

CUET (UG)



GENERAL TEST

As Per Latest NTA Pattern

With CUET CHAPTER-WISE
PAST YEAR QUESTIONS

& **SAMPLE
PAPERS**



HIGHLIGHTS

- Previous Year Paper Analysis
- CUET NTA Sample Paper with Solutions
- **1000+** Practice Questions with Solutions
- General Knowledge
- General Mental Ability
- Numerical Ability
- Quantitative Reasoning
- Logical and Analytical Reasoning
- Elaborated Solutions
- Current Affairs with QR Code

2025
EXAMINATION

3rd Edition

CUET 2024 Solved Paper



Gaurav Kumar

Paper Analysis



Chapter-wise Analysis of Question Paper 2024

S. No.	Name of the Chapter	NTA CUET Question Paper 2024	
		Nos. of Que.	%
1.	GENERAL AWARENESS	25	
1.1	History	3	5.00
1.2	Geography	6	10.00
1.3	Indian Polity	2	3.33
1.4	Economy	1	1.67
1.5	Science	3	5.00
1.6	General Knowledge	5	8.33
1.7	Current Affairs	5	8.33
2.	LOGICAL REASONING	18	
2.1	Analogy & Classification	1	1.67
2.2	Series	2	3.33
2.3	Coding & Decoding	2	3.33
2.4	Blood Relations	1	1.67
2.5	Directions & Distance	1	1.67
2.6	Order & Ranking	1	1.67
2.7	Mathematical Operations	-	-
2.8	Logical Sequence of Words	-	-
2.9	Clock & Calendar	2	3.33
2.10	Venn Diagrams & Number Puzzle	1	1.67
2.11	Cube & Dice	-	-
2.12	Statement & Conclusion	2	3.33
2.13	Sitting Arrangement & Puzzle Test	1	1.67
2.14	Non-Verbal Reasoning	4	5.00
3.	NUMERICAL ABILITY	17	
3.1	Number System	2	3.33
3.2	HCF and LCM	1	1.67
3.3	Average & Ages	2	3.33
3.4	Percentage	1	1.67
3.5	Ratio & Proportion and Partnership	1	1.67

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Previous Year Solved Papers, Current Affairs and Sample Papers

Previous Year Solved Papers



SCAN ME!

Chapter-wise Previous Years' Questions are covered inside this book.

To practice paper-wise, access through QR code

One Sample Paper has been provided at the end of the book. To get more, scan this QR code



SCAN ME!

Sample Papers (2-5)

Current Affairs of upcoming months



SCAN ME!

November Current Affairs have been provided inside. Scan this QR code to get Monthly Current Affairs of previous and upcoming months



CUET NTA Previous Year Solved Paper - 2024

Instructions

Attempt only 50 questions out of the given 60 questions. Each question carries 5 marks. 1 mark will be deducted for a wrong answer.

Full Marks: 250

(Time: 60 Minutes)

1. Match List-I with List-II:

List-I (Centre of Handicraft)		List-II (State)	
(A)	Mon	(I)	Arunachal Pradesh
(B)	Nalbari	(II)	Assam
(C)	Pasighat	(III)	Meghalaya
(D)	Tura	(IV)	Nagaland

Choose the correct answer from the options given below.

- (a) (A)-(IV), (B)-(II), (C)-(I), (D)-(III)
(b) (A)-(I), (B)-(III), (C)-(IV), (D)-(II)
(c) (A)-(IV), (B)-(III), (C)-(I), (D)-(II)
(d) (A)-(I), (B)-(II), (C)-(IV), (D)-(III)
2. Who has been appointed the Chairman of the 16th Finance Commission of India?
- (a) Ajay Narayan Jha
(b) Smt. Annie George Mathew
(c) Pradip Kumar Mohanty
(d) Dr. Arvind Panagariya
3. Sri Ranganathaswamy Temple which is situated in Tamil Nadu, is dedicated to which deity?
- (a) Lord Shiva
(b) Lord Vishnu
(c) Goddess Durga
(d) Goddess Lakshmi

4. The Election Commission of India gets the power to conduct elections from which of the following articles?
- (a) Article 324 (b) Article 280
(c) Article 264 (d) Article 26
5. In which state is "Amchang Wildlife Sanctuary" located?
- (a) Assam (b) Rajasthan
(c) Odisha (d) Manipur
6. India's first 3D-printed Post Office has been inaugurated in:
- (a) Guwahati (b) Kolkata
(c) Mumbai (d) Bengaluru
7. What should come in the place of the question mark (?) in the following alphanumeric series?
A1X, B4P, E25J, J100F, ?
- (a) O289D (b) O225E
(c) Q289D (d) Q225E
8. In the given analogy, choose the word which will replace the question mark:
NEGI: MVTR :: SING: ?
- (a) TRNS (b) TRNT
(c) FRMT (d) HRMT
9. In a certain code language 'ki ru pi' means 'nobody like cruel', 'ki mi cha' means 'king was cruel' and 'ru pi cha' means 'nobody like king'. What is the code for 'was' in the given code language?
- (a) ki (b) mi
(c) cha (d) ru

44. Match List-I with List-II

List-I (Person)		List-II (Area of work)	
(A)	Vishakhadatta	(I)	Medicine
(B)	Kartikeya Sarabhai	(II)	Poet
(C)	Charaka	(III)	Environmentalist
(D)	Satyendra Nath Bose	(IV)	Mathematics

Choose the correct answer from the options given below:

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

45. The following states were formed after 1960. What was the correct sequence of their formation?

- (A) Haryana (B) Sikkim
 (C) Nagaland (D) Goa

Choose the correct answer from the options given below:

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

46. Out of the given options, which scheme's objective is to conduct an annual survey at the gram panchayat level to monitor the progress in the development process of rural areas?

