragraph carefully and answer the following questions.
There are a certain number of male employees and female employees working in a company including three branches A, B and C. There are 60% of male employees and 45% female employees are grade A officers and rest are grade B officers in three branches. The average salary of grade A and grade B employees is Rs. 34000 and the ratio between the salary of grade B and grade A employee is 7 : 10. The difference between the male and female employees in A branch is 1000. Total of 10000 employees working in branch B. The average number of female and male employees in the C branch is 7000. The male employees of A branch are 25% more than the female employees of the same branch. Female employees of B branch are half of the female employees of C branch. The difference between the male employees of C branch and A branch is 3000.
68. What percent is the number of grade A female employees of the number of grade A male employees?
(a) 43% (b) 46%
(c) 44% (d) 48.75%
(e) 50%
69. Find the average number of employees working in three branches.
(a) 13200 (b) 11000
(c) 16500 (d) 15000
(e) 12300
70. What percent more is the number of Male employees working at the C branch than the female employees working at the same branch?
(a) 31% (b) 39%
(c) 29% (d) 33.33%
(e) 37%
71. What is the average salary of grade A male employees and grade B male employees of the company?
(a) Rs. 35425 (b) Rs. 34500
(c) Rs. 45000 (d) Rs. 45200
(e) Rs. 35200
72. Find the 31 st term of an A. P. whose 11 th term is 38 and the 16 th term is 73 .
(a) 178 (b) 168
(c) 175 (d) 174
(e) 163
73. **Direction:** Read the passage carefully and answer the question given below it.
Passage: Radioactive pollution is highly dangerous and has become a very important topic to be concerned about in today's scenario. Radioactive
- Logical Reasoning**

Logical Reasoning

- 73. Direction:** Read the passage carefully and answer the question given below it.
Passage: Radioactive pollution is highly dangerous and has become a very important topic to be concerned about in today's scenario. Radioactive pollution is caused when radioactive byproducts of a

nuclear reaction are dumped in the environment. This is contaminating the ecosystem causing air, water, and soil pollution. It can lead to cancer in humans when it comes in contact with the body.

Given below are a few options, select which isn't one of the effects of this on the humans.

- (a) Low levels of exposure can cause mild skin irritation.
- (b) If the human body comes in contact with these it causes nausea, vomiting, and diarrhea.
- (c) When radioactive waste is introduced in water bodies it affects the entire aquatic food web.
- (d) Radioactive rays can cause damage to DNA molecules.
- (e) None of the above

Ques (74-75): Direction: Select the best answer of the choices given and explain why the chosen answer is the right fit. You have to consider the statements to be true even if they seem to be at variance from commonly known facts.

Statements: The Government of India has decided to interlink 60 rivers, including the mighty Ganges, which the government hopes will cut farmers' dependence on fickle monsoon rains by bringing millions of hectares of cultivable land under irrigation. But some experts say India would be better off investing in water conservation and better farm practices. Environmentalists and wildlife enthusiasts have also warned of ecological damage due to interlinking of river.

1. Floods are important for the country because they increase the water level.
 2. There will be a marked improvement in foodgrains production.
 3. A flood-like situation in different parts of the country due to heavy rain at the time of monsoon can be minimised.
 4. Instead of interlinking the rivers it will be better for the government to focus on water conservation and better farm practices in the country.
 5. Depending on monsoon rains is depending on fate.
 6. Many of the people and wildlife will have to shift to new locations at the time of interlinking the rivers.
74. Which of the following among 1, 2, 3, 4, 5 and 6 can be inferred from the given information?
- (a) Only 1
 - (b) Only 5
 - (c) Only 2
 - (d) Only 4
 - (e) Both A and B
75. Which of the following among 1, 2, 3, 4, 5 and 6 has been assumed in the given information? (An assumption is something that is supposed or taken for granted)
- (a) Only 6
 - (b) Only 3
 - (c) Only 4
 - (d) Only 5
 - (e) None of these

Ques (76-77): Direction: Read the passage carefully and answer the question given below it.

