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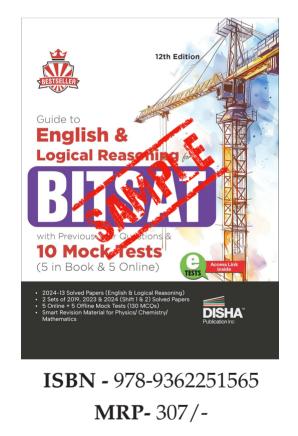
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## **Free Sample Contents**

#### **Chapterwise Solved Paper 2024**

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**Chapterwise Solved Paper 2022-23** 

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## **Chapterwise solved Paper 2024**

#### PART I : ENGLISH PROFICIENCY

#### **Vocabulary**

sele	ect th	<b>TION (Q. 1) :</b> In e pair that expre o that expressed i	sses a 1	rela ipita	tionship most
1.	ISL (a) (c)	AND : OCEAN :: Hill : Stream Tree : Field	(b) (d)		rest : Valley sis : Desert
sen app	tence propri ernati	<b>TION (Q. 2) :</b> In s are given with tate phrasal ver we from the given	blank bs. Cho options.	to i bose	be filled with e the correct
2.	Ian	n afraid my compu	ter will		ifI
	try	to run it at too hig	gh a spe		1 1 .
	try	to run it at too hig	gh a spe		break out break away
DII	try (a) (c) RECT	to run it at too hig break down	gh a spe	(b) (d) corr	break away
DII	try (a) (c) RECT given	to run it at too hig break down break even TION (Q.3): Cho words. Sovereignty	gh a spec	(b) (d) corv [ <b>I</b>	break away ect spelling of BITSAT 2024] Soveriegnty

alternative as your answer: [BITSAT 2024]

- 4. He was so filled with contempt for the prisoner that he gave him a \_\_\_\_\_look.
  - (a) humiliated
  - (b) derisive
  - (c) pitying
  - (d) hurtful

**DIRECTION :** Select the pair that expresses a relationship most similar to that expressed in the capitalized pair. [BITSAT 2024-II]

- 5. YOGA: EXERCISE ::
  - (a) Pineapple : Fruit
  - (b) Leg: Limb
  - (c) Mango: Vegetable
  - (d) Tree: Field

**DIRECTION :** In the following question, a sentence is given with a blank to be filled with an appropriate phrasal verb. Choose the correct alternative from the given options. [BITSAT 2024-II]

6.	The convention was	s due to
	the pandemic as the	y wanted people to remain
	safe.	
	(a) cancelled	(b) called off
	(c) brought up	(d) broken off

DIRECTION : Choose the correct spelling from the given words. [BITSAT 2024-II]

7.	(a)	Elusive	(b)	Elusief
	(c)	Elusivie	(d)	Ellusive

**DIRECTION :** In the following question, a sentence is given with a blank to be filled with an appropriate word. Four alternatives are suggested for each question. Choose the correct alternative as your answer. [BITSAT 2024-II]

- 8. These essays are intellectually ..... and represent various levels of complexity.
  - (a) revealing
  - (b) modern
  - (c) superior
  - (d) persistent

#### <u>Grammar</u>

**DIRECTIONS (Qs. 1-2) :** In the following question, the sentences have been given in Active / Passive Voice. From the given alternatives, choose the one which best expresses the given sentence in Passive / Active Voice as your answer. [BITSAT 2024]

- 1. He likes people to call him Sir.
  - (a) He likes to be called Sir by people.
  - (b) He likes to be call Sir by people.
  - (c) He likes people who call him Sir.
  - (d) To call him Sir is liked by people.
- 2. The telegraph wires have been cut.
  - (a) Someone has been cut the telegraph wires
  - (b) No one has cut he telegraph wires.
  - (c) The telegraph wires have cut someone.
  - (d) Someone has cut the telegraph wires.

