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MAKAUT CET Sample Paper 2027

MAKAUT WB Common Entrance Test · UG group paper (BBA, BCA, B.Sc) · Practice Paper 1

Questions	Marks	Time	Negative marking
50 MCQs	**100 (2 each)**	**60 minutes**	**None announced**

Part	Section	Questions	Q. No.
Section A	General Knowledge	12	1 to 12
Section B	Logical Reasoning	13	13 to 25
Section C	English	12	26 to 37
Section D	Numerical Ability	13	38 to 50

Instructions

1. This paper has 50 multiple-choice questions in four sections: General Knowledge, Logical Reasoning, English and Numerical Ability. Each question has four options; choose the one correct answer.
2. Each question carries 2 marks (100 marks in all). MAKAUT's scheme of examination does not mention negative marking, so attempt every question.
3. Time allowed is 60 minutes, as in the online computer-based test (CBT). Do rough work on paper; calculators are not allowed.
4. MAKAUT does not announce how many questions come from each section. This paper uses 12 to 13 questions per section.
5. The answer key and short solutions are at the end. Check them only after you finish.

This is an AglaSem practice paper written on the official MAKAUT CET scheme of examination for the UG group (50 MCQs, 2 marks each, 60 minutes; General Knowledge, Logical Reasoning, English, Numerical Ability). It is not an official MAKAUT, West Bengal paper, and its questions are original. PG 1 candidates take Mathematics, Biology or Chemistry in place of Numerical Ability.

Section A

General Knowledge

1. In which year did Rabindranath Tagore receive the Nobel Prize in Literature?

(A) 1921 (B) 1930
(C) 1913 (D) 1905

2. The Battle of Plassey (1757) was fought between the forces of the East India Company and:

(A) Mir Qasim (B) Tipu Sultan
(C) Shuja-ud-Daulah (D) Siraj-ud-Daulah

3. Which Article of the Constitution of India abolishes untouchability?

(A) Article 21 (B) Article 17
(C) Article 32 (D) Article 14

4. The Sundarbans National Park in West Bengal is best known for which animal?

(A) Snow leopard (B) Asiatic lion
(C) One-horned rhinoceros (D) Royal Bengal tiger

5. Who composed 'Vande Mataram', the National Song of India?

(A) Rabindranath Tagore (B) Bankim Chandra Chattopadhyay
(C) Kazi Nazrul Islam (D) Sarojini Naidu

6. Which gas makes up the largest share of the Earth's atmosphere?
(A) Argon
(B) Nitrogen
(C) Oxygen
(D) Carbon dioxide

7. What is the SI unit of electric current?
(A) Ampere
(B) Coulomb
(C) Volt
(D) Ohm

8. The Tropic of Cancer passes through which of the following states?
(A) Uttar Pradesh
(B) Jharkhand
(C) Bihar
(D) Odisha

9. Who was the first Governor-General of independent India?
(A) Lord Mountbatten
(B) C. Rajagopalachari
(C) Lord Linlithgow
(D) Lord Wavell

10. Where is the central office (headquarters) of the Reserve Bank of India?
(A) Kolkata
(B) New Delhi
(C) Mumbai
(D) Pune

11. The Hornbill Festival is celebrated every December in which state?
(A) Mizoram
(B) Arunachal Pradesh
(C) Nagaland
(D) Manipur

12. 'Wings of Fire' is the autobiography of:
(A) Jawaharlal Nehru
(B) Vikram Sarabhai
(C) A. P. J. Abdul Kalam
(D) Sarvepalli Radhakrishnan

Section B

Logical Reasoning

13. Find the next number in the series: 3, 8, 15, 24, 35, ?
(A) 46
(B) 48
(C) 50
(D) 49

14. Find the next letter in the series: A, C, F, J, O, ?
(A) U
(B) V
(C) S
(D) T

15. If BOOK is written as CPPL in a certain code, how is PAGE written in that code?
(A) OZFD
(B) QCHF
(C) QBGF
(D) QBHF

16. In a certain code language PLANT is written as ANTPL. How will CHAIR be written in that code?
(A) IRCHA
(B) AICHR
(C) AIRCH
(D) ARICH

17. Find the odd one out: 27, 64, 125, 144
(A) 27
(B) 144
(C) 64
(D) 125

18. Book : Author :: Symphony : ?
(A) Audience
(B) Orchestra
(C) Composer
(D) Conductor

19. Pointing to a boy, Neha said, "His mother is the only daughter of my mother." How is Neha related to the boy?

(A) Aunt
(B) Sister
(C) Grandmother
(D) Mother

20. Ravi walks 6 km towards the north, then turns right and walks 8 km. How far and in which direction is he from his starting point?