76. **Passage:** We, at Comfort Stationers, have always been striving to provide stationery items that would make your work more enjoyable and less strenuous. Our latest innovations are a smooth-flow pen and gradual-friction paper. A combination of these two reduces strain on your fingers and allows faster writing the causes lesser fatigue. Therefore, replacement of your pen and paper with our innovative products reduces cost of clerical jobs.

Which of the following, if true, would weaken the conclusion drawn in the above argument?

- (a) Those who are already using the above new products report greater difficulty in transition from new products to regular ones than from the regular ones to the new ones.
- (b) The cost of manufacturing these new products is not more than the cost of manufacturing the regular ones and the new products last longer than the regular ones.
- (c) The number of offices using new products is increasing month by month.
- (d) These products need to be purchased in huge lots and need to be stored in special conditions as the cost of procurement and storage is quite high.
- (e) None of the above

77. **Passage:** These days lots of youngsters on two-wheelers drive at high speed. At the traffic signal, they are often found stopping after crossing the yellow line. This casual driving attitude is notwithstanding the government order for levy of heavy fines on offenders. Reluctantly, one has to draw the conclusion that the law has no effect.

Which one of the following, if true, would refute the arrangement in the above passage?

- (a) Many people find slow driving extremely boring.
- (b) Many people who don't follow traffic rules think that they can get away by bribing the policeman on duty.
- (c) When police personnel is sighted near the traffic signal, you find people following the rules.
- (d) Many people, especially those who are underaged get on roads.
- (e) None of these

78. **Direction:** The following question consists of a statement followed by two arguments I and II. Choose the best answer from the given options.

Statement: Should 'computer knowledge' be made a compulsory subject for all the students at the secondary school level?

Argument:

I. No, our need is 'bread' for everyone, we cannot follow western models.

II. Yes. We cannot compete in the international market without equipping our children with computers.

- (a) Only argument I is strong
- (b) Only argument II is strong
- (c) Either I or II is strong
- (d) Neither I nor II is strong
- (e) None of these

79. **Direction:** Study the following question carefully and choose the right answer.

Statement: Should selection tests be of the objective rather than of the descriptive type?

Arguments:

I. Yes, The assessment of answers to objective-type questions is fair and Impartial.

II. No. The descriptive type test is certainly a better tool than the objective type test.

- (a) Only I is strong
- (b) Only II is strong
- (c) Either I or II is strong
- (d) Neither I nor II is strong

(e) None of the above

- 80. Direction :** In the given question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows the given statement and choose your answer according to that.

Statement : Players who break various records in a fair way get special prizes. Player X broke the world record but was found to be under the influence of a prohibited drug.

Conclusions :

- I. X will get the special prize.
II. X will not get the special prize.
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Either I or II follows
(d) Neither I nor II follows
(e) Both I and II follow

Ques (81-85): Direction : Study the following information carefully and answer the given questions.

A word and number arrangement machine when given an input line of words and numbers, rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers).

Input: monk 79 bill rock 34 73 hole 80 sand fog 22 jam 60 99
Step I: sand 99 monk 79 bill rock 34 73 hole 80 fog 22 jam 60
Step II: sand rock 99 80 monk 79 bill 34 73 hole fog 22 jam 60
Step III: sand rock monk 99 80 79 bill 34 73 hole fog 22 jam 60
Step IV: sand rock monk 99 80 79 jam 73 bill 34 hole fog 22 60
Step V: sand rock monk 99 80 79 jam hole 73 60 bill 34 fog 22
Step VI: sand rock monk 99 80 79 jam hole fog 73 60 34 bill 22
And Step VI is the last step of the above input, as the desired arrangement is obtained.

As per the followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input: 23 mat belt 50 car 36 73 hay 66 owl 40 sell fool 47
(All the numbers are two digits numbers.)

