I N D E X

Sr. No.	Content	Page No.
1.	General Knowledge & Current Affairs	1 : 24
2.	General Mental Ability & Numerical Ability	25 : 39
3.	Reasoning	40 : 49
4.	Logical & Analytical Reasoning	50 : 71
MOCK TEST		
	Mock Test : 1	73 : 81
	Mock Test : 2	82 : 91
	Mock Test : 3	92 : 100
	Mock Test : 4	101 : 110
	Mock Test : 5	111 : 120
	Mock Test : 6	121 : 130
	Mock Test : 7	131 : 140
	Mock Test : 8	141 : 150
	Mock Test : 9	151 : 161
	Mock Test : 10	162 : 172

NUMBER OF QUESTIONS ASKED IN CUET-UG GENERAL TEST (2022 to 2024)							
TOPIC		2022	2023		2024		
					Offline		Online
		06-Aug	21-May	07-Jun	15-May	29-May	19-Jul
1	*General Knowledge, Current Affairs*	30	21	21	25	26	28
2	*General Mental Ability, Numerical Ability*	8	16	11	13	16	15
3	*Reasoning*	17	7	9	6	2	6
4	*Logical and Analytical Reasoning*	20	15	19	16	16	11

CHAPTER 1

General Knowldege & Current Affairs

PREVIOUS YEAR EXAM QUESTIONS

[06 August 2022 Shift-1]

1. Actress and Model "Harnaaz Sandhu" was crowned as_____ in Dec 2021.

(1) Miss World 2021 (2) Miss India 2021
(3) Miss Universe 2021 (4) Miss Earth 2021

[06 August 2022 Shift-1]

2. Who is the first (chief of) Defence Staff of the Indian Armed forces?

(1) Field Marshal K. M Cariappa
(2) General Manoj Mukund Narayan
(3) General Bipin Rawat
(4) General Manoj Pande

[06 August 2022 Shift-1]

3. 'Neeraj Chopra' is associated with which sports event?

(1) Wrestling (2) Boxing
(3) Shooting (4) Javelin Throw

[06 August 2022 Shift-1]

4. What is the full form of NABARD?

(1) National Bank for Agriculture and Resource Development
(2) National Bank for Agriculture and Rural Development
(3) National Bank for Asian Research Development
(4) National Bank for Agriculture Related Development

[06 August 2022 Shift-1]

5. Match List I with List II

LIST I	**LIST II**
(Crematoriums (samadhi sthal)	**(Person)**
A. Ekta sthal	I. Jawahar Lal Nehru
B. Vijay Ghat	II. Rajiv Gandhi
C. Veer Bhumi	III. Lal Bahadur Shastri
D. Shanti Van	IV. Giani Zail Singh

Choose the correct answer from the option given below:

(1) A-I, B-II, C-III, D-IV (2) A-II, B-IV, C-I, D-III
(3) A-IV, B-III, C-II, D-I (4) A-III, B-I, C-IV, D-II

[06 August 2022 Shift-1]

6. Which of the following standing committee of parliament has no member from Rajya Sabha?

(1) Public Account committee
(2) Estimate Committee
(3) Committee on public undertaking
(4) Committee on government assurance

[06 August 2022 Shift-1]

7. New education policy. 2020 is goal to achieve 100% gross enrolment Ratio(GER) in school Education by the year _____.

(1) 2025 (2) 2030
(3) 2035 (4) 2040

[06 August 2022 Shift-1]

8. Which of the following date world environment day is celebrated?

(1) 21 June (2) 5 June
(3) 21 July (4) 22 March

[06 August 2022 Shift-1]

9. Which of the following seas has highest salinity in the world?

(1) Dead sea (2) Black sea
(3) Red sea (4) Mediterranean sea

[06 August 2022 Shift-1]

10. Which organisation published the Human Development Index (HDI) Report?

(1) UNDP (2) UNESCO
(3) IMF (4) UNICEF

[06 August 2022 Shift-1]

11. Penicillium is a _____.

(1) Virus (2) Algae
(3) Fungi (4) Bacteria

[06 August 2022 Shift-1]

12. Which one of the following is the correct sequence in the decreasing order of contribution of different sources to the gross domestic product (GDP) in India.

