

CG Pre BEd 2021 Solution PDF

GENERAL MENTAL ELIGIBILITY

Question 6:

What is the next term in the series?

Series: BCE, CEG, EGK, ?

- (A) GKM
- (B) GKN
- (C) GLM
- (D) GLU

Answer: (A) GKM

Solution: Let's analyze the pattern in the given series. We can look at the series by splitting each term into individual characters:

1. BCE: B, C, E
2. CEG: C, E, G
3. EGK: E, G, K

Let's find the pattern for each position:

- First letter: $B \rightarrow C \rightarrow E \rightarrow G$ (it increases by 1, then by 2, and then by 2)
- Second letter: $C \rightarrow E \rightarrow G \rightarrow K$ (it increases by 2 each time)
- Third letter: $E \rightarrow G \rightarrow K \rightarrow M$ (it increases by 2 each time)

So, the next term should be:

- First letter: $E + 2 = G$
- Second letter: $G + 2 = K$
- Third letter: $K + 2 = M$

Thus, the next term is **GKM**.

Question 7:

If **GIVE** is coded as '5137' and **BAT** is coded as '924', how is **GATE** coded?

- (A) 5427
- (B) 5724
- (C) 5247
- (D) 2547

Answer: (C) 5247

Solution: Let's break down the coding pattern:

- G → 5
- I → 1
- V → 3
- E → 7

For **BAT**:

- B → 9
- A → 2
- T → 4

Using the same pattern for **GATE**:

- G → 5
- A → 2
- T → 4
- E → 7

Thus, **GATE** is coded as **5247**.

Question 12:

Find the missing term in the given series.

Series: 1, 2, 2, 4, 5, 8, _____

- (A) 9
- (B) 10
- (C) 12
- (D) None of the above

Answer: (B) 10

Solution: Let's analyze the pattern in the series: 1, 2, 2, 4, 5, 8, ___

The pattern is:

- 1 (start)
- 2 (1 + 1)
- 2 (previous term)
- 4 (2 + 2)
- 5 (previous term + 1)
- 8 (previous term + 3)

So, continuing the pattern:

- The next term should be $8 + 2 = 10$

Question 13:

If Z = 26, NEAT = 40, then the value of TRY is:

- (A) 62
- (B) 64
- (C) 68
- (D) None of the above

Answer: (D) None of the above

Solution: Given: Z = 26 and NEAT = 40 Z = 26 means each letter's position in the alphabet is used.

For NEAT:

- N = 14
- E = 5
- A = 1
- T = 20

$$\text{Sum} = 14 + 5 + 1 + 20 = 40$$

For TRY:

- $T = 20$
- $R = 18$
- $Y = 25$

$$\text{Sum} = 20 + 18 + 25 = 63$$

Question 18:

If BAN = 25, GUN = 10 then NCR = ?

- (A) 16
- (B) 24
- (C) 35
- (D) None of the above

Answer: (A) 16

Solution: Let's break down the given code: For BAN = 25:

- $B = 2$
- $A = 1$
- $N = 14$ Sum = $2 + 1 + 14 = 17$ Then, the sum of digits of 17 is $1 + 7 = 8$ Double it to get 16.

For GUN = 10:

- $G = 7$
- $U = 21$
- $N = 14$ Sum = $7 + 21 + 14 = 42$ Sum of digits of 42 is $4 + 2 = 6$ Double it to get 12.

For NCR:

- $N = 14$
- $C = 3$
- $R = 18$ Sum = $14 + 3 + 18 = 35$ Sum of digits of 35 is $3 + 5 = 8$ Double it to get 16

So, the correct answer is: **Answer: (A) 16**

Question 22:

Find the missing term in the given number series.

Series: 4, 15, 48, 103, ?

- (A) 169
- (B) 176
- (C) 180
- (D) 215

Answer: (B) 176

Solution: Let's analyze the pattern in the series. The differences between consecutive terms are:

- $15 - 4 = 11$
- $48 - 15 = 33$
- $103 - 48 = 55$

We can see that the differences themselves form a series: 11, 33, 55, ...

