

# CG Pre BEd 2024 Solution

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5. Complete the series 5760, 2880, 960, 240, 48, ?

- A. 8
- B. 17
- C. 12
- D. 16

**Ans. 8**

Explanation: First Term = 5760.

Second term =  $5760 / 2 = 2880$ .

Third Term =  $2880 / 3 = 960$ .

Fourth term =  $960 / 4 = 240$ .

Fifth term =  $240 / 5 = 48$ .

So, Required term =  $48 / 6 = 8$ .

6. Seven-year-old boy Nehan has been asking his parents for a dog for the last two years. His parents have told him an apartment is not the right place to keep a pet Dog, but they have permitted him to have a bird. Nehan has not yet decided what kind of bird he wants.

Find the statement that must be true according to the given information.

- A. Nehan does not like birds.
- B. Nehan's parents do not like dogs.
- C. Nehan and his parents stay in an apartment.
- D. Nehan and his parents decided to move.

**Ans.** Option C is correct

Nehan and his parents stay in an apartment.

7. If 'x' means '÷', '÷' means '+', '+' means '-' and '-' means 'x' then,  
 $2 - 50 + 40 \times 10 \div 96$  ?

- A. 104
- B. 98
- C. 192
- D. 102

**Ans.**  $2 \times 50 - 40 \div 10 + 96$   
 $= 100 - 40 \div 10 + 96$   
 $= 100 - 4 + 96$   
 $= 196 - 4$   
 $= 192$

8. BRUSH | UBRHS | BUSRH | SBUHR | BSRUH

Which of the following options comes next in the above sequence?

- A. SBHRU
- B. RBSHU
- C. RBHUS
- D. URBSH

**Ans.** RBSHU

10. Three of the following four words are alike in a certain way, and one is different. Pick the odd one out.

- A. Pentagon
- B. Hexagon
- C. Heptagon
- D. Hendecagon

**Ans.** Hexagon

Here all the polygons are of odd number of sides except hexagone.

Hendecagon is a polygon of 11 sides, Heptagon is a polygon of 7 sides and Pentagon is a polygon of 5 sides.

Only Hexagon is an odd one here as it has an even number of sides i.e. 6 sides.

Hence, option 2 is the correct answer.

**11. Look at this series : 22, 21, 23, 22, 24, 23, ..... What number should come next?**

- A. 22**
- B. 24**
- C. 21**
- D. 25**

**Ans.** In this simple alternating subtraction and addition series;

1 is subtracted, then 2 is added, and so on.

Rule = (first number - 1) (second number + 2) (third number - 1) (fourth number + 2).....

Now The series is 22, 21, 23, 22, 24, 23, . . .

(22 - 1 = 21), (21 + 2 = 23), (23 - 1 = 22), (22 + 2 = 24), (24 - 1 = 23) (23 + 2 = 25)

So the answer is 25.

**12. Three of the following four words are alike in a certain way and one is different. Pick the odd one out.**

- A. Ohm**
- B. Ampere**
- C. Volts**
- D. Kelvin**

**Ans.** Option D is correct

Explanation: Ohm ( $\Omega$ ) is the unit of electrical resistance.

Ampere (A) is the unit of electric current.

Volts (V) is the unit of electrical potential difference (voltage).

Kelvin (K), on the other hand, is the unit of temperature in the International System of Units (SI).

**16. In a certain code, 'WRONG' is written as 'FMNQV'. How is 'RIGHT' written in that code?**

- A. QHFGS**
- B. SJHIU**
- C. UIHJS**

**D. SGFHQ**

**Ans.** SGFHQ

The letters of the word are written in reverse order and then each letter is moved one step backward to get the code.

W-> V, R->Q,O->N, N->M, G->F Similarly, R-> Q, I-> H, G-> F, H->G , T->S  
Hence,RIGHT will be coded as SGFHQ.