(1) Service- Industry-Agriculture
(2) Service-Agriculture-Industry
(3) Industry-Service-Agriculture
(4) Agriculture-Industry-service

[06 August 2022 Shift-1]

13. Match List I with List II

List I	List II
(Country)	**(Capital city)**
A. Ukrain	I. Kiev
B. Sri Lanka	II. Warsaw
C. Turkey	III. Colombo
D. Poland	IV. Ankara

Choose the correct answer from the options given below:

(1) A-I, B-III, C-II, D-IV (2) A-II, B-III, C-IV, D-I
(3) A-I, B-III, C-IV, D-II (4) A-I, B-II, C-III, D-IV

[06 August 2022 Shift-1]

14. Which one of the following bills must be passed by each house of the India parliament separately by special majority?

(1) Money Bill
(2) Finance Bill
(3) Ordinary Bill
(4) Constitutional Amendment Bill

[06 August 2022 Shift-1]

15. At the hill station, the boiling point of water will be _____.

(1) Same as at sea level
(2) More than that at sea level
(3) Less than that at sea level
(4) Equal to the melting point of Ice

[06 August 2022 Shift-1]

16. Match List I with List II

LIST I	LIST II
(Movement organization)	**(Founder)**
A. Brahmo Samaj	I. Henry Vivian Derozio
B. Satya shodhak samaj	II. Gopal Krishan Gokhale
C. Young Bengal Movement	III. Raja Ram Mohan Roy
D. Servant of India society	IV. Jyotiba Phule

Choose the correct answer from the options given below:

(1) A-I, B-II, C-III, D-IV (2) A-II, B-IV, C-I, D-III
(3) A-III, B-IV, C-II, D-I (4) A-III, B-IV, C-I, D-II

[06 August 2022 Shift-1]

17. The headquarter of RBI is situated at-

(1) Delhi (2) Kolkata
(3) Chennai (4) Mumbai

[06 August 2022 Shift-1]

18. Who is the chairperson of the 15th finance commission?

(1) Y. V. Reddy (2) N. K. Singh
(3) Vijay Kelkar (4) C. Rangarajan

[06 August 2022 Shift-1]

19. Headquarter of World Health Organization (WHO) is located at-

(1) Paris (2) Geneva
(3) New York (4) Washington D.C.

[06 August 2022 Shift-1]

20. The deepest oceanic trench "Mariana' is located in -

(1) Atlantic Ocean (2) Arctic Ocean
(3) Pacific Ocean (4) Indian Ocean

[06 August 2022 Shift-1]

21. One TB (Tera Byte) approximately occupies or comprises which of the following data or space size

(1) 1000 KB (2) 1000 GB
(3) 1024 KB (4) 1024 GB

[06 August 2022 Shift-1]

22. Who is known as 'Nightingle of India'?

(1) Vijaya Laxmi Pandit (2) Indira Gandhi
(3) Sarojini Naidu (4) Lata Mangeshkar

[06 August 2022 Shift-1]

23. Which incident led Gandhi ji to withdraw from the non-cooperation movement?

(1) Kakori episode
(2) Chauri-Chaura episode
(3) Yang-bang episode
(4) Jallianwala Bagh episode

[06 August 2022 Shift-1]

24. Match List I with List II

LIST I	LIST II
A. Mana	I. Sikkim
B. Nathula	II. Jammu & Kashmir
C. Zozila	III. Himachal Pradesh
D. Sipkila	IV. Uttrakand

Choose the correct answer from the options given below:

(1) A-II, B-IV, C-I, D-III
(2) A-III, B-II, C-IV, D-I
(3) A-IV, B-I, C-II, D-III
(4) A-IV, B-I, C-III, D-II

[06 August 2022 Shift-1]