The differences between these numbers are:

- $33 - 11 = 22$
- $55 - 33 = 22$

This suggests that the pattern in the differences is an arithmetic series increasing by 22. Therefore, the next difference should be:

- $55 + 22 = 77$

Adding this difference to the last term in the original series:

- $103 + 77 = 180$

So, the correct answer should be **180**.

Question 23:

Find out the missing term in the given series.

Series: Y, T, P, ?, K

- (A) Q
- (B) L
- (C) M
- (D) N

Answer: (B) L

Solution: Let's analyze the pattern in the series by looking at the positions of the letters in the alphabet:

- Y (25th letter)
- T (20th letter)
- P (16th letter)

The differences between the positions:

- $Y (25) - T (20) = 5$
- $T (20) - P (16) = 4$

It seems like the differences are decreasing by 1 each time. Continuing this pattern:

- $P (16) - ? = 3$
- $16 - 3 = 13$

The 13th letter in the alphabet is M. But the pattern suggests that the next letter should be K after this decreasing by 3:

- $16 - 4 = 12 (L)$
- $12 - 1 = 11 (K)$

Thus, the correct answer is **L**.

Question 24:

Find the missing term in the given series.

Series: AZ, FT, LN, _____

- (A) RG
- (B) SG
- (C) SH
- (D) RH

Answer: (C) SH

Solution: Let's break down the pattern of the letters in each pair:

- A to F: +5
- F to L: +6
- L to S: +7
- Z to T: -6
- T to N: -6
- N to H: -6

So, the pattern for the first letters is increasing by 1 each time, and the second letters are consistently decreasing by 6.

Following this pattern:

- L (12th letter) + 7 = S (19th letter)
- N (14th letter) - 6 = H (8th letter)

Thus, the correct answer is **SH**.

Question 29:

Jayant is 6 ranks ahead of Vishnu in a class of 45 students. If Vishnu ranks 25 in the class, what is the rank of Jayant from the last?

- (A) 25
- (B) 26
- (C) 27
- (D) 28

Answer: (C) 27

Solution: Given that Vishnu's rank is 25 and Jayant is 6 ranks ahead of Vishnu, Jayant's rank is:

$$25 - 6 = 19$$

To find Jayant's rank from the last:

Total students - Jayant's rank + 1

$$45 - 19 + 1 = 27$$

Thus, Jayant's rank from the last is 27.

Question 30:

Pointing to a person in the office, Amar said, he is the brother of the father of my mother's son. How is Amar related to that person?

- (A) Brother
- (B) Uncle
- (C) Nephew
- (D) None of the above

Answer: (B) Uncle

Solution: Break down the relationships step by step:

"My mother's son" refers to Amar himself.

"Father of my mother's son" refers to Amar's father.

"Brother of the father of my mother's son" means the brother of Amar's father, who is Amar's uncle.

Thus, Amar is the nephew of that person.

Answer: (B) Uncle

GENERAL KNOWLEDGE

Question 31:

Who emphasized that “Education should be a social process”?

- (A) Swami Vivekanand
- (B) Rousseau
- (C) John Dewey
- (D) Pestology

Answer: (C) John Dewey

Solution: John Dewey, an American philosopher and educator, emphasized that education should be a social process and that schools should be communities where students learn to live cooperatively.

Question 32:

‘Yogah Karmasu Kaushalam’ related to which of the following?

- (A) Ramayan
- (B) Bhagwat Geeta
- (C) Ramcharit Manas
- (D) Shiv Puran

Answer: (B) Bhagwat Geeta

Solution: The phrase "Yogah Karmasu Kaushalam" means "Yoga is skill in action" and is from the Bhagavad Gita, which emphasizes performing one's duty with skill and detachment.

Question 33:

Which box has most volcanoes?