**17. A person walked 5 meters towards the north, took a left turn and walked for 10 meters. He then took a right turn and walked for 20 meters, and again took a right turn and walked 10 meters. How far is he from the starting point?**

- A. 20 meters**
- B. 25 meters**
- C. 30 meters**
- D. 45 meters**

**Ans.** Let's consider the movement of the man from the starting point:

The man walked 5m towards the north.

He took a left turn and walked for 10m towards the west.

He then took a right turn and walked for 20m towards the north.

He again took a right turn and walked 10m towards east. Let's draw a diagram to visualize the above information: Here, the man has moved in the shape of a right-angled triangle. Using Pythagoras theorem, we can find the distance of the man from the starting point.

$$\text{Distance} = \sqrt{5^2 + 10^2} + 10^2 + 20^2 + 10^2$$

$$\text{Distance} = \sqrt{25 + 100} + 100 + 400 + 100$$

$$\text{Distance} = \sqrt{625}$$

$$\text{Distance} = 25\text{m}$$

**18. What should come next in the following series? 6 8 8 1 2 6 8 6 1 2 3 6 8 8 1 2 3 4 6 8 6 1 2 3 4 5 6 8 ?**

- A. 6**
- B. 1**
- C. 2**
- D. 8**

**Ans.** Starting with 6 8 8 Then, the sequence of numbers 1 2 follows. Next, 6 8 6 appears. Then, 1 2 3 follows. Then, 6 8 8 follows. Then, 1 2 3 4 follows. Then, 6 8 6 follows. Then, 1 2 3 4 5 follows. Next, 6 8 appear. Following this pattern, after 1 2 3 4 5 6 8, the next number should be 8. Therefore, the next number in the series is 8.

**19. Pointing to a person, Rohit said, 'He is the younger of the two brothers of the daughter of my father's wife.' How is the person related to Rohit?**

- A. nephew**
- B. brother**
- C. son**
- D. uncle**

**Ans.** brother

Explanation: Rohit's father's wife is Rohit's mother. The daughter of Rohit's mother (Rohit's sister) has two brothers. The person being pointed to (he) is the younger of these two brothers. Therefore, the person being pointed to is Rohit's brother.

**20. Arun is taller than Bhanu and Bhanu is taller than Charan but shorter than Dilip. Who is the tallest among them?**

- A. Arun**
- B. Dilip**
- C. Arun or Dilip**
- D. Bhanu**

**Ans.** Dilip

**21. Satish read a book on Sunday. Sudha read that book one day before Anil but four days after Satish. On which day did Anil read the book?**

- A. Friday**
- B. Saturday**
- C. Thursday**
- D. Tuesday**

**Ans.** Sudha read the book 4 days after Sunday. It means Sudha read the book on Thursday. Hence, Anil will read the book on Friday.

**22. In a class of 10 girls and 20 boys, Jaya's rank is '4' among the girls and '18' in the class. What is Jaya's rank among boys in the class?**

- A. 14
- B. 15
- C. 16
- D. It cannot be determined

**Ans.** There are 3 girls who ranked higher than Jaya and 14 boys ahead of Isha. (As he ranked 4th among girl and 18th in class)  
Hence, Jayas rank is 15th among the boys.

**23. In a row of girls, Manasa is eighth from the left and Indu is seventeenth from the right. If they interchange their positions, Manasa becomes fourteenth from the left. How many girls are there in the row?**

- A. 30
- B. 25
- C. 22
- D. 31

**Ans.** Since Manasa and Indu interchange positions, Shilpa's new position is the same as Indu's earlier position.  
This position is 14th from the left (Manasa's new position) and 17th from the right (Indu's earlier position).

∴

Number of girls in the row =  $(13 + 1 + 16) = 30$ .

**24. 'P x Q' means 'P is mother of Q',**

**'P ÷ Q' means 'P is sister of Q',**

**'P + Q' means 'P is brother of Q',**

**'P- Q' means 'P is father of Q'**

**How is 'K' related to 'D' in the expression? D ÷ F - T+ K**

**A. Nephew or Niece**

- B. Nephew
- C. Niece
- D. No relation can be established

Ans. Nephew

25. In a certain code, '123' means 'I am going', '345' means 'I was eating' and '146' means 'She was going'. Which of the following numerals stands for 'eating'?