- (a) Mission Antyodaya (2022-23)
 (b) Mission Karmayogi (2022-23)
 (c) Mission Rashtriya Gokul (2022-23)
 (d) Mission Atmanirbhar Bharat (2022-23)

47. Which one of the following countries is not a member of the "Quadrilateral Security Dialogue", also known as "QUAD"?

- (a) China (b) Japan
 (c) India (d) Australia

48. Who has become the first woman chairperson of the Railway Board of Indian Railways in 2023?

- (a) Jaya Verma Sinha
 (b) Mita Vashisth
 (c) Ravneet Kaur
 (d) Vasudha Gupta

49. Match List-I with List-II

List-I (Country)		List-II (Currency)	
(A)	Myanmar	(I)	Ruble
(B)	Russia	(II)	Ngultrum
(C)	Malaysia	(III)	Kyat
(D)	Bhutan	(IV)	Ringgit

Choose the correct answer from the options given below:

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

50. "Jhulaghat Suspension Bridge" between India and which country has become fully operational now?

- (a) Bhutan (b) Nepal
 (c) China (d) Myanmar

51. Due to ocean acidification when the ocean becomes more acidic, what happens to the pH level of the ocean?

- (a) The pH level goes down.
 (b) The pH level stays the same.
 (c) The pH level goes up.
 (d) The pH level becomes zero.

52. Who is the first para-athlete to receive the Padma Bhushan award in India?

- (a) Bhavina Patel
 (b) Devendra Jhajharia
 (c) Avani Lekhara
 (d) Mariyappan Thangavelu

53. Zemu Glacier is located in which state of India?

- (a) Uttarakhand
 (b) Himachal Pradesh
 (c) Sikkim
 (d) Arunachal Pradesh

54. Who among the following is Chile's first woman President?
- (a) Mary Robinson
(b) Michelle Bachelet
(c) Kim Campbell
(d) Jennifer Shipley
55. Which organisation developed and launched 'Ugram', indigenous Assault Rifle for the armed forces?
- (a) ISRO (b) BEL
(c) HAL (d) DRDO
56. Which of the following substances is a bad conductor of electricity?
- (a) Diamond (b) Gold
(c) Silver (d) Graphite
57. Which of the following diseases is caused due to the deficiency of proteins?
- (a) Arthritis (b) Kwashiorkor
(c) Goitre (d) Night Blindness
58. Match List-I with List-II:

List-I Navy (Institution)		List-II (Place)	
(A)	INS Chika	(I)	Goa
(B)	INS Hansa	(II)	Andhra Pradesh
(C)	INS Satavahana	(III)	Kerala
(D)	INS Garuda	(IV)	Odisha

Choose the correct answer from the options given below:

- (a) (A)-(III), (B)-(I), (C)-(II), (D)-(IV)
(b) (A)-(I), (B)-(IV), (C)-(II), (D)-(III)
(c) (A)-(IV), (B)-(I), (C)-(III), (D)-(II)
(d) (A)-(IV), (B)-(I), (C)-(II), (D)-(III)
59. DRDO has conducted the first successful flight test of Agni-5 missile equipped with MIRV technology. What is the full form of MIRV?
- (a) Multiple Independently Targetable Re-Entry Vehicle
(b) Mission India Target Re-Entry Vehicle
(c) Multiple Independently Technology Re-Entry Vehicle
(d) Multiple Indirect Targetable Re-Entry Vehicle
60. Which Indian has won the "Ramon Magsaysay Award-2023"?
- (a) Korvi Rakshand
(b) Ashwini Kumar
(c) Dipti Ranjan Sahoo
(d) Dr. Ravi Kannan R.

Explanation

1. (a) (A)-(IV), (B)-(II), (C)-(I), (D)-(III)

List-I (Centre of Handicraft)		List-II (State)	
(A)	Mon	(IV)	Nagaland
(B)	Nalbari	(II)	Assam
(C)	Pasighat	(I)	Arunachal Pradesh
(D)	Tura	(III)	Meghalaya

2. (d) The Centre constituted the 16th Finance Commission on December 31, 2023, naming former Niti Aayog Vice Chairman Arvind Panagariya

as the Chairman. The Sixteenth Finance Commission will submit its recommendations by October 31, 2025.

3. (b) Sri Ranganathaswamy Temple, also known as Thiruvarama Tirupati, is a famous Vaishnav temple in India dedicated to Ranganatha, a reclining form of Lord Vishnu. Located on the island of Srirangam between the rivers Cauvery and Kollidam, this temple is an important pilgrimage site and is considered the most significant among the 108 Divya Desams dedicated to Lord Vishnu.