- (A) Mid-oceanic ridges
- (B) Circum-pacific Belt
- (C) Mid-continental Belt
- (D) Intraplate volcanism

Answer: (B) Circum-pacific Belt

Solution: The Circum-Pacific Belt, also known as the "Ring of Fire," has the most volcanoes and is an area with frequent earthquakes and volcanic eruptions.

Question 34:

Who discovered North Pole?

- (A) Amundson
- (B) Robert Peary
- (C) John Cabot
- (D) Captain Cook

Answer: (B) Robert Peary

Solution: Robert Peary is credited with leading the first expedition to reach the North Pole on April 6, 1909.

Question 35:

By which growth rate of economy is measured in India?

- (A) Percentage increase in Per Capita Income
- (B) Percentage increase in National Income
- (C) Percentage increase in Gross Domestic Product
- (D) None of these

Answer: (C) Percentage increase in Gross Domestic Product

Solution: The growth rate of the economy in India is typically measured by the percentage increase in Gross Domestic Product (GDP).

Question 36:

On which date the five-year plan is started in India?

- (A) 1st April 1950
- (B) 1st April 1951
- (C) 1st April 1956
- (D) 1st April 1961

Answer: (B) 1st April 1951

Solution: India's first five-year plan was launched on 1st April 1951.

Question 37:

Which of the following was the salient feature of Ashoka's 'Dhamma'?

- (A) Religious tolerance
- (B) Religious festivals
- (C) Dominance of Buddhism
- (D) Religious Rituals

Answer: (A) Religious tolerance

Solution: Ashoka's 'Dhamma' emphasized non-violence, compassion, and religious tolerance, encouraging respect for all religious traditions.

Question 38:

Which of the following battles paved the way for Aurangzeb to become Mughal emperor?

- (A) Battle of Dharmat
- (B) Battle of Kalpi
- (C) Battle of Samugarh
- (D) Battle of Khanwa

Answer: (C) Battle of Samugarh

Solution: The Battle of Samugarh (1658) was a decisive battle that paved the way for Aurangzeb to ascend to the Mughal throne after defeating his brother Dara Shikoh.

Question 39:

Which one of the following is not necessary in microteaching?

- (A) Defining a particular skill
- (B) Small lesson plan

- (C) Teaching a large group of students
- (D) Various means of feedback

Answer: (C) Teaching a large group of students

Solution: Microteaching typically involves teaching a small group of students or peers to focus on developing specific teaching skills with feedback.

Question 40:

_____ is the concept that describes the beliefs of an individual.

- (A) Value
- (B) Attitude
- (C) Behaviour
- (D) Personality

Answer: (A) Value

Solution: Values are the fundamental beliefs that guide an individual's behavior and decision-making.

Question 41:

What is Rigid Constitution?

- i. Where there is differentiation between Law making procedure and Amendment procedure.
- ii. Where there is ratification of State Legislatures is essential.

- (A) i
- (B) ii
- (C) i and ii
- (D) neither i nor ii

Answer: (C) i and ii

Solution: A rigid constitution is one that requires a different (often more difficult) procedure for amendments compared to ordinary laws, and may also involve ratification by state legislatures.

Question 42:

What is correct?

- i. Prime Minister will be head of Cabinet.
- ii. Members of Cabinet will be appointed by the President with the advice of Prime Minister.
- iii. The Cabinet will be collectively responsible to Lok Sabha.

- (A) i
- (B) ii
- (C) iii
- (D) None of the above

Answer: (D) None of the above

Solution: All three statements are correct, but since the options suggest only one should be chosen, the correct option would be "None of the above" if taken individually. However, if a single choice is required, the correct choice is "All of the above" which isn't an option here.

Question 43:

When was Damodar Valley Corporation established?

- (A) 1948
- (B) 1951
- (C) 1954
- (D) 1957

Answer: (A) 1948

Solution: The Damodar Valley Corporation (DVC) was established in 1948 to manage the Damodar River basin in India.

Question 44:

In which State is the Kakrapara nuclear plant located?