25. EVM Stands for_____.

(1) Electric Vending Machine
(2) Electronic Vending Machine
(3) Electronic Voting Machine
(4) Electric Voting Machine

ANSWER KEY									
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
(3)	(3)	(4)	(2)	(3)	(2)	(2)	(2)	(1)	(1)
11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
(3)	(1)	(3)	(4)	(3)	(4)	(4)	(2)	(2)	(3)
21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
(4)	(3)	(2)	(3)	(3)	(4)	(4)	(2)	(2)	(2)
31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
(2)	(1)	(3)	(2)	(2)	(3)	(2)	(1)	(3)	(4)
41	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**
(3)	(2)	(2)	(1)	(3)	(3)	(4)	(1)	(4)	(2)
51	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	**60**
(4)	(3)	(3)	(2)	(2)	(1)	(1)	(2)	(3)	(4)
61	**62**	**63**	**64**	**65**	**66**	**67**	**68**	**69**	**70**
(4)	(2)	(4)	(4)	(2)	(1)	(1)	(3)	(3)	(1)
71	**72**	**73**	**74**	**75**	**76**	**77**	**78**	**79**	**80**
(4)	(3)	(1)	(2)	(2)	(2)	(1)	(1)	(1)	(2)
81	**82**	**83**	**84**	**85**	**86**	**87**	**88**	**89**	**90**
(2)	(1)	(2)	(3)	(2)	(4)	(1)	(2)	(4)	(1)
91	**92**	**93**	**94**	**95**	**96**	**97**	**98**	**99**	**100**
(4)	(4)	(2)	(1)	(1)	(1)	(4)	(2)	(3)	(1)
101	**102**	**103**	**104**	**105**	**106**	**107**	**108**	**109**	**110**
(4)	(3)	(1)	(2)	(1)	(1)	(4)	(1)	(2)	(2)
111	**112**	**113**	**114**	**115**	**116**	**117**	**118**	**119**	**120**
(1)	(2)	(1)	(4)	(3)	(4)	(2)	(4)	(4)	(2)
121	**122**	**123**	**124**	**125**	**126**	**127**	**128**	**129**	**130**
(3)	(2)	(3)	(1)	(4)	(2)	(4)	(2)	(3)	(1)
131	**132**	**133**	**134**	**135**	**136**	**137**	**138**	**139**	**140**
(1)	(1)	(2)	(3)	(2)	(2)	(2)	(2)	(3)	(2)
141	**142**	**143**	**144**	**145**	**146**	**147**	**148**	**149**	**150**
(3)	(1)	(1)	(1)	(2)	(2)	(4)	(2)	(2)	(4)
151									
(1)									

EXPLANATIONS

1. **Correct Answer is (3):** Harnaaz Sandhu, an Indian actress and model, was crowned Miss Universe 2021 on December 13, 2021, at the 70th Miss Universe pageant held in Eilat, Israel. She became the third Indian woman to win the Miss Universe title, following Sushmita Sen (1994) and Lara Dutta (2000).

2. **Correct Answer is (3):** General Bipin Rawat was appointed as the first Chief of Defence Staff (CDS) of India on January 1, 2020. The position of CDS was created to integrate the operations of the three armed forces (Army, Navy, and Air Force) and provide unified military advice to the government. Field Marshal K. M. Cariappa: The first Indian Commander-in-Chief of the Indian Army, but not the CDS. General Manoj Mukund Naravane: Served as the Chief of Army Staff (COAS) after General Bipin Rawat. General Manoj Pande: Current Chief of Army Staff (as of 2022), but not the first CDS.

3. **Correct Answer is (4):** Neeraj Chopra is an Indian athlete who competes in the Javelin Throw event. He made history by winning the gold medal in the men's javelin throw at the 2020 Tokyo Olympics, becoming the first Indian to win an Olympic gold in athletics. His remarkable throw of 87.58 meters earned him this historic achievement.