**DIRECTION (Q. 3):** In the following question, some of the sentence have errors and some have none. Find out which part of a sentence has an error. The number of that part is your answer. If there is no error, your answer is (d) i.e., No error. [BITSAT 2024]

3.	Having lived /	in Kerala for ten years, / my
	(a)	(b)
	friend is used to	speak Malayalam with his friends./
		(c)
	No Error	
	(d)	

**DIRECTION (Qs.4-5) :** In the following questions, the sentences have been given in Active / Passive Voice. From the given alternatives, choose the one which best expresses the given sentence in Passive / Active Voice as your answer. [BITSAT 2024-II]

- 4. They first sun-dried the garbage for one to three days to bring down the moisture level.
  - (a) The moisture level was brought down by sun-drying the garbage for one to three days
  - (b) One to three days of sun-drying brought down the moisture level of the garbage.
  - (c) The moisture level of the garbage came down when it was sun-dried for one to three days.
  - (d) The garbage was first sundried for one to three days to bring down the moisture level.
- 5. He was congratulated by his teacher on his brilliant success in the recent examination.
  - (a) His teacher congratulated him on his brillant success in the recent examination.
  - (b) His teacher congratulated him for his success in the examination.
  - (c) His teacher congraulated him on his success.
  - (d) His teacher congratulated him.

**DIRECTION :** In the following question, the sentence may or may not have an error. Find out which part of the sentences has an error. The number of that part is your answer. If there is no error, your answer is (e), i.e., No error. [BITSAT 2024-II]

- 6. <u>The fear</u> of an <u>impending invasion</u> has more  $\frac{1}{b}$ 
  - to do  $\frac{\text{than even the debasing of the coinage}}{c}$

$$\frac{\text{than}\,/\,\text{with the}\,\,\underline{\text{financial}}\,\,\underline{\text{difficulties}}\,\,\underline{No\,\,\text{error}}\,\,.$$

#### **Reading Comprehension**

## **DIRECTION (Q. 1)**: *Read the following passage and answer the question that follow* [**BITSAT 2024**]

Samantha was known in her community for her exceptional culinary skills. Every year, she hosted a charity dinner that drew attendees from all over town. This year's event was particularly special because Samantha had announced that all proceeds would go towards the local animal shelter, which had been struggling financially. The dinner was a huge success, with a wide variety of gourmet dishes that left everyone impressed. As guests enjoyed their meals, many praised Samantha not only for her cooking but also for her generosity and commitment to a cause so close to their hearts.

However, after the event, several guests remarked on how the meal seemed to be even more elaborate than usual. Some suspected that Samantha had spared no expense to ensure the evening was perfect. While discussing the event, a few individuals noted that Samantha had mentioned earlier in the week that she was considering making some personal sacrifices to fund the charity event, but they hadn't taken her seriously at the time.

- 1. Based on the passage, what can be inferred about Samantha's attitude towards the charity event?
  - (a) Samantha was indifferent about the outcome of the charity dinner.
  - (b) Samantha was willing to make personal sacrifices to ensure the charity event's success.
  - (c) Samantha was dissatisfied with the financial outcome of the event.
  - (d) Samantha preferred to host simple events rather than elaborate ones.

**DIRECTION (Q. 2):** *Read the paragraph and choose a suitable summary from the given options.* 

#### [BITSAT 2024]

In recent years, urban gardening has become a popular trend as more city dwellers seek to reconnect with nature and improve their living environments. Urban gardening involves cultivating plants in small spaces, such as balconies, rooftops, or community plots. This practice not only enhances the aesthetic appeal of urban areas but also contributes to environmental sustainability by reducing the carbon footprint associated with transporting produce from rural farms to cities. Many urban gardeners have discovered that growing their own fruits and vegetables can be both rewarding and cost-effective. It provides them with fresh, organic produce and a sense of accomplishment. Furthermore, urban gardens often foster a sense of community, as individuals and families collaborate on gardening projects and share their harvests. Despite some challenges, such as limited space and potential soil contamination, urban gardening continues to gain traction as a meaningful and practical activity for city residents.

- 2. Which of the following best summarizes the passage?
  - (a) Urban gardening is mainly about growing plants for decorative purposes in cities.
  - (b) Urban gardening helps city dwellers enjoy fresh produce and build community connections, while also contributing to environmental sustainability.
  - (c) Urban gardening is an expensive hobby that requires significant investment and space.
  - (d) Urban gardening is primarily practiced by people in rural areas who want to experience city life.