- (A) Tamil Nadu
- (B) Uttar Pradesh

- (C) Rajasthan
- (D) Karnataka

Answer: (None of the above; correct is Gujarat)

Solution: The Kakrapar Atomic Power Station (KAPS) is located in the state of Gujarat, not listed in the options provided.

Question 45:

At which of the following place the historic I.N.A. trial took place?

- (A) Supreme Court, New Delhi
- (B) Azad Maidan, Bombay
- (C) Victoria Memorial, Calcutta
- (D) Red Fort, Delhi

Answer: (D) Red Fort, Delhi

Solution: The historic trial of the Indian National Army (INA) officers took place at the Red Fort in Delhi.

Question 46:

To amend the fundamental rights which method shall be adopted?

- i. Simple majority of Parliament
- ii. 2/3 majority of Parliament
- iii. 2/3 majority of Parliament and ratification of more than half of State Legislatures

- (A) i
- (B) ii
- (C) iii
- (D) None of the above

Answer: (C) iii

Solution: To amend fundamental rights in the Indian Constitution, a 2/3 majority of Parliament and ratification by more than half of the State Legislatures is required.

Question 47:

Optical fibre is discovered by

- (A) Narinder Kapany
- (B) Samuel Cohen
- (C) T. H. Maimah
- (D) Jonas Salk

Answer: (A) Narinder Kapany

Solution: Narinder Singh Kapany, an Indian-American physicist, is credited with the invention of optical fibers.

Question 48:

Diseases which are transmitted from one person to another

- (A) AIDS
- (B) Hepatitis B
- (C) Covid – 19
- (D) All the above

Answer: (D) All the above

Solution: AIDS, Hepatitis B, and Covid-19 are all infectious diseases that can be transmitted from one person to another.

Question 49:

What will be sequence number of 2021 population census in India after independence?

- (A) 8th
- (B) 7th
- (C) 9th
- (D) 10th

Answer: (C) 9th

Solution: The 2021 population census in India would be the 9th census conducted since India gained independence in 1947.

Question 50:

On which year 14 big commercial banks were nationalised in India?

- (A) July 1969
- (B) July 1971
- (C) July 1980
- (D) July 1961

Answer: (A) July 1969

Solution: On July 19, 1969, the Indian government nationalized 14 major commercial banks.

EDUCATIONAL INTEREST

Question 51:

Objectives of pre-service teacher training programme does not include

- (A) Professional competence
- (B) Social commitment
- (C) Aesthetic interests
- (D) Religious competence

Answer: (D) Religious competence

Solution: Pre-service teacher training focuses on developing professional skills, social commitment, and sometimes aesthetic interests, but not religious competence.

Question 52:

Role of teacher in institutional planning is

- (A) Identification of needs
- (B) Preparation of improvement programme
- (C) Implementing the project
- (D) Evaluating the project

Answer: (A) Identification of needs

Solution: The teacher's role in institutional planning primarily involves identifying the needs of the institution to improve the educational process.

Question 53:

The demand of 21st century education is

- (A) The content should be engaging, relevant and meaningful to student's life
- (B) Teaching should increase learning, innovation, collaboration
- (C) Contents like global awareness, civic literacy, health awareness should be included
- (D) All the above

Answer: (D) All the above

Solution: 21st-century education demands that content be engaging, teaching methods increase learning and collaboration, and that subjects like global awareness and health literacy are included.

Question 54:

Communication will be effective

- (A) If it is delivered in a calm situation
- (B) If it is delivered slowly and clearly
- (C) If it reaches the receiver completely
- (D) If it reaches the receiver as intended by the sender

Answer: (D) If it reaches the receiver as intended by the sender

Solution: Effective communication occurs when the message is received as intended by the sender, ensuring clear understanding.

Question 55:

The first important step in teaching is

- (A) Knowing the background of students
- (B) Planning beforehand
- (C) Organising materials to be taught
- (D) None of the above

Answer: (A) Knowing the background of students

Solution: Understanding the background of students is crucial as it helps in tailoring the teaching approach to meet their needs effectively.