4. **Correct Answer is (2):** NABARD stands for National Bank for Agriculture and Rural Development. It is an apex financial institution in India established in 1982 to provide credit and financial support for the development of agriculture, rural infrastructure, and cottage industries. NABARD plays a critical role in implementing government initiatives related to rural development.

5. **Correct Answer is (3):** Ekta Sthal → Giani Zail Singh was the 7th President of India. After his death in 1994, Ekta Sthal was established as his cremation site to honor his legacy.
   Vijay Ghat → Lal Bahadur Shastri, India's 2nd Prime Minister, is remembered for his slogan "Jai Jawan Jai Kisan" and his role in the 1965 Indo-Pak war. After his death in 1966, Vijay Ghat was built as his memorial.
   Veer Bhumi → Rajiv Gandhi, India's youngest Prime Minister, was assassinated in 1991. Veer Bhumi was established as his memorial, symbolizing his bravery and contribution to the nation.
   Shanti Van →Jawahar Lal Nehru, India's first Prime Minister, is remembered for his vision of a modern and progressive India. Shanti Van was built as his cremation site after his death in 1964.

6. **Correct Answer is (2):** The Estimates Committee consists only of Lok Sabha members, with no representation from the Rajya Sabha. It examines budget estimates and suggests improvements for efficiency. Other committees, such as the Public Accounts Committee, Committee on Public Undertakings, and Committee on Government Assurances, include members from both Lok Sabha and Rajya Sabha.

7. **Correct Answer is (2):** The New Education Policy (NEP) 2020 aims to achieve a 100% Gross Enrolment Ratio (GER) in school education, covering pre-primary to secondary level, by the year 2030. This goal reflects the government's commitment to universalizing education and improving access to quality schooling for all children in India.

8. **Correct Answer is (2):** World Environment Day is celebrated annually on 5th June to raise awareness about environmental issues and encourage action for the protection of the planet. Established by the United Nations in 1972, it is hosted by different countries each year with a specific theme focusing on global environmental challenges.

9. **Correct Answer is (1):** The Dead Sea has the highest salinity in the world, with a salinity level of about 33.7%. It is located at the lowest point on Earth's surface, approximately 430 meters below sea level. The high salinity is due to rapid evaporation and minimal freshwater inflow, making it nearly ten times saltier than typical ocean water.

10. **Correct Answer is (1):** The Human Development Index (HDI) report is published by the United Nations Development Programme (UNDP). It is part of the Human Development Report and measures a country's average achievements in three basic dimensions of human development: Health (Life expectancy at birth), Education (Mean and expected years of schooling), and Standard of living (GNI per capita).

11. **Correct Answer is (3):** Penicillium is a genus of fungi, known for its ability to produce penicillin, the first antibiotic discovered by Alexander Fleming. It is also used in food production, such as in the fermentation of cheeses like blue cheese and Roquefort. Penicillium belongs to the Ascomycota division of fungi.

12. **Correct Answer is (1):** Service Sector: The largest contributor, accounting for over 50% of GDP, including IT, finance, healthcare, and tourism. Industry Sector: The second-largest contributor, including manufacturing, construction, and mining. Agriculture Sector: Although vital for employment, it contributes the least to GDP, around 15-20%.

13. **Correct Answer is (3):**
Ukraine → The capital of Ukraine is Kiev (also spelled Kyiv).
Sri Lanka → Colombo is the commercial capital and largest city of Sri Lanka (with Sri Jayawardenepura Kotte as the administrative capital).
Turkey → Ankara is the capital of Turkey.
Poland → Warsaw is the capital city of Poland.

14. **Correct Answer is (4):** A Constitutional Amendment Bill must be passed by each house of the Indian Parliament separately and by a special majority. A special majority means: Two-thirds of the members present and voting. More than 50% of the total membership of the house. Money Bill (A): Passed by a simple majority in the Lok Sabha and sent to the Rajya Sabha for recommendations. Finance Bill (B): Passed by a simple majority in both houses. Ordinary Bill (C): Passed by a simple majority in both houses.