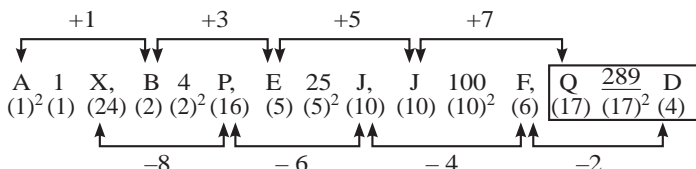
4. (a) The Election Commission of India gets the power to conduct elections from Article 324 of the Indian Constitution. This article provides the authority to the Election Commission to supervise, direct, and control the preparation of electoral rolls and the conduct of elections in India.
5. (a) Amchang Wildlife Sanctuary is located on the eastern edge of Guwahati in Assam, India. It has tropical moist deciduous and semi-evergreen forests. The sanctuary is home to rare animals like elephants, Chinese pangolins, and leopards, as well as various birds such

as the White-backed vulture and Great pied hornbill. It was established in 2004 by combining three reserved forests and is known for its rich biodiversity.

6. (d) India's first 3D-printed Post Office has been inaugurated in Bengaluru. This innovative post office, constructed using 3D printing technology, marks a significant step in the advancement of infrastructure development in India. The 3D printing technique used for the construction is faster, cost-effective, and environmentally friendly, showcasing the potential for modernizing public facilities with cutting-edge technology.

7. (c) Logic:-

- I. The first letter increases in the order +1, +3, +5, +7,...
- II. The second numbers is the square of positional value of the first letter.
- III. The third letter decreases in the order 8, 6, 4, 2,...



8. (d) As,

Opposite Letters
 $\begin{matrix} N & E & G & I \\ \downarrow & \downarrow & \downarrow & \downarrow \\ M & V & T & R \end{matrix}$

Similarly,

Opposite Letters
 $\begin{matrix} S & I & N & G \\ \downarrow & \downarrow & \downarrow & \downarrow \\ H & R & M & T \end{matrix}$

9. (b)

$\begin{matrix} \triangle \\ ki \end{matrix}$ ru pi \rightarrow nobody like $\begin{matrix} \triangle \\ cruel \end{matrix}$
 $\begin{matrix} \triangle \\ ki \end{matrix}$ mi $\begin{matrix} \square \\ cha \end{matrix} \rightarrow \begin{matrix} \square \\ king \end{matrix}$ was $\begin{matrix} \triangle \\ cruel \end{matrix}$
 ru pi $\begin{matrix} \square \\ cha \end{matrix} \rightarrow$ nobody like king

So, was coded as 'mi'

10. (d)

Symbol	Relation
%	Sister
+	Son
\times	Husband
-	Brother

$A \times U \% S + G$

$A^+ = U - \frac{\text{sister}}{S^+}$

Here, A is the son-in-law of G.

11. (b) 26th January 2020 = Sunday.

Number of odd days from 26th jan 2020 to 16th March 2020

$$= \frac{5 + 29 + 16}{7} = \frac{50}{7} = 1 \text{ odd days.}$$

16th march 2020 = Sunday + 1 = Monday



Important Current Affairs for CUET 2024 (June)

Scan this QR Code to download Current Affairs of upcoming months.

National Affairs

Vice President inaugurates Prerna Sthal

- Vice President Jagdeep Dhankar inaugurated the 'Prerna Sthal' on the Parliament House premises, where 15 statues of prominent freedom fighters and historical icons, including Mahatma Gandhi and B.R. Ambedkar, have been relocated to a single site.

DGCA Issues Circular to Promote Gender Equality in Aviation

- India's Directorate General of Civil Aviation (DGCA) issued an advisory circular titled "Gender Equality in Civil Aviation Sector," aiming to achieve 25% representation of women in the aviation workforce by 2025.
- The circular aligns with the gender equality principles of the Indian Constitution and the International Civil Aviation Organization (ICAO), emphasizing equal opportunities in aviation.

India's Project ISHAN

- India has embarked on a huge initiative called ISHAN (Indian Single Sky Harmonized Air Traffic Management), which is a historic step toward revolutionizing air transport.
- This project, which promises several advantages for both airlines and travelers, attempts to unify the nation's dispersed airspace into a single entity.

First Lok Sabha Speaker in 20 years to be re-elected as MP

- On June 4, 2024, outgoing Lok Sabha Speaker Om Birla won the Kota parliamentary seat by a significant margin.
- Lok Sabha Speaker Om Birla won the Kota parliamentary seat by a margin of more than 41,139 votes on June 4, thus becoming the first presiding officer in 20 years to be re-elected to the Lower House.

Government Raises Retirement & Death Gratuity Limits

- The Indian government has raised the maximum limit of retirement and death gratuity from Rs 20 lakh to Rs 25 lakh for Central government employees, effective January 1, 2024.
- Ministry of Personnel, Public Grievances and Pensions has issued an official memorandum in this regard.

International Affairs

Bridge of National Unity

- Hungary has introduced the 'Bridge of National Unity,' a striking 700-meter-long pedestrian bridge that spans the majestic Danube River in Budapest.
- Representing a symbol of unity, this architectural marvel stands as a testament to Hungary's rich heritage and progressive vision.
- The unveiling of this iconic bridge has garnered widespread attention, with its inauguration attended by dignitaries and citizens alike.