## **DIRECTION :** *Read the following passage and answer the question that follows.* [BITSAT 2024-11]

Since July 1991, the government of India has effectively put the liberalisation policy into practice. The drastic steps even include some administrative reforms for pruning the government agencies. Last year the Japanese business circles represented by the Ishikawa Mission called attention of their Indian counterparts to what they considered to be the major impediments in India. However, thanks to the almost revolutionary reforms put into effect by the Indian government, those impediments either have been removed or now are on their way out. This development gives a new hope for the future of economic co-operation between the two countries. At the same time, it should be borne in mind that there is a stiff competition with other countries, notably China and South-East Asian countries, in this regard. The success stories of ASEAN countries welcoming Japanese investments with adequate infrastructure are already known in India but it may be useful if further studies of Japanese joint ventures in ASEAN countries be made by Indian business circles. The coastal areas of China have initiated a very active campaign to welcome foreign economic participation.

Beyond our bilateral relationship, India's more active participation in global economy is needed. India certainly deserves a far bigger share of world trade considering its vast resources. It is strongly hoped that the Indian government's recently initiated effort of enlarging its export market would bear fruit.

India has steadfastly maintained its parliamentary democracy since independence. Considering its size, its population and its internal complexity, the overall maintenance of national integrity and political stability under parliamentary democracy is remarkable and admirable indeed. Here lies the base for the status of India in the world. By effectively implementing its economic reform with the support of public opinion, this democratic polity of India has again demonstrated its viability and resilience. At the same time, it gives hope and inspiration to the whole world which faces the difficult problem of North-South confromation.

- **3.** Which of the following is TRUE about the author's view regarding India's participation in world trade?
  - (a) India should actively contribute in a big way as it has tremendous resources.
  - (b) India's sharing in global economy has already been very fast and beyond its resources.
  - (c) India should refrain from making efforts in enlarging its export market.
  - (d) India needs to first strengthen its democracy.

## **DIRECTION :** Read the passage and choose a suitable summary from the given options. [BITSAT 2024-II]

The Prime Minister's recent trip to Nigeria, the first bilateral prime ministerial visit to Africa since Jawaharlal Nehur's 45 years ago, recalls a long neglected Indian obligation. "It is up to Asia to help Africa to the best of her ability," Nehru told the Bandung Conference in 1955, "because we are sister continents. "The Prime Minister's proposed strategic partnership with African nations might at last make good that 52-year old promise and also, perhaps, challenge China's expedient diplomacy.

In the intervening years, the West's sanctimonious boycott of many African regimes - after nearly a century of extreme colonial exploitation – left the continent in the grip of oppressive rulers looking for new political sponsors, arms-sellers and trading partners. Not only was it an abdication of the developed world's responsibility to the world's least developed region, sanctions actually compounded the sufferings of poorer Africans. The Darfur killings continue and there is no mellowing of Robert Mugabe's repression in Zimbabwe. A bandoned by the West Africa looked elsewhere. Beijing filled the vacuum by eagerly embracing dangerous and unsavoury regimes in its search for oil and other minerals. China demonstrated its influence by playing host to 48 out of 53 African leaders a year ago in a jamboree that was historic as well as historical. Historic because China has succeeded in becoming the pre-eminent outside power in Africa and its second biggest trading partner. Historical because modern Chinese diplomacy draws on the Middle kingdom's ancient formula; the tribute system. It was how the son of Heaven brought those nations whom the Celestial Empire called "barbarians' into his imperial trading and , through it, cultural and political system.

Contemporary China's economic penetration of Africa also heralds a new era of cultural and political ties though the Chinese foreign ministry repeatedly assure the world that "our cooperation is not designed to be against or preclude any third party." This is untrue in a world of finite resources. Once the Chinese are established in a country, no one else gets a foothold. Myanmar, where India failed to obtain the desired gas concessions, is a prime example. Aware that the hunt for energy is a zero-sum game, China's leadership courts African leaders with regular visits and substantial grants.