15. **Correct Answer is (3):** At a hill station, the atmospheric pressure is lower than at sea level. Since the boiling point of water depends on atmospheric pressure, water boils at a lower temperature at higher altitudes. This is because the pressure exerted on the liquid surface is reduced, requiring less heat energy for the water molecules to escape into vapor.

16. **Correct Answer is (4):**
Brahmo Samaj → Raja Ram Mohan Roy founded the Brahmo Samaj in 1828 to promote monotheism and reform Hindu society.
Satya Shodhak Samaj → Jyotiba Phule established the Satya Shodhak Samaj in 1873 to work for the upliftment of lower castes and women.
Young Bengal Movement →Henry Vivian Derozio, a teacher at Hindu College, Kolkata, initiated the Young Bengal Movement in the 1820s, focusing on rationalism and social reforms.
Servants of India Society →Gopal Krishna Gokhale founded the Servants of India Society in 1905 to promote education and social welfare.

17. **Correct Answer is (4):** The headquarters of the Reserve Bank of India (RBI) is located in Mumbai, Maharashtra. Originally, the RBI was established in Kolkata in 1935 but was permanently shifted to Mumbai in 1937. Mumbai is considered the financial capital of India, making it a strategic location for the central bank's operations.

18. **Correct Answer is (2):** The chairperson of the 15th Finance Commission is Nand Kishore (N. K.) Singh. The commission was constituted in 2017 and submitted its final report in 2020, recommending the distribution of financial resources between the central and state governments for the period 2021-26. N. K. Singh is a retired IAS officer and a prominent economist.

19. **Correct Answer is (2):** The headquarters of the World Health Organization (WHO) is located in Geneva, Switzerland. WHO was established on 7 April 1948 as a specialized agency of the United Nations to address global health issues, promote health equity, and coordinate international public health responses.

20. **Correct Answer is (3):** The Mariana Trench, the deepest oceanic trench in the world, is located in the Pacific Ocean, near the Mariana Islands. Its deepest point, known as the Challenger Deep, reaches approximately 11,034 meters (36,201 feet) below sea level. This trench is formed by the subduction of the Pacific Plate beneath the smaller Mariana Plate.

21. **Correct Answer is (4):** 1 TB (TeraByte) is equal to 1024 GB (GigaBytes), as per the binary system used in computing. The hierarchy of data storage units follows this pattern: 1 KB (KiloByte) = 1024 Bytes, 1 MB (MegaByte) = 1024 KB, 1 GB (GigaByte) = 1024 MB, and 1 TB (TeraByte) = 1024 GB.

COMMON UNIVERSITY ENTRANCE TEST

(CUET-UG)

– PAPER –

GENERAL TEST

MOCK TEST

MOCK TEST

1

MOCK TEST

1. **In a school, the ratio of the number of boys to that of girls was 6:5. In the next year, the number of boys increased by 20% and the number of girls increased by 10% resulting in an increase of 119 students in the school. How many students were there in the school initially?**
   (1) 680 (2) 750
   (3) 770 (4) 780

2. **If Anil's salary is 20% less than that of Rama, then by what percent is Rama's salary more than that of Anil?**
   (1) 20% (2) 25%
   (3) 15% (4) 30%

3. **A shopkeeper sold $\frac{2}{3}$ of his stock of rice at a profit of 5% and the remaining stock at a loss of 2%. If his total profit was 1000, then the cost price of the whole stock of rice is:**
   (1) 24,800 (2) 32,600
   (3) 37,500 (4) 48,000

4. **The value of a car depreciates every year by 10%. What will be its value after 3 years if its present value is ₹ 6, 25,000?**
   (1) ₹ 4, 50,000 (2) ₹ 4,52,250
   (3) ₹ 4,55,625 (4) ₹ 4, 62,500