SECTION

A

GENERAL KNOWLEDGE

01

Parliament of India, Countries and their Parliament

The **Parliament of India** is the supreme legislative body in India. The Parliament comprises the President of India and the two **Houses-Lok Sabha** (House of the People) and **Rajya Sabha** (Council of States).

India's government is bicameral; Rajya Sabha is the upper house and Lok Sabha is the lower house. The two Houses meet in separate chambers in the Sansad Bhavan in New Delhi.

Those elected or nominated (by the President) to either house of Parliament are referred to as members of parliament or MPs. The MPs of Lok Sabha are directly elected by the Indian people and the MPs of Rajya Sabha are elected by the members of the State Legislative Assemblies, in accordance with proportional representation. The Parliament is composed of 800 MPs, who serve the largest democratic electorate in the world.

Session of Parliament

The period during which the House meets to conduct its business is called a session. The Parliament must meet at least twice a year. In India, the parliament conducts three sessions each year.

- **Budget session:** February to May.
- **Monsoon session:** July to September.
- **Winter session:** November to December

Some Important Post Hold

Chairman of Rajya Sabha	Shri Jagdeep Dhankar (Vice president)
Speaker of Lok Sabha	Mr. Om Birla

* Term of Members of Rajya Sabha – 6 yrs

* Term of Members of Lok Sabha – 5 yrs

Countries and their Parliament

S. No.	Country	Name of Parliament
1.	Afghanistan	Shora
2.	Argentina	National Congress
3.	Australia	Commonwealth Parliament

S. No.	Country	Name of Parliament
4.	Bangladesh	Jatiya Sangsad
5.	Bhutan	Tshogdu
6.	Brazil	National Congress
7.	Bulgaria	Narodno Sabranie (National Assembly)
8.	Myanmar	Pyithu Hluttaw
9.	Cambodia	National Assembly
10.	Canada	Parliament of Canada
11.	China (Mainland)	Quanguo Renmin Daibiao Dahui (National People's Congress)
12.	Colombia	Congress of the Republic
13.	Cuba	National Assembly of People's power
14.	Denmark	Folketing
15.	Ethiopia	National Assembly
16.	France	Parlement Francais
17.	Germany (United)	The Bundestag
18.	Iceland	Althing
19.	India	Sansad (Lok Sabha - Lower House) (Rajya Sabha - Upper House)
20.	Indonesia	People's Consultative Assembly and House of Representatives
21.	Iran	Majles
22.	Iraq	National Assembly
23.	Israel	The Knesset
24.	Japan	The Diet
25.	Libya	General People's Congress
26.	Maldives	Majlis
27.	Mongolia	The State Great Hural
28.	Nepal	National panchayat
29.	New Zealand	House of Representatives
30.	Poland	Sejm
31.	South Africa	National Assembly
32.	Spain	Cortes Generales (General Courts)
33.	Surinam	Staten
34.	Sweden	Riksdagen
35.	United Kingdom (UK)	Parliament (House of Commons and House of Lords)
36.	United States	Congress (House of Representatives and Senate)

Civilian Awards

With Ranking Order



CUET Past Year Questions

1. The chairman of Drafting Committee of the constitution was: [2023]
(Dr. B. R. Ambedkar)
2. Who appoints the chairman of the Union Public Service Commission: [2023]
(President)
3. In which year “Panchayati Raj” was passed in Lok Sabha and Rajya Sabha? [2023]
(1989)
4. Which of the following are true regarding Supreme Court of India? [2023]
 - A. Its decisions are binding on all Courts
 - B. Can transfer judges of High Courts
 - C. Can move cases from any court to itself
 - D. Can deal with cases within the jurisdiction of the state(A, B, C only)

02

Indian Polity

Making of the Constituent Assembly

The Indian National Congress, for the first time, officially called for a Constituent Assembly in 1935. M. N. Roy first gave the idea of Constituent Assembly for India.

The British government accepted this demand in the ‘August Offer’ of 1940. Subsequently, ‘the Cripps Proposal’ on the framing of the Constitution was presented in 1942.

The Constituent Assembly was established in 1946 as part of the ‘Cabinet Mission Plan’.

Its main features were

- The total strength of the Constituent Assembly was 389 members, with 296 allotted to British India and 93 to Princely states.

A series of observations, measurements or facts associated with any event is called data. Data can be in form of figures or statements.

Data Interpretation

Data interpretation refers to the process of reviewing provided data and to use these data for calculating the required value. The data can be provided in various forms like in table format, pie chart, line graph, bar graph etc.

Tabular Form DI

A tabular chart, also known as a table, is a systematic arrangement of data in rows and columns. It provides a clear and organized format for presenting and comparing data. Tabular charts are commonly used to display numerical values, text data, or a combination of both in a structured manner.

Table chart showing the number of males and females attending different sports.

Sporting Events	Male	Female
Football	34	1
Basketball	10	10
Volleyball	4	3
Tennis	3	24
Badminton	6	3

E.g.: The following table shows the number (in thousands) of T-Shirts of different size sold by a company over the year.

Year	Size of T-Shirts					Total
	S	M	L	XL	XXL	
1992	75	144	114	102	108	543
1993	90	126	102	84	126	528
1994	96	114	75	105	135	525
1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	150	160	121	144	690

Example 1: What was the percentage increase in the sales of XXL T-shirts in 1998 compared to that in 1992?