Question 56:

The main aim of classroom teaching is

- (A) To give information
- (B) To develop enquiring mind
- (C) To develop personality of students
- (D) To help students to pass examination

Answer: (B) To develop enquiring mind

Solution: The primary aim of classroom teaching is to develop an enquiring mind in students, fostering critical thinking and curiosity.

Question 57:

The academic performance of students can be improved, if parents are encouraged to

- (A) Supervise the work of their ward
- (B) Arrange for extra tuition
- (C) Remain unconcerned about it
- (D) Interact with teachers frequently

Answer: (D) Interact with teachers frequently

Solution: Parents interacting frequently with teachers helps in understanding their child's progress and areas that need attention, thus improving academic performance.

Question 58:

Some students in a class exhibit great curiosity for learning. It may be because of the children

- (A) Are gifted
- (B) Come from rich families
- (C) Show artificial behaviour
- (D) Create indiscipline in the class

Answer: (A) Are gifted

Solution: Students exhibiting great curiosity for learning are often gifted, displaying a natural inclination towards knowledge and exploration.

Question 59:

Which of the following is not a part of cognitive domain?

- (A) Content knowledge of school subjects
- (B) Acquisition of skills
- (C) Psychology of children
- (D) Sociological perspectives

Answer: (D) Sociological perspectives

Solution: The cognitive domain involves mental skills and knowledge acquisition, whereas sociological perspectives are part of the social domain.

Question 60:

An effective teaching aid is one which

- (A) Is colourful and good looking
- (B) Visible to all students
- (C) Activates all students
- (D) Easy to prepare and use

Answer: (C) Activates all students

Solution: An effective teaching aid engages all students, making the learning process interactive and dynamic.

Question 61:

Counselling is a process of

- (A) Diagnosis and prescription
- (B) Helping students towards self-direction
- (C) Orientation of pupils towards social expectation
- (D) None of the above

Answer: (B) Helping students towards self-direction

Solution: Counselling aims to help students develop self-direction and make informed decisions about their lives.

Question 62:

At primary level, it is better to teach in mother language because

- (A) It develops self-confidence in children
- (B) It makes learning easy
- (C) It is helpful in intellectual development
- (D) It helps children in learning in natural atmosphere

Answer: (B) It makes learning easy

Solution: Teaching in the mother language at the primary level makes learning easier and more relatable for children.

Question 63:

On the first day of his class, if a teacher is asked by the students to introduce himself, he should

- (A) Ask them to meet after the class
- (B) Tell them about himself in brief

- (C) Ignore the demand and start teaching
- (D) Scold the students for this unwanted demand

Answer: (B) Tell them about himself in brief

Solution: A brief introduction helps establish rapport and sets a positive tone for the class.

Question 64:

The best remedy of the students' problems related to learning is

- (A) Suggestion for hard work
- (B) Study in library in one's supervision
- (C) Suggestion for private tuition
- (D) Diagnostic teaching

Answer: (D) Diagnostic teaching

Solution: Diagnostic teaching identifies specific learning problems and addresses them with tailored strategies to improve student learning.

Question 65:

To maintain interest among students in class, a teacher should

- (A) Use blackboard
- (B) Discuss and ask questions
- (C) Tell stories
- (D) All the above

Answer: (D) All the above

Solution: Using a variety of methods like blackboard use, discussions, questions, and storytelling helps keep students engaged and interested.

Question 66:

Which one is not a quality of a reflective teacher?

- (A) Changes the environment and materials to encourage new learning possibilities

- (B) Reads professional literature to learn more
- (C) Maintains strict discipline
- (D) Reads students' notes carefully

Answer: (C) Maintains strict discipline

Solution: A reflective teacher focuses on improving teaching practices and student learning rather than maintaining strict discipline.