5. **In how many years a sum placed on compound interest becomes 8 times of itself, if it becomes twice in 6 years?**
   (1) 20 (2) 18
   (3) 15 (4) 12

6. **The ratio between length and breadth of a rectangle is 3:2. If area of the rectangle is 96 cm², then length of the rectangle is**
   (1) 6 cm (2) 12 cm
   (3) 8 cm (4) 16 cm

7. **If two squares X and Y have each side of 10 m and 20 m respectively, then the side of the square Z whose area is equal to the sum of the areas of square X and square Y is:**
   (1) 10√3 m (2) 10√2 m
   (3) 10√7 m (4) 10√5 m

8. **If A (2,3), B(2,4) C(4,9) and D (x,8) are the vertices of a parallelogram ABCD, then find the value of x.**
   (1) 8 (2) 16
   (3) 5 (4) 4

9. **Mean, Median and Mode of a data are related by the relation**
   (1) 3 Mode - 2 Median = Mean
   (2) 3 Mean - 2 Mode = Median
   (3) 3 Median - 2 Mode = Mean
   (4) 3 Median - 2 Mean = Mode

10. **Three dice are thrown. The probability of getting a sum of numbers which is a perfect cube, is:**
    (1) $\frac{1}{6}$ (2) $\frac{1}{8}$
    (3) $\frac{5}{36}$ (4) $\frac{7}{72}$

11. **If the average of 15, 25, 19, 20, 23, 18 and (x-3) is 20. Then Find the average of x, (x+6), (2x-1) and 23.**
    (1) 20 (2) 27
    (3) 28.5 (4) 30

12. **The average of a positive number, its square and 3 is 5. Find the number.**
    (1) 2 (2) 3
    (3) 1 (4) 4

13. **If $\cos 6\theta = \sin 3\theta$, then the value of θ is:**
    (1) 9° (2) 12°
    (3) 10° (4) 6°

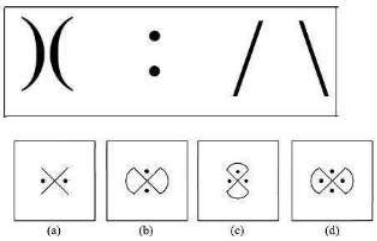
14. **A solid hemisphere of radius 24 cm is melted and identical cones each of base radius 8 cm and height 6 cm are formed. How many such cones are formed?**
    (1) 144 (2) 96
    (3) 72 (4) 24

15. **A and B can do work in 10 days and 15 days respectively. They worked together for 5 days, then B left the work and A alone did the remaining work. The whole work got completed in:**
    (1) $6\frac{2}{3}$ days (2) 7 days
    (3) $7\frac{1}{2}$ days (4) $6\frac{1}{2}$ days

row. D is second to the left of F. C is the neighbour of E and diagonally opposite to D. B is the neighbour of F. Who is in front of F?

(1) A (2) B
(3) C (4) D

56. Among four answer figures which one can be formed from the cut out pieces given below :



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

57. Choose the assumption which is implicit in the context of the given statement.
Statement-" Z- perfume is ideal as a gift for someone you love" - An Advertisement
Assumptions
(I) People generally give gifts to loved ones.
(II) Such advertisements generally influence people.
(III) Perfume can be considered as a gift item.
Choose the most appropriate answer from the options given below:
(1) I and II are implicit (2) I and III are implicit
(3) All are implicit (4) II and III are implicit

58. Which of the given conclusions logically follows the given two statements.
Statements
All apples are Banana
No Banana is Grape
Some Grape are Orange
Conclusions
(I) Some Banana are Orange
(II) No Apple is Orange
(III) All Banana are Orange is a possibility
(1) Only I follow
(2) Only II conclusion follow
(3) Only III follow
(4) All conclusion follow

59. In a certain code, 'lee ra de' means 'Upanishads are it', 'mo nil' means 'you read', 'nil pom ra' means 'you like it' and 'tok lee fo' means 'They are immortal' How will you write 'Upanishads you like' in that code?