- A. 1
- B. 2
- C. 5
- D. 3

Ans. The logic followed here is:-

Each number and word coded on the same place, which is given below:-

1	2	3
I	am	going
3	4	5
I	was	eating
1	4	6
She	was	going

5 stands for 'eating' in that language.  
Hence, "option 2" is the correct answer

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26. Four of the following five numbers belong to one group in a certain way and the other is different. What is that different number? 84, 76, 56, 94, 24

- A. 84
- B. 56
- C. 94
- D. 76

Ans. 94

**27. Some birds are animals**

**All animals are rivers**

**Some rivers are lions**

**Conclusions: (I) Some lions are animals (II) Some rivers are birds (III) No animal is a lion Three conclusions are drawn from the statements given.**

**Which of the conclusions logically follow?**

**A. Only (II) follows**

**B. Only either (I) or (III) follows**

**C. Only (II) & (III) follow**

**D. (II) and either (I) or (III) follow**

**Ans. A. Only (II) follows**

**28. In the following sequence of numbers, each number's first and second digits are interchanged and form a new set of numbers. If the new set of numbers is arranged in descending order, which number will be the second in the set? 385, 472, 961, 528, 284**

**A. 284**

**B. 385**

**C. 472**

**D. 528**

**Ans. A. 284**

If we interchange the first and second numbers we get new set of numbers that is 835, 742, 691, 258, 824 and by arranging them in descending order we get 835, 824, 742, 691, 258 so the answer is 284.

**29. In a row of 40 children facing North, Satish is eighth to the right of Ajay. If Ajay is 18th from the right end of the row, how far is Satish from the left end of the row?**

**A. 32**

**B. 31**

**C. 26**

**D. 10**

**Ans. Ajay from right 18th and,**

**Satish 8th to the right of Ajay.**

**then,**

**Satish Position from right = Ajay Position from right - 8 = 18 - 8 = 10.**



therefore,

Satish Position from Left = (Total children in row + 1) - Satish Position from right  $(40+1)-10 = 41-10=31$

Hence, Satish is 31 from the left end of the row.

**30. Gopal remembers that his friend Rajesh's birthday is after the 4th of December but before the 7th of December. Rajesh's sister, who was born on 8th December, remembers that her brother's birthday is either two days before or two days after her birthday. When is Rajesh's birthday?**

**A. 5 th December**

**B. 4 th December**

**C. 7 th December**

**D. 6 th December**

**Ans.** 6 th December

Gopal knows that Rajesh's birthday is after the 4th of December but before the 7th of December. This narrows down the possible dates to December 5th and December 6th. Rajesh's sister, whose birthday is on the 8th of December, remembers that Rajesh's birthday is either two days before or two days after her birthday. If Rajesh's birthday were two days before his sister's ( $8\text{th} - 2 = 6\text{th}$  December), then it fits one of Gopal's clues. If Rajesh's birthday were two days after his sister's ( $8\text{th} + 2 = 10\text{th}$  December), it does not fit within Gopal's given range (after the 4th and before the 7th). Therefore, the only date that satisfies both Gopal's information (after the 4th and before the 7th) and Rajesh's sister's information (two days before her birthday) is December 6th.