(A) 10 km, North-East
(B) 10 km, South-East
(C) 14 km, North-East
(D) 2 km, North-West

21. In a row of 35 students, Mohan is 14th from the left end. What is his position from the right end?

(A) 20th
(B) 23rd
(C) 22nd
(D) 21st

Read the information below and answer the next three questions:
Five friends P, Q, R, S and T sit in a row, all facing north.
R sits exactly in the middle of the row. P sits at the extreme left end.
T sits immediately to the right of R. Q does not sit next to P.

22. Who sits at the extreme right end of the row?

(A) T
(B) R
(C) Q
(D) S

23. Who sits between P and R?

(A) S
(B) Nobody
(C) Q
(D) T

24. Who sits second to the right of S?

(A) R
(B) T
(C) Q
(D) P

25. Statements: All pens are books. Some books are bags.
Conclusions: I. Some pens are bags. II. Some bags are books.
Which conclusion(s) follow?

(A) Neither I nor II follows
(B) Only II follows
(C) Only I follows
(D) Both I and II follow

Section C

English

26. Which word comes first in the English dictionary?

(A) Parallel
(B) Paradigm
(C) Paradise
(D) Paramount

27. Choose the meaning of the idiom: to beat about the bush

(A) to search a place very carefully
(B) to work hard for little reward
(C) to defeat a rival with ease
(D) to avoid coming to the main point

28. Choose the meaning of the idiom: a blessing in disguise

(A) a good thing that first seemed bad

(B) a reward that comes very late

(C) a secret wish that comes true

(D) a gift received from a stranger

29. Choose the word most similar in meaning to METICULOUS.

(A) Hasty (B) Careless

(C) Timid (D) Thorough

30. Choose the word most nearly OPPOSITE in meaning to SCARCE.

(A) Insufficient (B) Rare

(C) Scanty (D) Abundant

31. Find the part of the sentence that has an error: Each of the students / have submitted / the assignment on time.

(A) Each of the students (B) have submitted

(C) the assignment on time (D) No error

32. Fill in the blank: She has been living in Kolkata ___ 2015.

(A) since (B) from

(C) by (D) for

33. Choose the one word for: a person who can speak two languages.

(A) Linguist (B) Polyglot

(C) Translator (D) Bilingual

34. Choose the correctly spelt word.

(A) Neccessary (B) Necessary

(C) Necesary (D) Neccesary

35. Rearrange the parts to make a meaningful sentence:
P: the station; Q: before the train; R: we reached; S: left

(A) PRQS (B) RQPS

(C) QSRP (D) RPQS

36. Choose the correct active voice of: The letter was written by Riya.

(A) Riya wrote the letter. (B) Riya was writing the letter.

(C) Riya has written the letter. (D) Riya had written the letter.

37. Fill in the blank: The manager was ___ by the sudden resignation, as he had no idea it was coming.

(A) taken over (B) taken in

(C) taken after (D) taken aback

Section D

Numerical Ability

38. What is 15% of 480 plus 20% of 360?

(A) 144 (B) 136

(C) 152 (D) 140

39. An article bought for ₹800 is sold for ₹920. What is the profit per cent?

(A) 18%
(B) 13%
(C) 12%
(D) 15%

40. ₹2,400 is divided between two friends in the ratio 3 : 5. What is the larger share?