- 81.** In which step are '47 23 belt car' found in same order?

- (a) Step V (b) Step IV
(c) Step VI (d) Step III
(e) No such step

- 82.** Which step number is the following output?

sell owl mat 73 66 50 hay fool car 47 40 36 belt 23

- (a) Step IV (b) Step VI
(c) Step III (d) Step VII
(e) Step I

- 83.** Which of the following output step represents the pairs - hay 47 car 36 in the same order?

- (a) Step IV (b) Step VII
(c) Step V (d) Step VI
(e) Step VII

- 84.** What is the difference between the sum of first set of three numbers and the sum of next set of three numbers in the last step?

- (a) 87 (b) 66
(c) 94 (d) 38
(e) 36

- 85.** How many elements (words or numbers) are there between '50' and '36' in the sixth step?

- (a) Three (b) Four
(c) Two (d) Five
(e) None of these

- 86. Direction :** In the questions below, is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the assumptions and decide which of the assumption(s) is/are implicit in the statement.

Statement :

The next meeting of the Board of Directors of the company will be held after one year.

Assumptions :

- I. The company will remain in function after one year.
II. The Board of Directors will be dissolved after one year.

Which of the assumptions is implicit in the statement?

- (a) Only assumption I is implicit
(b) Only assumption II is implicit
(c) Either I or II is implicit
(d) Both I and II are implicit
(e) Neither I nor II is implicit

- 87. Direction :** In the questions below, is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the assumptions and decide which of the assumption(s) is/are implicit in the statement.

Statement :

The policy of subsidizing high-yielding varieties of seeds (HYVs) has been adopted in the five-year plans in India.

Assumptions :

- I. High Yielding Variety Seeds (HYV) will increase productivity in the agriculture sector.
II. Normal seeds are relatively less productive as compared to high-yielding variety (HYV).

- (a) Both assumptions I and II are implicit
(b) Only assumption I is implicit
(c) Neither assumption I nor assumption II is implicit
(d) Only assumption II is implicit
(e) Either assumption I or II is implicit

Ques (88-89): Direction : The question consists of a statement and two inferences. The student must first determine whether each statement is true. Choose the appropriate answer after reading the statement carefully.

- 88. Statement :** Several websites claim to be free and offer rewards when you sign up with them. Then how do these websites make money. These free websites actually do not earn by selling or advertising. What they sell is your information to advertisers, marketers and researchers, and others. Your information is the commodity that drives the internet economy. It is collected through your online actions and the information you share.

Inference :

- I. Sharing one's information is necessarily bad.
II. Every piece of information you post and every action you take online has commercial value to a company or someone.

- (a) If only I follows.
(b) If only II follows.
(c) If both I and II follow.

- (d) If neither I nor II follows.
(e) If either I or II follows.

89. Statement :

Ram was asked by the Traffic police to remove his car parked in the narrow bridge.

Inferences :

- I. Vehicles should not be parked in the narrow bridge.
II. Ram parked his car where parking was not allowed.

- (a) Only I follows
(b) Only II follows
(c) Both I and II follows
(d) Either I or II follows
(e) Neither I nor II follows

Ques (90-94): Direction : Study the following information carefully and answer the question given below.

In a cloth shop, eight stacks of yarn are kept above each other. The yarn is numbered in ascending order from 1 to 8 such that the topmost yarn is numbered as 8 while the bottom most yarn is numbered as 1. Each yarn is of a different fabric among – Cotton, Wool, Silk, Leather, Rayon, Satin, Velvet and Denim but not necessarily in the same order.

Three yarns are placed between Leather yarn and Satin yarn. Yarn of Rayon is kept second from the top. Number of yarns above Rayon is same as the number of yarns below Leather. Silk Yarn is not kept below Satin yarn or Rayon yarn. Yarn of Cotton is not kept at the bottom. Yarn of Wool is kept above Cotton yarn but below Denim yarn.