After decades of neglect – Vajpayee's Africa visit over a decade ago was to attend a Commonwealth Summit– India will have to move cautiously but quickly if it is to break China's monopoly. Along with investing in Africa's human capital, ,China has outlined a strategic investment plan to build three to five trade economic cooperation zones in Africa by 2009 to boost trade, which is expected to tap \$40 billion this year. That could double to \$30 billion by 2010 on the back of an insatiable demand for natural resources to feed China's **booming** economy.

- 4. From the passage, it can be inferred that the author's views are:
  - (a) in favour of India gaining an edge over China
  - (b) against India entering into a competition with China
  - (c) in favour of not making any investment in African countries
  - (d) appreciation of oppressive and barbaric African rulers.

#### **Composition**

**DIRECTION (Q. 1):** Rearrange the given five sentences (A, B, C, D) and (E) in a proper sequence so as to form a meaningful paragraph and then answer the given questions. [BITSAT 2024]

- A. With so many products and opportunities available in the market, it is very easy to get this planning wrong.
- B. Planning, therefore, is imperative and should begin as early as possible.
- C. What amount will we need and when will we need it?
- D. Most of us would put our children's education above any other priority in life including our own retirement.
- E So, let's try to find the best solution by asking two important question.
- 1. Which of the following should be the **FIRST** sentence after rearrangement?

(c) C

(d) D

(a) A (b) B

**DIRECTION :** Rearrange the given four sentences (A, B, C, D) in a proper sequence so as to form a meaningful paragraph and then answer the given questions. [BITSAT 2024-II]

- P: And with each passing moment, he felt an urgent need to run and hide as though the bell was sounding a warning.
- Q: And heavy that he could scarcely hold onto it and he wanted to know what was in the package and he stopped near an alley corner and unwrapped in.
- R: It sounded suddenly directly above his head and when he looked, it was not there but went on tolling.
- S: And he stood on a street corner in a red glare of light like that which came from the furnace and he had a big package in his arms so wet and slippery.
- **2.** Which of the following should be the FIRST sentence after rearrangement?
  - (a) RPSQ
  - (b) RSPQ
  - (c) RQPS
  - (d) PSRQ

#### PART II: LOGICAL REASONING

#### I. VERBAL REASONING Analogy & Coding-Decoding

In a code language, if LUCK is written as 1. L2U1C3K1, then what is the last digit for the code for XEROX in that same language?

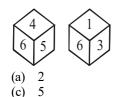
[BITSAT 2024]

- (c) 2 (b) 3 (d) 1 (a) 4 2. If 'yellow' means 'green', 'green' means 'white', white means 'red', 'red' means 'black', 'black' means 'blue' and 'blue' means 'violet', which of the following represents the colour of human blood? [BITSAT 2024] (a) black (b) violet
  - (c) red (d) None of these
- 3. In the following questions, there are two words/ set of letters/numbers to the left of the sign :: which are connected in some way. The same relationship obtains between the third words/ set of letters/numbers and one of the four alternatives under it. Find the correct alternative. [BITSAT 2024]

TOMATO : MTOOTA :: 123412 : ?

(a)	312214	(b) 123456
(c)	321124	(d) 213314

- 4. In a certain way 'Diploma' is related to 'Education'. Which of the following is related to 'Trophy' in a similar way? [BITSAT 2024-II]
  - (a) Sports (b) Athlete
  - (c) Winning (d) Prize
- Two position of a dice are shown below. Iden-5. tify the number at the bottom when the top is 3. [BITSAT 2024-II]



- (b) 4 (d) 6
- If all the letters in the word 'PRINCE' are rear-6. ranged in alphabetical order, then how many letter(s) will remain unchanged?

[BITSAT 2024-II]

- (a) None
- (b) One
- Two (c)
- (d) Three
- (e) More than three

- 7. If NATION is coded as 467234 and EARN be coded as 1654 then ATTENTION should be coded as :-[BITSAT 2024-II]
  - (a) 432769561 (b) 956143654
    - (d) 677147234
- (c) 766412743 8. If 'black' means 'white', 'white' means 'red', 'red' means 'yellow', 'yellow' means 'blue', 'blue' means 'green', 'green' means 'purple' and 'purple' means 'orange' then what is the colour of clean sky? [BITSAT 2024-II]
  - (a) green (b) purple