(1) de nil pom (2) de nil ra
(3) mo nil pom (4) nil tok lee

60. At what time between 4 o' clock and 5 o'clock hour hand and minute hand will coincide?

(1) 4:18 $\frac{9}{11}$ (2) 4:22 $\frac{9}{11}$
(3) 4: 21 $\frac{9}{11}$ (4) 4:23 $\frac{9}{11}$

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

EXPLANATIONS

1. Correct Answer is (3): Let the initial number of boys be 6x and the number of girls be 5x, where x is a constant.
6x+5x=11x
boys increases by 20%: 6x ×1.20=7.2x
girls increases by 10%: 5x ×1.10=5.5x
7.2x+5.5x=12.7x
12.7x−11x=119
x=70
11x=11×70=770

2. Correct Answer is (2): Anil's salary is 20% less than that of Rama
A=R−0.20R=0.80R
Percentage increase= $\frac{R-A}{A} \times 100$
Percentage increase=$\frac{R-0.80R}{0.80} \times 100$=25%

3. Correct Answer is (3): x is the stock sold at a 5% profit.
The remaining stock C−x is sold at a 2% loss.
0.05x−0.02(C−x)=1000
0.07x−0.02C=1000
Now, let's test C=37,500:
For C=37,500. we find x=25,000.
Profit from the first part: 0.05×25,000=1,250.
Loss from the second part: 0.02×12,500=250.
Net profit: 1,250−250=1,000.

4. Correct Answer is (3): Value after n years=Present Value×(1−Depreciation Rate)^n
Value after 3 years=6,25,000×(1−0.10)3
Value after 3 years=6,25,000×0.90 ^{3}
Value after 3 years=6,25,000×0.729
Value after 3 years=₹4,55,625

5. Correct Answer is (2): $A = P\left(1+\frac{r}{100}\right)^t$
amount becomes twice in 6 years:$2P = P\left(1+\frac{r}{100}\right)^6$
$2 = \left(1+\frac{r}{100}\right)^6$
$2^{\frac{1}{6}} = \left(1+\frac{r}{100}\right)$
we need to find the time t when the amount becomes 8 times the principal.
$8P = P\left(1+\frac{r}{100}\right)^t$
$8 = (2^{\frac{1}{6}})^t$
t=18

6. Correct Answer is (2):
Area=Length×Breadth=3x×2x=6x^2
6x^2=96
x=4
Length=3x=3×4=12cm

7. Correct Answer is (4): Area of X=(side of X)^2=102=100m^2
Area of Y=(side of Y)^2=202=400m^2
Total Area=100+400=500m^2
s^2=500
s=10$\sqrt{5}$m

8. Correct Answer is (4): Midpoint of AC=$\left(\frac{x_1+x_2}{2},\frac{y_1+y_2}{2}\right)$=$\left(\frac{2+4}{2},\frac{3+9}{2}\right)$=(3,6)
Midpoint of BD=$\left(\frac{2+x}{2},\frac{4+8}{2}\right)$=$\left(\frac{2+x}{2},6\right)$.
Since the midpoints of AC and BD are the same
$\frac{2+x}{2}$=3
x= 4

9. Correct Answer is (4): Mean−Median=$\frac{1}{3}$(mean−Mode)
3 mean-3 median = mean - mode
3 median - 2 mean= mode

10. Correct Answer is (4): The sum of numbers on three dice can range from 3 to 18. The perfect cubes between 3 and 18 are:
$1^3 = 1, 2^3 = 8, 3^3 = 27$
Only **8** is within this range. There are 21 ways to get a sum of 8.
Probability=$\frac{Number\ of\ favorable\ outcomes}{total\ outcomes} = \frac{21}{216} = \frac{7}{72}$