90. If Yarn of Satin is exchanged with the Yarn of Cotton, then how many Yarns are placed between Yarn of Cotton and Yarn of Wool?

- (a) Three (b) One
(c) Two (d) Five
(e) Four

91. Which if the following statement(s) is/are correct?

- I. Yarn of Silk is kept below Yarn of Denim.
II. Yarn of Leather is kept immediately above Yarn of Velvet.
III. There are three Yarns between Yarn of Rayon and Yarn of Cotton.

- (a) I and II (b) II and III
(c) I and III (d) All of these
(e) Cannot determine

92. Which fabric of yarn is kept at the bottom?

- (a) Denim (b) Velvet
(c) Silk (d) Wool
(e) Cotton

93. Yarn of Denim is kept at what position?

- (a) Third from the top
(b) Fourth from the bottom
(c) Third from the bottom
(d) Second from the bottom
(e) Fourth from the top

94. How many yarns are kept between yarn of velvet and wool?

- (a) 0 (b) 3
(c) 2 (d) 1
(e) 6

Ques (95-99): Direction : Study the following information carefully and answer the questions that follow.
Elite, Blue heights and Crimson bay are three adjacent

buildings. Elite is to the east of Blue heights, which is to the east of Crimson bay. Each building has a different number of floors with the bottom floor being numbered 1, the floor above it number 2, etc. The height of the floor in each building is the same i.e. the same numbered floor is at an equal height from the ground. Only a few of the floors of these buildings are taken and the rest are vacant. Only one person can live on each floor of each building.

Yogesh and Suraj lived on the same floor number but not in the adjacent building. Only three persons are living in the building in which Ranjana lives. Neither Suraj nor Yogesh lives in the same building in which Ranjana lives. There can be a maximum of eight floors and a minimum of five floors in a building. Aakriti lives on the eighth floor in Crimson bay. The total number of floors in Blue heights is two less than the total number of floors in Crimson bay, which has one more floor than the total number of floors in Elite. Yogesh does not live with Aakriti. Suraj neither lives on an even-numbered floor nor the bottom floor. Only two floors are there between the floor on which Suraj lives and the floor on which Ajay lives, but in the same building. Ranjana lives on the top floor of her building. Only two floors are there between the floor on which Ranjana lives and the floor on which Nawal lives but in a different building. Nawal does not live in the building in which Ajay lives. Harshit lives immediately below Nawal in the same building. The number of persons living in Blue height is the same as that of persons living in Elite. There is a gap of one floor between the floor on which Suraj lives and the floor on which Sherin lives, who lives in the same building as that of Aakriti. There is a gap of four floors between Sherin and Aakriti. The number of persons living in Crimson bay is one more than the number of persons in Blue heights. Vipul lives on the bottom floor. Sukhi lives on an even-numbered floor but not on the second floor.

95. On which of the following floor did Sherin live and in which building?

- (a) 3 - Blue heights (b) 3 - Crimson bay
(c) 4 - Crimson bay (d) 3 - Elite
(e) None of these

96. How many floors are there in all the three buildings?

- (a) 21 (b) 22
(c) 20 (d) 19
(e) None of these

97. How many persons live in all the three buildings?

- (a) 11 (b) 10
(c) 9 (d) 8
(e) None of these

98. Four of the following five are alike in a certain way and so form a group, find the one who does not belong to the group.

- (a) Suraj (b) Aakriti
(c) Ajay (d) Sherin
(e) Vipul

99. Which of following persons live in Elite?

- (a) Yogesh (b) Nawal
(c) Sukhi (d) Harshit
(e) All (A), (B) and (D)

Ques (100-101): Direction : Study the following information carefully and answer the questions given below.

It has been given that-

A is + from point B states B is to the NORTH of A.

A is = from point B states B is to the SOUTH of A.

A is || from point B states A is to the East of B.

A is * from point B states A is to the WEST of B.