(c) blue

#### **Classification or Odd Man Out**

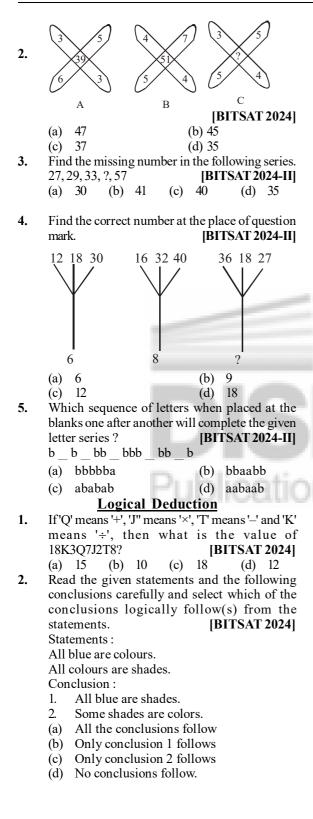
- 1. Which of the following doesn't fit into the series? [BITSAT 2024]
  - 5-1-96, 27-1-96, 18-2-96, 12-3-96, 2-4-96.
  - (a) 18-2-96 (b) 27-1-96
  - (c) 12-3-96 (d) 5-1-96
- 2. Raju walks 4 km towards East. Then, he turns left and walks another 3 km . In which direction and at what distance is he from his initial position? [BITSAT 2024]
  - (a) South-West, 5 km
  - (b) North-East, 5 km
  - (c) South-East, 5 km
  - (d) North-West, 5 km

3.

- Rohit walked 25 metres towards South. Then he turned to his left and walked 20 metres. He then turned to his left and walked 25 metres. He again turned to his right and walked 15 metres. At what distance is he from the starting point and in which direction? [BITSAT 2024-II]
  - (a) 35 metres East
  - (b) 35 metres North
  - (c) 40 metres East
  - (d) 60 metres East

#### Series

- 1. Which one of the letters when sequentially placed at the gaps in the given letter series shall complete it? [BITSAT 2024]
  - m lm l mm l
  - (a) mllml
  - (b) mlmll
  - llmlm (c)
  - (d) mmlml



3. Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s)

#### [BITSAT 2024]

#### Statement :

All razors are blades

All blades are metal

#### **Conclusions :**

- 1. All metals are razors
- 2 Some metals are blades.
- (a) All the conclusions follow
- (b) Neither conclusion follows
- (c) Only conclusion 2 follows
- (d) Only conclusions I follows.
- 4. In a joint family, there are father, mother, 3 married sons and one unmarried daughter. Of the sons, two have 2 daughters each and one has a son. How many females members are there in the family? [BITSAT 2024]
  - (a) 2 (b) 3
  - (c) 6 (d) 9
  - Pointing towards a woman in a photograph Vijay said, "She is the daughter of the father of sister of my brother". How is the lady in the photograph [BITSAT 2024] related to Vijay?
    - (a) Wife (b) Mother
      - (d) Daughter
    - A family has a man, his wife, their four sons and their wives. The family of every son also have 3 sons and one daughter. Find out the total number of male members in the family.

(b) 8

(d) 17

- [BITSAT 2024-II]
- (a) 4
- (c) 12

[BITSAT 2024-II]

[BITSAT 2024-II]

Statements:

(c) Sister

5.

6.

7.

Some pots are buckets.

Some buckets are bags. Some bags are purses.

#### **Conclusions:**

- Some purses are buckets. I.
- П. Some bags are pots.
- (a) All follow
- (b) None follows
- (c) Only I follow
- (d) Only II follow
- 8.

Statements:

All biscuits are chocolates. Some chocolates are breads. All breads are pastries.