## General Knowledge

**31. Match the following newspapers with their editor or founders**

**Newspapers**

(a) Mirat-ul Akhbar

(b) Comrade

(c) Al-Hilal

(d) Yugantar

**Editors/Founder**

(I) Moulana Abul Kalam Azad

(II) Varindra Kumar Ghosh

(III) Mohammad Ali

(IV) Raja Rammohan Roy

**Choose the correct option**

A. a-I, b-II, c-III, d-IV

B. a-IV, b-III, c-I, d-II

C. a-IV, b-I, c-II, d-III

D. a-III, b-II, c-I, d-IV

**Ans.** Option D is correct

(a) Mirat-ul Akhbar: Mohammad Ali

(b) Comrade: Varindra Kumar Ghosh

(c) Al-Hilal: Moulana Abul Kalam Azad

(d) Yugantar: Raja Rammohan Roy

**32. In which year did Bal Gangadhar Tilak go to jail for the crime of treason?**

A. 1897

B. 1900

C. 1901

D. 1906

**Ans.** In 1906 Bal Gangadhar Tilak went to jail for the crime of treason.

- 33. Which statement is wrong regarding Indian Monsoon?**
- A. Monsoon winds are permanent as trade winds.**
  - B. Monsoon distributes in to two branches after entering in Southern side of India in the first week of June.**
  - C. Arabian sea branch and Bay of Bengal branch both confluences in the North West Part of Ganga plains.**
  - D. Rainfall in Delhi occurs from the Bay of Bengal branch.**

**Ans.** A. Monsoon winds are permanent as trade winds.

Explanation :This statement is incorrect because monsoon winds are not permanent like trade winds. Monsoon winds are seasonal.

**34. Declared a national waterway by the government of India.**

- (I) Ganga water way between Haldiya and Allahabad.**
  - (II) Western Coastal Canal in Kerala (Kottapuram to Kollam)**
  - (III) Brahmaputra water way between Sadiya and Dhubri.**
- A. Only (I) is correct**
  - B. Only (III) is correct**
  - C. (I) and (III) are correct**
  - D. All are correct**

**Ans.** C. (I) and (III) are correct

The national waterways declared by the Government of India are: (I) Ganga waterway between Haldiya and Allahabad.

(III) Brahmaputra waterway between Sadiya and Dhubri.

These two are officially recognized as National Waterways in India.

**35. Gas pipeline expansion is-**

- (I) Salaya to Jalandhar**
- (II) Hazira to Jagdishpur**
- (III) Vadodara to Siliguri**
- (IV) Barauni to Haldia**

- A. (I), (II), (III) are correct**
- B. (I), (II), (IV) are correct**
- C. (I), (III), (IV) are correct**
- D. (II), (III), (IV) are correct**

**Ans. B.** (I), (II), (IV) are correct

Gas pipeline expansion refers to the process of extending and upgrading existing gas pipelines or constructing new pipelines to increase the reach and capacity of natural gas distribution across different regions. Gas pipeline expansion projects in India are as follows: (I) Salaya to Jalandhar (II) Hazira to Jagdishpur (IV) Barauni to Haldia.

**36. Karewa is-**

- (I) Deposit of a thick layer of moraine consists of clay and other substances.**
  - (II) Famous for Saffron cultivation.**
  - (III) A clay-like brown deposit formed by the partial decomposition of plant matter in swamps and subsequent wet acidic conditions.**
- A. Only (I) is correct**
  - B. Only (II) is correct**
  - C. (I) and (III) are correct**
  - D. All are correct**

**Ans. B.** Only (II) is correct

Karewas are geological formations found in the Kashmir Valley of India. They are known for their fertile soil and are ideal for saffron cultivation.

**37. Consider the following statement-**

**(I) Khadar (Old) and Bangar (New) are alluvial soil.**

**(II) Regur soil is suitable for cotton cultivation.**

**Which of the statements given above is/are correct?**

**A. Only (I) is correct**

**B. Only (II) is correct**

**C. Both (I) and (II) are correct**

**D. (I) and (II) both wrong**

**Ans. C. Both (I) and (II) are correct**

**Khadar:** This is newer soil found in the floodplains of rivers. It's fertile because it gets fresh deposits of fine silt every time there's a flood. People use it to grow crops like rice and vegetables.

**Bangar:** This is older soil on higher ground next to the floodplains. It's not as fertile as Khadar but is still good for farming.

Cotton plants need soil that holds water well, and Regur soil does this effectively. It's known for producing good cotton crops because of its moisture-retention and nutrient-holding properties.

**38. Which of the following is the institutional source of rural credit?**

**A. Regional Rural Banks**

**B. Landlords**

**C. Traders**

**D. Money lenders**

**Ans. A. Regional Rural Banks**

Regional Rural Banks (RRBs) are financial institutions established with the specific mandate of providing credit and other financial services to the rural and semi-urban population. They are set up by the Government of India in collaboration with the State Governments and commercial banks.