(A) ₹1,500
(B) ₹1,600
(C) ₹900
(D) ₹1,200

41. The average of five numbers is 18. If one number, 26, is removed, what is the average of the remaining four?

(A) 16
(B) 15
(C) 18
(D) 17

42. What is the simple interest on ₹6,000 at 5% per annum for 4 years?

(A) ₹1,200
(B) ₹1,500
(C) ₹1,000
(D) ₹1,320

43. What is the compound interest on ₹5,000 at 10% per annum for 2 years, compounded annually?

(A) ₹1,025
(B) ₹1,050
(C) ₹1,100
(D) ₹1,000

44. A can finish a piece of work in 10 days and B in 15 days. Working together, in how many days will they finish it?

(A) 8 days
(B) 5 days
(C) 12.5 days
(D) 6 days

45. A train 300 m long runs at 54 km/h. How long will it take to cross a pole?

(A) 18 seconds
(B) 20 seconds
(C) 15 seconds
(D) 25 seconds

46. The sum of the ages of a mother and her daughter is 50 years. After 5 years, the mother will be three times as old as the daughter. What are their present ages?

(A) 40 and 10 years
(B) 42 and 8 years
(C) 38 and 12 years
(D) 35 and 15 years

47. What is the LCM of 12, 18 and 30?

(A) 60
(B) 90
(C) 180
(D) 360

48. What is the square root of 1764?

(A) 38
(B) 44
(C) 42
(D) 48

Study the table and answer the next two questions:

Units sold by an electronics store

Year	Laptops	Tablets
2022	120	80
2023	150	90
2024	180	120
2025	200	150

49. By what percentage did laptop sales increase from 2022 to 2023?

(A) 15%
(B) 25%
(C) 20%
(D) 30%

50. In which year was the ratio of tablets sold to laptops sold the highest?

(A) 2022
(B) 2024
(C) 2025
(D) 2023

Answer Key

1	C	2	D	3	B	4	D	5	B	6	B	7	A	8	B	9	A	10	C
11	C	12	C	13	B	14	A	15	D	16	C	17	B	18	C	19	D	20	A
21	C	22	C	23	A	24	B	25	B	26	B	27	D	28	A	29	D	30	D
31	B	32	A	33	D	34	B	35	D	36	A	37	D	38	A	39	D	40	A
41	A	42	A	43	B	44	D	45	B	46	A	47	C	48	C	49	B	50	C

Solutions

General Knowledge

1. (C) Tagore won the Nobel Prize in Literature in 1913, mainly for Gitanjali. He was the first Asian Nobel laureate.

2. (D) At Plassey in 1757, Robert Clive defeated Siraj-ud-Daulah, the Nawab of Bengal. Mir Qasim and Shuja-ud-Daulah fought at Buxar in 1764.

3. (B) Article 17 abolishes untouchability and forbids its practice in any form. Article 14 is equality before law, 21 is life and personal liberty, 32 is the right to constitutional remedies.

4. (D) The Sundarbans mangrove forest is a tiger reserve famous for the Royal Bengal tiger. The one-horned rhino is linked with Kaziranga and the Asiatic lion with Gir.

5. (B) Vande Mataram is from Bankim Chandra Chattopadhyay's novel Anandamath. Tagore wrote Jana Gana Mana, the National Anthem.

6. (B) Dry air is about 78% nitrogen, 21% oxygen and nearly 1% argon; carbon dioxide is a very small fraction.

7. (A) Electric current is measured in amperes. The volt is the unit of potential difference, the ohm of resistance and the coulomb of charge.

8. (B) The Tropic of Cancer crosses Gujarat, Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, West Bengal, Tripura and Mizoram. It does not pass through Odisha, Bihar or Uttar Pradesh.

9. (A) Lord Mountbatten continued as Governor-General from 15 August 1947 to June 1948. C. Rajagopalachari succeeded him as the first (and only) Indian Governor-General.

10. (C) The RBI was set up in Kolkata in 1935, but its central office moved permanently to Mumbai in 1937.

11. (C) The Hornbill Festival is held in Nagaland (at Kisama, near Kohima) in the first week of December to showcase Naga culture.

12. (C) Wings of Fire (1999), written with Arun Tiwari, is the autobiography of Dr A. P. J. Abdul Kalam.

Logical Reasoning

13. (B) The terms are $n^2 - 1$ for n = 2, 3, 4, 5, 6: 4–1, 9–1, 16–1, 25–1, 36–1. Next is 49 – 1 = 48. (The gaps 5, 7, 9, 11, 13 also give 35 + 13 = 48.)

14. (A) The gaps are +2, +3, +4, +5, so the next gap is +6: O (15) + 6 = 21 = U.

15. (D) Each letter moves one place forward: P→Q, A→B, G→H, E→F, so PAGE becomes QBHF.