- (a) 33.33% (b) 25%
(c) 33% (d) 20%

Solution: (a) Required percentage = $\left[\frac{(144 - 108)}{108} \times 100 \right] \% = \frac{36}{108} \times 100\%$
 $= \frac{100}{3} \% = 33.33\%$

Example 2: What is the difference in the number of XL T-shirts sold in 1993 and 1997?

- (a) 24000 (b) 28000 (c) 35000 (d) 39000

Solution: (d) Required difference = $[(84 - 45) \times 1000] = 39000$.

Solution: (c) Number of employees working in Q and S together in 2018
 $= 500 + 300 = 800$
 Number of employees working in R and T together in the year 2019
 $= 600 + 400 = 1000$
 Required ratio $= 800 : 1000 = 4 : 5$

Example 6: The number of employees working in the company R in 2019 is what percent of the number of employees working in company S in 2019?

- (a) 100% (b) 300% (c) 150% (d) 250%

Solution: (b) Number of employees working in the company R in the year 2019 = 600
 Number of employees working in company S in 2019 = 200

$$\text{Required \%} = \frac{600}{200} \times 100\% = 300\%$$

Example 7: Find the average number of employees working in all the companies together in 2018.

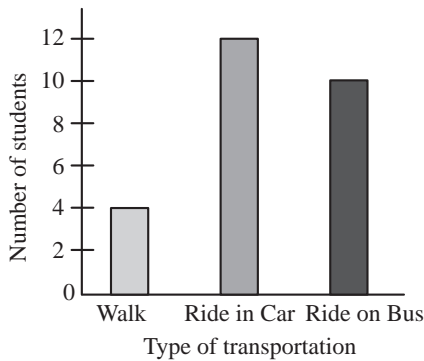
- (a) 420 (b) 380 (c) 290 (d) 210

Solution: (a) Required average $= \frac{(400 + 500 + 300 + 300 + 600)}{5} = \frac{2100}{5} = 420$

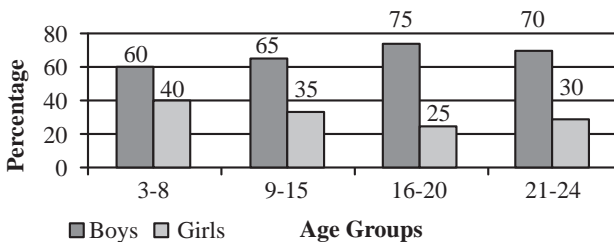
Bar Graph DI

A bar graph is a visual representation of data using rectangular bars of varying lengths. Each bar represents a category or value, and the height of the bar corresponds to the quantity or frequency of that category. Bar graphs are useful for comparing and analyzing data across different categories.

The given bar graph shows the number of students (in hundred) different type of transportation in a school.



E.g.: Following graph depicts the number of boys and girls, in various age groups, studying at a school.



Solution: (a) Only Geography is portion 'c' if it is 32 then portion 'a' will be
 $= 67 - (13 + 14 + 32) = 67 - 59 = 8$
 Now, number of students of English will be $= 14 + 25 + 16 + 8 = 63$

Example 18: If there are 123 students in the class and 32 students study only Geography, how many students study Economics?

- (a) 67 (b) 62 (c) 63 (d) 52

Solution: (d) We have, total student in the class = 123
 \Rightarrow Students of geography + 25 + 16 + b = 123
 $\Rightarrow 67 + 25 + 16 + b = 123 \Rightarrow b = 123 - 108 = 15$
 \therefore Number of students who study economics
 $= 13 + a + 16 + b$ [$\because a = 8$]
 $= 13 + 8 + 16 + 15 = 52$

Example 19: If there are 123 students in the class and 32 students study only geography.

- (a) 28 (b) 60 (c) 68 (d) 54

Solution: (b) The number of students who study economics or geography or both but not all three. $= c + 13 + b = 32 + 13 + 15 = 60$



Exercise

Direction (Q. 1-3): Study the following table and answer the questions based on it.

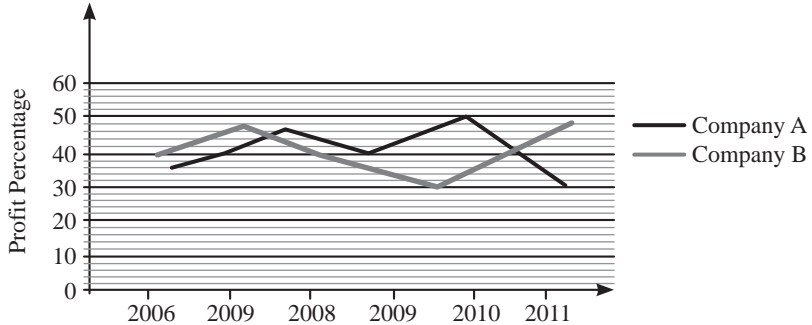
Expenditures of a Government (in Crore Rupees) Per Annum Over the Given Years.