**39. The main policy measures in the agriculture sector were adopted in the mid-1960's. These includes-**

- (a) input subsidies**
- (b) minimum support price**
- (c) public storage**
- (d) Trade restriction measures**

- A. (a), (b) and (c)**
- B. Only (a)**
- C. Both (a) and (c)**
- D. All of the above**

**Ans.** A. (a), (b) and (c)

The main policy measures adopted in the agriculture sector in the mid-1960s include:

- (a) Input subsidies
- (b) Minimum support price (MSP)
- (c) Public storage

These measures were pivotal in shaping India's agricultural policies during that period and have continued to be important components of agricultural policy in subsequent years.

**40. Match the List A with List B**

<b>List A</b>	<b>List B</b>
<b>(a) MRTP Act</b>	<b>(I) 1956</b>
<b>(b) FEMA</b>	<b>(II) 1970</b>
<b>(c) Industrial Policy Resolution</b>	<b>(III) 1969</b>
<b>(d) Industrial Licensing</b>	<b>(IV) 1999</b>

- A. a-II, b-IV, c-I, d-III**
- B. a-III, b-IV, c-I, d-II**
- C. a-IV, b-III, c-I, d-II**
- D. a-I, b-IV, c-II, d-III**

**Ans.** B. a-III, b-IV, c-I, d-II

- (a) MRTP Act - (III) 1969
- (b) FEMA - (IV) 1999
- (c) Industrial Policy Resolution -(I) 1956
- (d) Industrial Licensing - (II) 1970

**41. The audible range of sound for an average human beings is in the frequency range of**

- A. 20 Hz - 20 kHz**
- B. 10 Hz - 50 kHz**
- C. 5 Hz - 10 kHz**
- D. 40 Hz - 40 kHz**

**Ans.** The audible range of sound for an average human being is typically considered to be from 20 Hz to 20 kHz.

**42. Choose the right option**

**Assertion (A) : Benign Tumors are called neoplastic cells.**

**Reason (R) : Malignant Tumor spreads to other organs of the body.**

- A. Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).**
- B. Assertion (A) and Reason (R) are true but Reason (R) is not the correct explanation of Assertion(A).**
- C. Assertion (A) is true but Reason(R) is false.**
- D. Assertion (A) is false but Reason(R) is true.**

**Ans.** D. Assertion (A) is false but Reason (R) is true.

Explanation: Tumors are of two types : benign and malignant. Benign tumors normally remain confined to their original location and do not spread to other parts of the body and cause little damage. Malignant tumors, on the other hand, are masses of proliferating cells called neoplastic or tumor cells. These cells grow very rapidly, invading and damaging the surrounding normal tissues. As these cells actively divide and grow, they also starve the normal cells by

competing for vital nutrients. Cells sloughed from such tumors reach distant sites through blood, and wherever they get lodged in the body, they start a new tumor there. This property is called metastasis which is the most feared property of malignant tumors.

**43. The body responsible for planning, implementation and evaluation of educational programmes of school education and teacher education at the State Level-**

- A. N.C.E.R.T**
- B. S.C.E.R.T**
- C. D.I.E.T**
- D. C.B.S.E.**

**Ans.** The body responsible for planning, implementation and evaluation of educational programmes of school education and teacher education at the State Level- S.C.E.R.T

**44. What is the objective of the “National Literacy Mission (NLM)” set up on 5th May 1988?**

- A. To restructure the educational organizations for better implementation of adult education policies.**
- B. To implement the policy of adult education for all in a new spirit.**
- C. To sensitive people about equity and equality issues.**
- D. Impart functional literacy to 80 million illiterate persons in 15-35 age group.**

**Ans.** Impart functional literacy to 80 million illiterate persons in 15-35 age group.

The objective of the National Literacy Mission (NLM), which was set up on 5th May 1988 in India, is to eradicate illiteracy from the country. The NLM aims to impart functional literacy to non-literates in the age group of 15 to 35 years within a specific time frame.