**Conclusions:** 1. Which of the following is the correct position of L? I. Some biscuits are pastries. (a) To the immediate right of N П. Some pastries are chocolates. (b) To the immediate right of Q (a) Only I and II follow (c) To the immediate left of N (b) Only I follow (d) To the immediate left of Q (c) Only II follow 2. Which of the following pair of persons represent (d) None follow O's neighbours? 9. In the following question you have to identify (a) L&N (b) P&K the correct response from the given premises (c) M&P (d) N&P stated according to the following symbols. 3. Which of the following groups has the first If '+' means '+', '-' means '×', '+' means '+' and person sitting between the other two persons? '×' means '-', then  $63 \times 24 + 8 \div 4 + 2 - 3 = ?$ (a) PKJ (b) JQL [BITSAT 2024-II] (c) QNL (a) 54 (b) 66 (d) None of these

> **DIRECTIONS (Qs. 4-5):** Read the following information carefully and answer the questions which follow: [BITSAT 2024]

> Among A, B, C, D and E each scored different marks in an examination. Only one person scored more than C. E scored more than A but less than D. D did not Score the highest marks. The one who scored the second lowest, scored 71 % marks. C scored 92% marks.

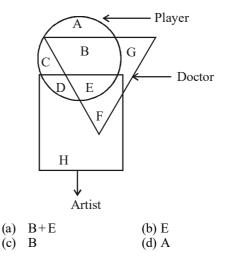
> 4. Who amongst the following is most likely to have scored 87% marks?

(a) A	(b) B
-------	-------

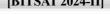
(c) D	(d) E

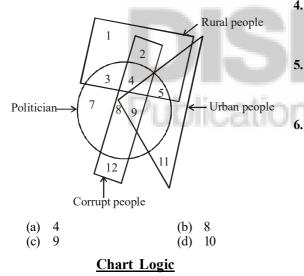
- Which of the following percentages is most likely to be B's percentage in the exam?
  - (a) 68% (b) 71%
  - (c) 84% (d) 97%

In the following venn diagram identify the better which denotes players who are also doctors but not artist. [BITSAT 2024]



- - (c) 186 (d) 48
- 10. Five boys A, B, C, D and E are standing in a line. A is taller than E but shorter than D. B is shorter than E and C is the tallest. Who is in the middle? [BITSAT 2024-II] (a) A (b) C
  - (d) E (c) D
- In the following venn diagram, Identify the 11. politicians from urban areas who are corrupt. [BITSAT 2024-II]





**DIRECTIONS (Qs. 1-3):** Study the following information carefully to answer these questions: [BITSAT 2024]

Eight friends J, K, L, M, N, O, P and Q are sitting around a circle facing the centre. J is not the neighour of N. L is third to the right of K. Q is second to the left of N who is next to the right of L. O is not the neighbour of N or K and is to the immediate left of P.

#### **DIRECTIONS (Qs.7-9)**: On the basis of the following information, answer the questions that follow. [BITSAT 2024-II]

Six people are sitting on the ground in a hexagonal shape. The hexagon's vertices are marked as A, B, C, D, E and F but not in any order. However, all the sides of the hexagon are of same length. A is not adjacent to B or C; D is not adjacent to C or E; B and C are adjacent; F is in the middle of D and C.

- 7. If one neighour of A is D, then who is the other one?
  - (a) B (b) C
  - (d) F (c) E
- 8. Who is placed opposite to E?
  - (b) D (a) F
  - (c) C (d) B
- 9. Who is at the same distance from D as E is from D?
  - (a) B (b) C (d) F
  - (c) D

#### II. NON-VERBAL REASONING

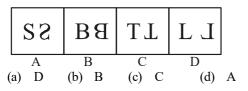
#### Pattern Perception or Completion of Figures

1. Select the option figure that will complete the series of question figures. [BITSAT 2024] Question figures

ABCD
$$\wedge > \blacktriangle *$$
 $\wedge > \ast \checkmark$  $\ast \land > \checkmark$  $\checkmark \land > \ast$ (a) B(b) D(c) C(d) A

2. Find the odd one out.

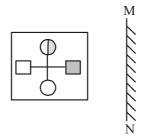
[BITSAT 2024-II]



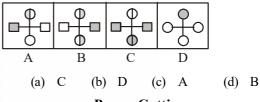
#### **Figure Formation & Analysis**

1. Choose the mirror image for the following figure when the mirror is kept at the MN line.

[BITSAT 2024-II]

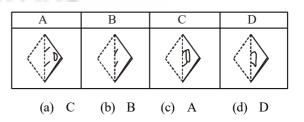


1.