11. Correct Answer is (4): $\frac{15+25+19+20+23+\quad(x-3)}{7} = 20$
x=23
x+6=23+6=29
2x−1=2(23)−1=46−1=45
sum of these numbers: 23+29+45+23=120
$\frac{120}{4} = 30$

12. Correct Answer is (2): $\frac{x+x^2+3}{3} = 5$
$x + x^2$=12
$x + x^2$-12=0
We look for two numbers that multiply to -12 and add up to 1. These numbers are 4 and -3.
(x+4)(x−3)=0
x+4=0 or x−3=0
x=−4 or x=3

13. Correct Answer is (3): cos(6θ)=sin(3θ)
sin(x)=cos(90∘−x)
cos(6θ)=cos(90∘−3θ)
6θ+3θ=90∘
9θ=90∘
θ=10∘

14. Correct Answer is (3): $V_{hemisphere} = \frac{2}{3}\pi r^3 = \frac{2}{3}\pi(24)^3 = 9216\pi cm^3$
$V_{cone} = \frac{1}{3}\pi r^2 h = \frac{1}{3}\pi(8)^2 6 = 128\pi cm^3$
Number of cones=$\frac{9216\pi}{128\pi} = 72$

15. Correct Answer is (1): Work done together= 5 ×($\frac{1}{10}+\frac{1}{15}$)=$\frac{5}{6}$.
After 5 days remaining work, 1-$\frac{5}{6}$=$\frac{1}{6}$
Time taken by A=$\frac{\frac{1}{6}}{\frac{1}{10}} = \frac{5}{3}$.
5days (together)+$\frac{5}{3}$days (A alone)=6$\frac{2}{3}$.

16. Correct Answer is (2): $speed = \frac{distance}{time} = \frac{180}{6} = 30m/s = 30 \times \frac{18}{5} = 108\ km/h.$

17. Correct Answer is (1): First half : time=$\frac{\frac{D}{2}}{5} = \frac{D}{10} hours.$

CUET UG GENERAL TEST MOCK TEST 1

ANSWER SHEET

Name _____

Seat Number

Booklet Code: A

Medium: E

Marks Obtained

ANSWER COLUMNS

Checked By _____

Q. No.	ANSWER ①	②	③	④
1	○	○	○	○
2	○	○	○	○
3	○	○	○	○
4	○	○	○	○
5	○	○	○	○
6	○	○	○	○
7	○	○	○	○
8	○	○	○	○
9	○	○	○	○
10	○	○	○	○
11	○	○	○	○
12	○	○	○	○
13	○	○	○	○
14	○	○	○	○
15	○	○	○	○
16	○	○	○	○
17	○	○	○	○
18	○	○	○	○
19	○	○	○	○
20	○	○	○	○

Q. No.	ANSWER ①	②	③	④
21	○	○	○	○
22	○	○	○	○
23	○	○	○	○
24	○	○	○	○
25	○	○	○	○
26	○	○	○	○
27	○	○	○	○
28	○	○	○	○
29	○	○	○	○
30	○	○	○	○
31	○	○	○	○
32	○	○	○	○
33	○	○	○	○
34	○	○	○	○
35	○	○	○	○
36	○	○	○	○
37	○	○	○	○
38	○	○	○	○
39	○	○	○	○
40	○	○	○	○

Q. No.	ANSWER ①	②	③	④
41	○	○	○	○
42	○	○	○	○
43	○	○	○	○
44	○	○	○	○
45	○	○	○	○
46	○	○	○	○
47	○	○	○	○
48	○	○	○	○
49	○	○	○	○
50	○	○	○	○
51	○	○	○	○
52	○	○	○	○
53	○	○	○	○
54	○	○	○	○
55	○	○	○	○
56	○	○	○	○
57	○	○	○	○
58	○	○	○	○
59	○	○	○	○
60	○	○	○	○

Note : Roll Number, Subject Code & Centre Code Should Be Filled In the Boxes Using The Pattern Given As :