Question 67:

For proper personality development of students, parents should

- (A) Over protect their child
- (B) Regularly compare the child with other students
- (C) Provide conducive environment at home
- (D) Engage qualified teachers for them

Answer: (C) Provide conducive environment at home

Solution: A supportive and conducive home environment is crucial for the proper personality development of students.

Question 68:

The most important indicator of quality of education in a school is

- (A) Infrastructural facilities of a school
- (B) Classroom system
- (C) Textbooks and teaching-learning material
- (D) Student achievement level

Answer: (D) Student achievement level

Solution: The most significant indicator of educational quality is the achievement levels of the students, reflecting effective teaching and learning.

Question 69:

When the students try to solve the questions in some different way as taught by the teacher from prescribed books, then these students should be

- (A) Discouraged to consult some books other than prescribed books on the subjects
- (B) Suggested to talk with their teachers after the class
- (C) Encouraged to consult some other books on the subject
- (D) Suggested to follow the classroom notes in order to get good marks in the examination

Answer: (C) Encouraged to consult some other books on the subject

Solution: Encouraging students to consult additional resources fosters independent learning and critical thinking skills.

Question 70:

In context of the habit of absenteeism of student

- (A) The Principal and parents should worry
- (B) The officials of the schools should take action against them as per school's discipline
- (C) They should be given less priority in the classroom in relation to regular students
- (D) The teachers should take it as a serious problem

Answer: (D) The teachers should take it as a serious problem

Solution: Teachers should address absenteeism seriously, identifying and addressing the underlying causes to support the student's learning.

GENERAL ENGLISH

Question 86:

There were lesser number of virus related deaths

- (A) On the day of reporting
- (B) The day before reporting
- (C) Few days before reporting
- (D) In New York City

Answer: (A) On the day of reporting

Solution: The passage states that New Jersey reported 113 new virus-related deaths, which is a decrease of 18 from the previous day. This means there were fewer deaths on the day of reporting.

Question 90:

What is the name of the Governor of New York City?

- (A) NYC
- (B) Andrew M. Cuomo
- (C) M. Cuomo
- (D) Hotspots

Answer: (B) Andrew M. Cuomo

Solution: The passage mentions that Gov. Andrew M. Cuomo is the Governor of New York City.

Question 91:

I _____ if you had told me.

- (A) Would help
- (B) Would have helped
- (C) Helped
- (D) Will help

Answer: (B) Would have helped

Solution: The correct grammatical structure for this conditional sentence is "would have helped" (past conditional).

Question 92:

_____ only girl who got the award is my sister.

- (A) The
- (B) A
- (C) An
- (D) Some

Answer: (A) The

Solution: "The" is used to specify the particular girl who got the award, making the sentence correct and clear.

Question 93:

The teacher _____ mistakes in the essay.

- (A) Pointed in
- (B) Pointed
- (C) Points
- (D) Pointed out

Answer: (D) Pointed out

Solution: "Pointed out" is the correct phrasal verb that means to identify or draw attention to something.

Question 96:

Find the sentence which is irrelevant (not connected with) for the paragraph given below.

Chhattisgarh is called the rice bowl of India. Chhattisgarh was carved out from Madhya Pradesh. Many varieties of rice are grown here. A large part of the

agricultural land in Chhattisgarh is utilised for growing paddy. Rice is the staple food of Chhattisgarhis.

- (A) Chhattisgarh is known as the rice bowl of India
- (B) Many varieties of rice are grown here
- (C) Chhattisgarh was carved out from Madhya Pradesh
- (D) None of the above

Answer: (C) Chhattisgarh was carved out from Madhya Pradesh

Solution: The sentence "Chhattisgarh was carved out from Madhya Pradesh" does not directly relate to the topic of rice production, making it irrelevant to the given paragraph.

Question 97:

I invited him. _____ he refused to join the party.

- (A) Not only
- (B) But also
- (C) Eventhough
- (D) But

Answer: (D) But

Solution: "But" is the appropriate conjunction to use in this context, indicating a contrast between the invitation and the refusal.