#### **Paper Cutting**

Which pattern will the given transparent sheet resemble when it is folded at the dotted line? [BITSAT 2024]



## **Hints & Explanations**

2.

#### PART I : ENGLISH PROFICIENCY

#### Vocabulary

- Relation surrounded object -1. (d) surroundings; an island is a piece of land surrounded by water on all sides as an oasis is surrounded by desert on all sides.
- 2. 'Break down' means 'fail or to cease to (a) function'; 'break out' means 'escape, especially forcefully or defiantly'; 'break even' means 'neither gain nor lose money' and 'break away' means 'become separated, literally or figuratively'. Hence, option (a) is the correct answer.
- 3. Sovereignty (a)
- 4. (a) He was so filled with contempt for the prisoner that he gave him a humiliated look.
- 5. **(a)** 6. (b) 7. (a) 8. (c) Grammar
- (a) He likes to be called Sir by people. 1.
- (d) Someone has cut the telegraph wires. 2.
- 3. (c) Speak in Malayalam.
- 4. (d) The garbage was first sundried for one to three days to bring down the moisture level.
- 5. In Voice change, one can transform the **(a)** sentence from Active to Passive or vice versa, but can't change the sense. That is, one can't remove the information conveyed through the sentence or add any additional information. That is, transformation must be done keeping the information intact. This is the reason behind selecting (a) as the answer.
- (c) with the debasing of the coinage than 6.

#### **Reading Comprehension**

1. (b) The passage reveals that Samantha had mentioned she was considering making personal sacrifices to fund the charity event, and guests remarked that the event was more elaborate than usual. This indicates that Samantha was committed to the success of the event and willing to go to great lengths, including making personal sacrifices, to ensure it met her high standards and benefited the animal shelter.

- (b) The passage discusses how urban gardening allows city residents to grow their own produce, thereby providing fresh and organic food, fostering community relationships, and enhancing environmental sustainability. It highlights the benefits of urban gardening and acknowledges the challenges faced but does not emphasize it as merely decorative, expensive, or a practice for rural individuals seeking city experiences. Therefore, option B best encapsulates the main points of the passage.
- 3. **(a)** India deserves a far bigger share of world trade considering its vast resources.
- 4. (a) Every where in the passage we find that the author favours India gaining an edge over China. The author, throughout the passage, is highlighting China's own prospective while they are helping the Africans.

#### Composition

- (d) All the sentences except D are following some other sentences as they appear to be linked with something that has been said earlier. So, D will be the introductory sentence. B will follow D as it correctly makes a link with the 'priority' mentioned in D. A will come next as it explains why 'this planning (mentioned in B)' may go wrong. E will fall next as it tries to find the solution by asking two important questions. Finally, C with the two questions will conclude the paragraph.
- 2. (a)

1.

#### **PART II : LOGICAL REASONING**

I. VERBAL REASONING Analogy & Coding-Decoding

1. (a) As

2024-9

where the place value of L is 12, U is 21, C is 3 and K is 11, So the last number is written with the present letter.

Same as,

2. (d) The colour of human blood is red. Here *white* means *red*. Therefore *white* is our answer.

Do not opt for *black* because *red* means *black* implies that black is called red.

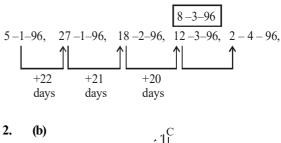
- **3.** (a) Substitute numbers for letters : 312214
- (a) A successful completion of 'Education' equips one with 'Diploma'. Similary, a successful completion in 'Sports' equips one with 'Trophy'.
- 5. (b)
- 6. (c) According to english alphabet, resultant group will be as follows:
  - PRINCE
  - CEUNPR

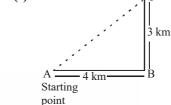
Only two letters 'I and N' will remain unchanged.

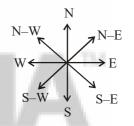
7. (d) 
$$\begin{bmatrix} N \ A \ T \ I \ O \ N \end{bmatrix}$$
  $\begin{bmatrix} I \ O \ V \end{bmatrix}$   $\begin{bmatrix} I \ O \$ 

8. (a) The colour of clean sky is blue and blue means green. Hence, the colour of clean sky is green.