Year	Expenditure				
	Health	Education	Social Welfare	Housing	Transport and Communication
1998	288	98	3.00	23.4	83
1999	332	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

- What is the average amount spent on housing per year by the government during this period?
 (a) ₹ 32.43 Crore (b) ₹ 33.72 Crore
 (c) ₹ 34.18 Crore (d) ₹ 36.66 Crore
- The total amount spent by government on social welfare during the given period is approximately what percent of the total amount spent on health during this period?
 (a) 0.1% (b) 0.5% (c) 1% (d) 1.25%
- The total expenditure of the government over these items during the year 2000 is
 (a) ₹ 544.44 Crore (b) ₹ 501.11 Crore
 (c) ₹ 446.46 Crore (d) ₹ 478.87 Crore

Direction (Q. 4-6): Study the following graph carefully to answer the questions that follow:

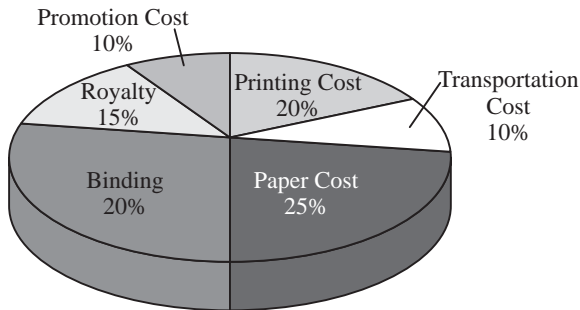
Percentage Profit made by Two Companies over the Years



4. What is the average profit earned by company B over all the years together?
 (a) 39.34 (b) 40 (c) 47.2 (d) 59
5. In the year 2010 the income of both the companies A and B was ₹ 100. What was the ratio of expenditure of companies A and B in 2010?
 (a) 15 : 13 (b) 25 : 21 (c) 12 : 17 (d) 13 : 8
6. Profit of A in 2006 is how much percentage more or less than that of B?
 (a) 10% more (b) 10% less (c) 20% more (d) 20% less

Direction (Q. 7-9): The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it.

Various Expenditures (in Percentage) Incurred in Publishing a Book



7. If for a certain quantity of books, the publisher has to pay ₹ 30,600 as printing cost, then what will be amount of royalty to be paid for these books?
 (a) ₹ 19,450 (b) ₹ 21,200 (c) ₹ 22,950 (d) ₹ 26,150
8. What is the central angle of the sector corresponding to the expenditure incurred on Royalty?
 (a) 15° (b) 24° (c) 54° (d) 48°
9. The price of the book is marked 20% above the C.P. If the marked price of the book is ₹ 180, then what is the cost of the paper used in a single copy of the book?
 (a) ₹ 36 (b) ₹ 37.50 (c) ₹ 42 (d) ₹ 44.25



Answer keys

(Scan QR Code for Detailed Explanations)

1. Number System

1. (b) 2. (d) 3. (d) 4. (a) 5. (a) 6. (b) 7. (c) 8. (a) 9. (b) 10. (c)
11. (d) 12. (a) 13. (a) 14. (b) 15. (c) 16. (d) 17. (a) 18. (d) 19. (c) 20. (c)
21. (b) 22. (d) 23. (b) 24. (a) 25. (c)

2. Simplification

1. (a) 2. (a) 3. (d) 4. (b) 5. (c) 6. (c) 7. (b) 8. (a) 9. (c) 10. (d)
11. (b) 12. (a) 13. (d) 14. (d) 15. (d) 16. (d) 17. (b) 18. (b) 19. (c) 20. (b)
21. (b) 22. (c) 23. (c) 24. (c) 25. (a) 26. (a) 27. (d)

3. HCF and LCM

1. (c) 2. (c) 3. (a) 4. (d) 5. (c) 6. (a) 7. (c) 8. (c) 9. (c) 10. (d)
11. (c) 12. (d) 13. (c) 14. (b) 15. (d) 16. (c)

4. Square and Cube Root

1. (d) 2. (a) 3. (b) 4. (a) 5. (b) 6. (d) 7. (d) 8. (b) 9. (d) 10. (b)
11. (d) 12. (b) 13. (a) 14. (c)

5. Average and Ages

1. (b) 2. (c) 3. (a) 4. (a) 5. (b) 6. (b) 7. (d) 8. (a) 9. (a) 10. (b)
11. (a) 12. (b) 13. (c) 14. (b) 15. (c) 16. (d) 17. (c) 18. (d) 19. (a) 20. (b)
21. (d) 22. (d) 23. (b) 24. (b) 25. (d) 26. (b) 27. (c)

6. Percentage

1. (c) 2. (d) 3. (d) 4. (b) 5. (c) 6. (b) 7. (c) 8. (b) 9. (b) 10. (c)
11. (c) 12. (a) 13. (b) 14. (d) 15. (c) 16. (d) 17. (c) 18. (b) 19. (d) 20. (b)
21. (b) 22. (a) 23. (b) 24. (a) 25. (d)

7. Ratio and Proportion and Partnership

1. (a) 2. (c) 3. (d) 4. (d) 5. (a) 6. (a) 7. (c) 8. (b) 9. (c) 10. (c)
11. (b) 12. (b) 13. (d) 14. (a) 15. (c) 16. (d) 17. (b) 18. (a) 19. (a) 20. (c)

8. Profit, Loss and Discount

1. (b) 2. (a) 3. (c) 4. (b) 5. (d) 6. (d) 7. (b) 8. (c) 9. (b) 10. (a)
11. (a) 12. (a) 13. (b) 14. (b) 15. (b) 16. (c) 17. (d) 18. (d) 19. (b) 20. (b)

9. Time and Work

1. (c) 2. (b) 3. (d) 4. (a) 5. (c) 6. (a) 7. (c) 8. (b) 9. (a) 10. (b)
11. (a) 12. (b) 13. (c) 14. (b) 15. (b) 16. (b) 17. (d) 18. (a) 19. (b) 20. (c)
21. (a) 22. (d) 23. (d) 24. (b)

Instructions

Attempt only 50 questions out of the given 60 questions. Each question carries 5 marks. 1 mark will be deducted for a wrong answer.