Now, S is =20 m from point P. Point Q is =15 m from point R. Point U is +15 m from Point V. Point T is ||20 m from point V. Point U is ||16 m from point Q. Point R is ||30 m From point P.

100. What is the shortest distance between point S and Q?

- (a) $5\sqrt{37}$ (b) $7\sqrt{37}$
(c) $4\sqrt{65}$ (d) $2\sqrt{37}$
(e) None of these

101. What is the shortest distance between the point T and the point which is to the East of Q?

- (a) 25 m (b) 26 m
(c) 30 m (d) 24 m
(e) 22 m

Ques (102-103): Direction : Study the information below and answer the following question.

In a certain code language,

'To Fun Do Work' is written as '&N9 @04 %K16 \$04'

'Do What You Want' is written as '%T16 %T16 #U9 @04'

'Your Fan Wait Did' is written as '%T16 @D9 &N9 #R16'

102. What is the code for 'Want'?

- (a) #04 (b) &N9
(c) @04 (d) %K16
(e) %T16

103. Which of the following statement is correct?

- (a) The code of 'Do' is @04
(b) The code of 'Did' is @D9
(c) The code of 'What' is %T16
(d) All of the above true
(e) None of these

104. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices given below. The columns and rows of Matrix I are numbered - from 0 to 4 and that Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'U' can be represented by 01, 14, etc. Similarly, you have to identify the set for the "EARTH" word.

Matrix-I

	0	1	2	3	4
0	E	U	C	B	G
1	0	R	H	K	U
2	G	D	N	E	L
3	T	T	U	R	N
4	A	R	1	T	B

Matrix-II

	5	6	7	8	9
5	V	G	H	R	A
6	O	E	S	D	L
7	A	R	N	L	P
8	D	J	T	H	E
9	H	I	Z	E	N

- (a) 23, 59, 33, 31, 88 (b) 40, 68, 42, 02, 13
(c) 00, 75, 76, 95, 13 (d) 02, 65, 13, 04, 12
(e) None of the above

Ques (105-107): Direction: In the question below are given three statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true

even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

105. **Statements:**

- I. Only a few scorpions are snakes
II. No reptile is a snake
III. No scorpion is a lizard

Conclusions:

- I. Some lizards are not reptiles
II. No snake is a lizard
III. Some lizards are reptiles
(a) Only conclusion III follows
(b) Only conclusion II follows
(c) Both conclusion I and II follow
(d) Both conclusion I and III follow
(e) None follows

106. **Statements:**

- I. Some babies are infants
II. Some infants are not small
III. Only a few big are small

Conclusions:

- I. Some babies are big
II. Some small are not big
III. Some infants are not babies
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusion I and II follow
(d) Only conclusion III follows
(e) None of the conclusions follow

107. **Statements:**

- I. Only a few songs are music
II. Some singers are songs
III. Some music are not singers

Conclusions:

- I. Some singers are music
II. Some songs are not music
III. Some music are songs
(a) Only conclusion III follows
(b) Only conclusion II follows
(c) Both conclusion I and II follow
(d) Both conclusion I and III follow
(e) Both conclusion II and III follow

108. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and the Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'K' can be represented by 02, 10, 23 etc. and I can be represented by 59, 66, 77 etc. Similarly, you have to identify the set for 'RENT'.

Matrix I

	0	1	2	3	4
0	R	C	K	U	N
1	K	N	C	R	U
2	U	R	N	K	C
3	C	K	U	N	R
4	N	U	R	C	K

Matrix II

	5	6	7	8	9
5	W	B	T	E	I
6	E	I	B	W	T
7	B	W	I	T	E
8	I	T	E	B	W
9	T	E	W	I	B

- (a) 13, 85, 04, 96 (b) 21, 79, 40, 75
(c) 34, 87, 22, 59 (d) 00, 96, 11, 69
(e) None of these



ANSWER KEY

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