16. (C) The first two letters are moved to the end: PL-ANT → ANT-PL. So CH-AIR → AIR-CH = AIRCH.

17. (B) 27, 64 and 125 are perfect cubes (3^3, 4^3, 5^3). 144 is 12^2, a perfect square but not a cube.

18. (C) An author creates a book; a composer creates a symphony. The conductor and orchestra only perform it.

19. (D) The only daughter of Neha's mother is Neha herself. So the boy's mother is Neha.

20. (A) After turning right from north he walks east. Distance = $\sqrt{(6^2 + 8^2)} = \sqrt{100} = 10$ km, towards the north-east.

21. (C) Position from right = total – position from left + 1 = 35 – 14 + 1 = 22.

22. (C) P is in place 1, R in place 3 and T in place 4. Q cannot be in place 2 (next to P), so Q is in place 5 and S in place 2. Order: P S R T Q, so Q is at the right end.

23. (A) The order from left is P S R T Q, so S sits between P and R.

24. (B) S is in place 2; second to its right is place 4, which is T.

25. (B) 'Some books are bags' converts to 'some bags are books', so II follows. The books that are bags need not be pens, so I does not follow.

English

26. (B) All begin with PARA. The fifth letters are D, D, L, M, so Paradigm and Paradise come before the others; at the seventh letter G comes before S, so Paradigm is first.

27. (D) To beat about the bush is to talk around a subject without saying what you really mean.

28. (A) A blessing in disguise is something that seems unfortunate at first but turns out to be good.

29. (D) Meticulous means showing great attention to detail, that is, very careful or thorough.

30. (D) Scarce means in short supply; its opposite is abundant. Rare, scanty and insufficient are close in meaning to scarce.

31. (B) 'Each' is singular, so the verb must be singular: 'Each of the students has submitted the assignment on time.'

32. (A) 'Since' is used with a point of time (2015) in the perfect continuous tense; 'for' is used with a period of time.

33. (D) Bilingual means able to speak two languages. A polyglot knows many languages; a linguist studies languages.

34. (B) The correct spelling is necessary: one C and double S.

35. (D) R P Q S reads: 'We reached the station before the train left.'

36. (A) 'Was written' is simple past passive, so the active form is in the simple past: 'Riya wrote the letter.'

37. (D) To be taken aback is to be shocked or surprised. 'Taken in' means deceived, 'taken over' means controlled, and 'take after' means to resemble.

Numerical Ability

38. (A) 15% of 480 = 72 and 20% of 360 = 72, so the total is 144.

39. (D) Profit = 920 − 800 = 120. Profit % = 120/800 × 100 = 15%.

40. (A) Total parts = 8; one part = 2400/8 = 300. The larger share = 5 × 300 = ₹1,500.

41. (A) Sum of five numbers = 5 × 18 = 90. Remaining sum = 90 − 26 = 64; average = 64/4 = 16.

42. (A) SI = P × R × T/100 = 6000 × 5 × 4/100 = ₹1,200.

43. (B) Amount = 5000 × 1.1 × 1.1 = 6050, so CI = 6050 − 5000 = ₹1,050.

44. (D) Work per day = 1/10 + 1/15 = 3/30 + 2/30 = 5/30 = 1/6, so together they take 6 days.

45. (B) 54 km/h = 54 × 5/18 = 15 m/s. Time = 300/15 = 20 seconds.

46. (A) Let the daughter be D; mother = 50 − D. Then 55 − D = 3(D + 5), so 4D = 40 and D = 10, mother = 40. Check: in 5 years, 45 = 3 × 15.

47. (C) $12 = 2^2 \cdot 3$, $18 = 2 \cdot 3^2$, $30 = 2 \cdot 3 \cdot 5$. LCM = $2^2 \cdot 3^2 \cdot 5 = 180$.

48. (C) 42 × 42 = 1764 ($40^2 = 1600$ and $2 \times 40 \times 2 + 4 = 164$).

49. (B) Increase = 150 − 120 = 30. Percentage = 30/120 × 100 = 25%.

50. (C) Ratios: 2022 = 80/120 ≈ 0.67, 2023 = 90/150 = 0.60, 2024 = 120/180 ≈ 0.67, 2025 = 150/200 = 0.75. The highest is in 2025.