**45. In the context of District Primary Education Programme (DPEP) which of the following statement/statements is/are correct-**

**(I) Improving school effectiveness.**

**(II) Strengthening the alternatives to schooling, particularly the nonformal education system.**

**A. Only (I)**

**B. Only (II)**

**C. Both (I) and (II)**

**D. Neither (I) nor (II)**

**Ans. C. Both (I) and (II)**

DPEP aimed to improve the effectiveness of primary schools by enhancing infrastructure, providing teacher training, improving curriculum and teaching materials, and implementing various measures to ensure better learning outcomes. DPEP recognized the importance of non formal education systems as alternatives for children who were unable to attend formal schools.

**46. Which Commission of Education in India expressed the opinion that the tasks before agricultural development are, therefore, clear. We must at least attempt to double the production of food in the next 15 years and maintain adequate growth thereafter?**

**A. Kothari Commission (Education Commission) (1964-66)**

**B. Mudaliar Commission (Secondary Education Commission) (1952-53)**

**C. RadhaKrishnan Commission (University Education Commission) (1948-49)**

**D. National Knowledge Commission (2006-09)**

**Ans. Kothari Commission (Education Commission) (1964-66)** in India expressed the opinion that, the tasks before agricultural development are, therefore, clear. We must at least attempt to double the production of food in the next 15 years and maintain adequate growth thereafter.

**47. Which of the following is the correct option in context of the Right of Children to Free and Compulsory Education (RTE) Act 2009?**

**A. For class 1 to 5 - 200 working days and 800 instructional hours in an academic year. For class 6 to 8 - 220 working days and 1000 instructional hours in an academic year**

**B. For class 1 to 5 - 180 working days and 800 instructional hours in an academic year. For class 6 to 8 - 180 working days and 720 instructional hours in an academic year.**

**C. For class 1 to 5 - 200 working days and 1000 instructional hours in an academic year. For class 6 to 8 - 220 working days and 1100 instructional hours in an academic year.**

**D. For class 1 to 5 - 200 working days and 1200 instructional hours in an academic year. For class 6 to 8 - 220 working days and 1320 instructional hours in an academic year.**

**Ans.** A. For class 1 to 5 - 200 working days and 800 instructional hours in an academic year. For class 6 to 8 - 220 working days and 1000 instructional hours in an academic year is correct in context of the Right of Children to Free and Compulsory Education (RTE) Act 2009.

**48. Which of the following expenses shall be changed upon the consolidated fund of India?**

**(I) Salary of Judges of the Supreme Court.**

**(II) Salary of Officers & Servants of the Supreme Court.**

**(III) Administrative Expenses of the Supreme Court.**

**(IV) Maintenance of Building of Court.**

**A. (I)**

**B. (I), (II)**

**C. (I), (II), (III)**

**D. (I), (II), (III), (IV)**

**Ans.** D. (I), (II), (III), (IV)

**49. Consider the following Statements-**

**(I) The judges of the Supreme Court can be eligible for further office under any government after he has ceased to hold his office.**

**(II) The Comptroller and Auditor General is not eligible for further office under any Government after he has ceased to hold his office.**

**Now answer**

**A. (I) is correct**

**B. (II) is correct**

**C. (I) & (II) both are correct**

**D. (I) & (II) both are wrong**

**Ans. B. (II) is correct**

According to Article 148(5) of the Indian Constitution, the Comptroller and Auditor General (CAG) shall not be eligible for further office under the Government of India or the Government of any State after he has ceased to hold his office.

**50. What are the similarities between a money bill and a finance bill?**

**(I) Both are pre signed by the President.**

**(II) Both can be introduced in Lok Sabha only.**

**(III) Rajya Sabha can hold 14 days only.**

**(IV) The President can't refuse to assent.**

**A. (I)**

**B. (I), (II)**

**C. (I), (II), (III)**

**D. (I), (II), (III), (IV)**

**Ans. B. (I), (II)**