Full Marks: 250

(Time: 60 Minutes)

- Which of the following Scheme was recently discontinued by the Ministry of Minority Affairs (MoMA)?
(a) Pradhan Mantri Kaushal Vikas Yojana
(b) Pradhan Mantri Jan Vikas Karyakram
(c) Seekho aur Kamao Scheme
(d) Padho Pardesh Scheme
- Who is the current union minister of Commerce and Industry (MoCI)?
(a) Pralhad Joshi (b) Arjun Munda
(c) Piyush Goyal (d) Virendra Kumar
- The National Commission for Protection of Child Rights celebrated its Foundation Day on 2nd March, 2023.
(a) 18th (b) 13th (c) 15th (d) 11th
- The number of perfect square factors of 144 is
(a) 4 (b) 3 (c) 5 (d) 8
- In which state/UT, the National Board of Wildlife has approved the installation of the Indian Air Force's Mountain Radar?
(a) Uttarakhand
(b) Jammu & Kashmir
(c) Himachal Pradesh
(d) Ladakh
- Who is the present Lok Sabha Speaker?
(a) Om Birla
(b) M Venkaiah naidu
(c) Ramnath Kovind
(d) Narendra Modi
- Which country passed a gender recognition reform bill, making it easier to legally change gender.
(a) Italy (b) Scotland
(c) California (d) Ireland
- Complete the following series: 3, 7, 15, 31, 63,.....?
(a) 115 (b) 67 (c) 127 (d) 137
- Current : Ampere : : Pressure : ?
(a) Newton (b) Joule
(c) Pascal (d) None of these
- From the given alternative words, select the word which cannot be formed using the letters of the given word: CONTRIBUTION
(a) CAUTION (b) BUT
(c) BUTTON (d) NOON
- Where is Durand Line on maps?
(a) Between India and Pakistan
(b) Between India and China
(c) Between Pakistan and Afghanistan
(d) Between China and Afghanistan
- Find the area (in cm^2) of a circle whose circumference is 50π cm
(a) $676\pi \text{ cm}^2$ (b) $624\pi \text{ cm}^2$
(c) $625\pi \text{ cm}^2$ (d) $667\pi \text{ cm}^2$
- Who is the writer of Kumarasambhava?
(a) Panini (b) Varahmira
(c) Amara Sinha (d) Kalidasa

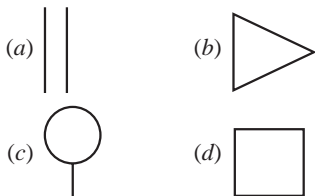
14. What is the full form of IRCTC?

- (a) Indian Railways Catering & Tourism Corporation
- (b) International Railways Caters of & Tourism Corporation
- (c) Indian Roadways Caters of & Tourism Corporation
- (d) Indian Railways Communication & Tourism Corporation

15. In which state 'Ramgarh Vishdhari Tiger Reserve' is located?

- (a) Maharashtra
- (b) Madhya Pradesh
- (c) Gujarat
- (d) Rajasthan

16. Find the Odd One Out.



17. Who among the following is the first woman to win the Nobel Prize in physics & chemistry?

- (a) Marie Curies
- (b) Rosalind Franklin
- (c) Lise Meitner
- (d) Dorothy Hodgkin

18. **Statement:** Advertisers are charged more money for their ads by the Channels during IPL.

Conclusions:

- (i) More Viewers watch the TV during IPL
- (ii) Advertisers are ready to pay more money during IPL
- (a) Only 1
- (b) Only 2
- (c) (1) and (2) both
- (d) Both are not correct

19. There are 5 friends in a group. One more friend joins them & the average weight of the group increases. If you have to find the weight of the 6th friend then.

(i) 6th friend increases the average weight by 10% & the new average weight is 66 Kgs.

- (ii) Average weight increases by 6 Kgs.
- (a) Only (i) is required
- (b) Only (ii) is required
- (c) (i) and (ii) both required
- (d) Can't be determined.

20. If $a : b = 2 : 3$, find the value of $(3a + 5b) : (3a - b)$

- (a) 2 : 7 (b) 7 : 1 (c) 2 : 5 (d) 4 : 9

21. If 5278 is squared, then what will be at unit place?

- (a) 8 (b) 7 (c) 6 (d) 4

22. Pipe A can fill the tank 3 times faster in comparison to pipe B it takes 36 minutes for pipe A and B to fill the tank together. How much time will pipe B alone take to fill the tank?