#### **Classification or Odd Man Out**

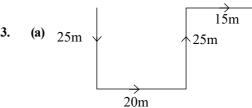






according to the question. by Pythagoras theorem,  $AC^2 = BC^2 + AB^2$  $AC^2 = 3^2 + 4^2$  $AC^2 = 9 + 16$  $AC = \sqrt{25} = 5 \text{ Km}$ 

So, Raju is 5 Km far from his initial point and Raju is North-East direction from initial point.



:. Rohit is 35 m east.

#### Series

1. **(b)** m m l l m <u>m l l</u> m m <u>l</u> l

3.

- 2. (c) In fig (A),  $(3 \times 3) + (6 \times 5) = 39$ In fig (B),  $(4 \times 4) + (5 \times 7) = 51$  $\therefore$  In fig (C), missing number  $=(3 \times 4) + (5 \times 5) = 37$ 
  - **(b)** 41 29. 33, 57, 27, +4+8+2+16
- 4. **(b)** 12, 18, 30 is multiple of 6. 16, 32, 40 is multiple of 8. 36, 18, 27 is multiple of 9.

5. (c) The series is babb/bbab/bbba/bbbb. Thus, in each sequence, 'a' moves one step forward and 'b' takes its place and finally in the fourth sequence, it is eliminated.

#### Logical Deduction

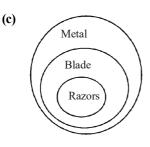
1. 18K3Q7J2T8 (d)  $18 \div 3 + 7 \times 2 - 8$ 

20 - 8 = 12

2. (a)

3.

4.



only conclusion 2 follows.

- (d) The female members are:-
  - (i) mother
  - (ii) Wives of 3 married sons
  - unmarried daughter (iii)

(iv) 2 daughter of each of two sons : Total No of females

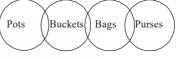
$$= 1 + 3 + 1 + 2 \times 2 = 9$$

5. (c) Sister of my brother = My sister Father of my sister = My father Daughter of my father = My sister

- The male members in the family are:-6. (d)
  - The man himself (i)
  - (ii) his four sons; and
  - (iii) his  $(3 \times 4) = 12$  grandsons.

Hence total number of male members = 1 + 4 + 12 = 17

#### 7. (b) Venn-Diagram Representation:

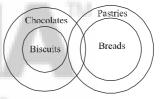


#### **Conclusions:**

False П. False



L



**Conclusions:** 

Only II follows.

(

8.

9.

b) 
$$\begin{array}{c} + \Rightarrow \div & - \Rightarrow \times \\ \hline \div \Rightarrow + & \times \Rightarrow - \end{array}$$

$$63 \times 24 + 8 \div 4 + 2 - 3 = ?$$
  
or,  $? = 63 - 24 \div 8 + 4 \div 2 \times 3$ 

or, 
$$? = 63 - 3 + 2 \times 3$$

or, 
$$? = 66$$

**10.** (d) Arrangement as per height:

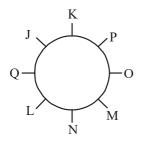
C > D > A > E > B(Middle)

(c) Required area common to  $\Delta$ ,  $\bigcirc$ ,  $\bigcup$ . i.e. 11. 9

#### 5. Chart Logic

#### (Sol. 1-3):

Seating arrangement is as follows:



**1.** (b)

2. (c)

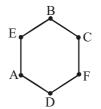
**3.** (d)

(Sol. 4-5) :

- 4. (c) D is most likely to have scored 87% marks.
- 5. (d) B scored more than D. There-fore, B must have scored more than 97% marks.
- 6. (c) Area common to  $\bigcirc$  and  $\triangle$ .

#### (Sol. 7-9):

The following hexagonal arrangement is possible.



- 7. (c) The other neighbour of A is E.
- 8. (a) F is placed opposite to E.
- 9. (b) Clearly, C is the required person.

#### II. NON-VERBAL REASONING Pattern Perception or Completion of Figures

- 1. (b) 2. (c) Figure Formation & Analysis
- 1. (c)

1. (a)

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