- (a) 100 minutes (b) 124 minutes
- (c) 134 minutes (d) 144 minutes

23. $[3p^2qr^{-2}] / (2p^{-1}q^3)]^2 \div (2p^3r)^{-1} = ?$

- (a) $9p^6/2q^2r$ (b) $9p^6/2q^4r$
- (c) $9p^9/2q^4r^3$ (d) $9p^9/2q^2r^3$

24. Find the value of x in $\{[(2/5)^2]^4\}^{x+2} = \{[(2/5)^{-2}]^{(x-1)}\}^{-3}$?

- (a) -13 (b) -11 (c) 11 (d) 13

25. All students in my class are bright. Manish is not bright.

- (a) Some students are not bright.
- (b) Manish must work hard.
- (c) Non-bright ones are not students.
- (d) Manish is not a student of my class.

26. DEF, DEF₂, DE₂F₂, _____, D₂E₂F₃

- (a) DEF₃ (b) D₃EF₃
- (c) D₂E₃F (d) D₂E₂F₂

27. Which Lake was declared Ladakh's 1st biodiversity heritage site.

- (a) Manasbal Lake (b) Nako Lake
- (c) Tilyar Lake (d) Yaya Tso Lake

28. Which of the following books, Published in 2023, is a historical Novel set in the Mughal Empire, written by Salman Rushdie?

- (a) Victory city
- (b) The Last Heroes
- (c) The Best of Satyajit Ray
- (d) The Golden House

55. Complete the following series: G, I, L, P, U,...?
 (a) B (b) Y
 (c) Z (d) A
56. In a queue, Rahul is eighteenth from the front and John is fifteenth from the end, while Monika is in between Rahul and John. If Rahul be ahead of John and there be 58 persons in the queue, how many person's are there between Rahul and Monika?
 (a) 12 (b) 7
 (c) 15 (d) 25
57. A grocer has a sale of ₹ 6435, ₹ 6927, ₹ 6855, ₹ 7230 and ₹ 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of ₹ 6500?
- (a) ₹ 4991 (b) ₹ 5991
 (c) ₹ 6001 (d) ₹ 6991
58. The average age of three boys is 15 years. If their ages are in ratio 3 : 5 : 7, the age of the youngest boy is
 (a) 11 years (b) 7 years
 (c) 9 years (d) 12 years
59. Look at this series: 36, 34, 30, 28, 24, ____ What number should come next?
 (a) 20 (b) 22
 (c) 23 (d) 26
60. The product of two numbers is 1320 and their H.C.F. is 6. The L.C.M. of the numbers is
 (a) 210 (b) 220
 (c) 1314 (d) 1326

Answer Key

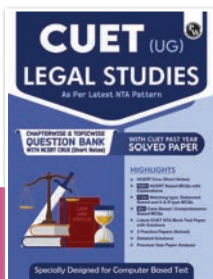
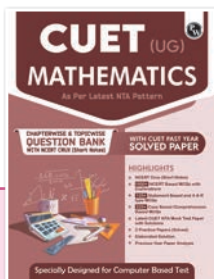
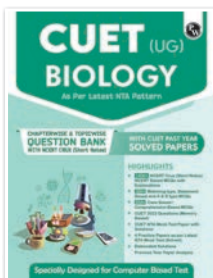
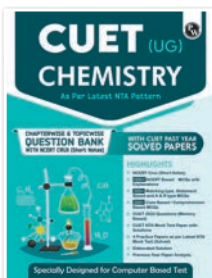
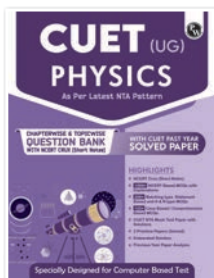
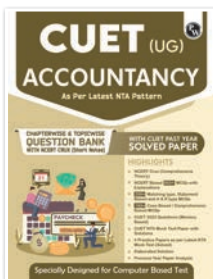
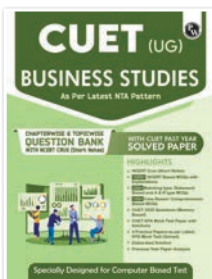
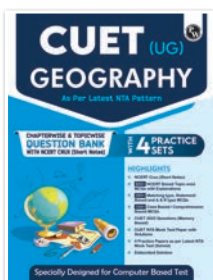
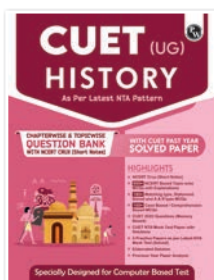
1. (d) 2. (c) 3. (a) 4. (c) 5. (d) 6. (a) 7. (b) 8. (c) 9. (c) 10. (a)
 11. (c) 12. (c) 13. (d) 14. (a) 15. (d) 16. (b) 17. (a) 18. (c) 19. (a) 20. (b)
 21. (d) 22. (d) 23. (c) 24. (b) 25. (d) 26. (d) 27. (d) 28. (a) 29. (d) 30. (d)
 31. (d) 32. (a) 33. (b) 34. (d) 35. (b) 36. (d) 37. (d) 38. (a) 39. (b) 40. (d)
 41. (b) 42. (b) 43. (c) 44. (d) 45. (d) 46. (a) 47. (b) 48. (a) 49. (b) 50. (c)
 51. (c) 52. (d) 53. (c) 54. (b) 55. (d) 56. (a) 57. (a) 58. (c) 59. (b) 60. (b)

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