

SEBI Grade A PYQ Phase 1 Paper 1 by C4S

Directions (1–8):

Read the following passage carefully and answer the questions given below them.

Paper is an important part of modern life. People use it in school, at work, to make artwork and books, to wrap presents and much more. Trees are the most common ingredient for paper these days, but people have been taking notes and creating artworks for a very long time using lots of other kinds of surfaces and materials.

Humans painted pictures on cave walls during the Ice Age. The oldest known drawing, found on a small rock in South Africa, was made 73,000 years ago. Written language came a long time later. The Sumerians, in what is now Iraq, and the Egyptians used pictures in the first written languages more than 5,000 years ago. They also wrote on slabs of wet clay, using a pen or brush made from a reed. Sometimes they baked these slabs hard in ovens to preserve them.

The Egyptians pioneered the first paper. Papyrus came from a 15-foot-tall (4.5 meter) plant of the same name that grew in marshlands along the Nile River. They cut the stalk into thin strips, pressed them together and dried them into the long rolls you can now see preserved in museums. They wrote in ink, which didn't smudge or blur on this new paper. Papyrus made it easy to carry their writing with them in rolled-up scrolls – much easier than carrying around heavy clay tablets and rocks.

Making tons of paper from trees can harm the planet. Cutting forests and farms down for paper also contributes to climate change, and paper factories pollute the air. After you throw paper in the trash, a truck takes it to a dump, where it takes six to nine years to decompose. That's why recycling is important. It saves a lot of trees, slows climate change, reduces air pollution and helps protect endangered animals, birds and all creatures that rely on forests for their homes.

Questions

Q1. According to the passage, which of the following statements support the fact that paper is a crucial part of modern life?

- (a) More than two million trees are cut down annually to make paper.
- (b) Paper is an indispensable part of everyday tasks like academics, desk work etc.
- (c) Many offices are adopting paperless office policies to reduce dependence on paper.
- (d) As the paper is made from natural ingredients it isn't harmful to the environment.
- (e) None of these

Q2. What was/were the ancient way(s) of inscription before the inception of papers, as mentioned in the passage?

- (a) Scribing on banana leaves using a pointed wooden stem.
- (b) Writing on a slab made of wet clay with a wooden brush.
- (c) Carving pictures on the walls of caves or on a small rock.
- (d) Only (a) and (b)
- (e) Only (b) and (c)

Q3. As mentioned in the passage, what was/were the features of the first paper developed?

- (I) The paper was made in a way in which ink didn't smear on it.
- (II) The paper was introduced by Egyptians and was made up of Papyrus plants.
- (III) The paper was flexible enough to be rolled up and was convenient to carry around.

- (a) Only (I)
- (b) Both (II) and (III)
- (c) Only (III)
- (d) All of these
- (e) Only (II)

Q4. As suggested by the author, why do we need to recycle paper?

- (a) Recycling will curtail the total number of trees cut down.
- (b) Extinction of various species can be ceased by protecting their habitats.
- (c) Recycling of papers will somehow decelerate climate change.
- (d) Air pollution will also be decreased as a result of the recycling of papers.
- (e) All of these

Q5. Which of the following statements is incorrect with reference to the paragraph?

- (a) Manufacturing of papers isn't in the interest of the environment.
- (b) A paper takes less than five years to get decomposed.
- (c) Papers made by Egyptians are still can be seen in museums.
- (d) The oldest known portrayal is still present in South Africa.
- (e) All are correct

Q6. Which of the following words is the most suitable word for the blank given in the passage?

- (a) carting
- (b) boding
- (c) seizing
- (d) swathing
- (e) animosity

Q7. Which of the following words has a similar meaning to the word '*pioneered*'?

- (a) incumbent
- (b) developed
- (c) convicted
- (d) chastened
- (e) faltered

Q8. Which of the following words has an opposite meaning to the word '*preserve*'?

- (a) maze
- (b) fudged
- (c) staple
- (d) vandalize
- (e) appease

Directions (9–13):

In the following questions, six sentences are given. Rearrange these sentences to make a contextually meaningful paragraph. Later, answer the follow-up questions.

(A) But all of them have failed, primarily because of the mismatch between the two countries on the purposes for which they collaborated.

(B) Unlike the earlier iterations, it comes at a time when India, too, is emerging as a major economic power.

(C) Since the 1960s, both countries have made many attempts to jump on each other's technology bandwagon.

(D) The ICET is perhaps better positioned.

(E) The promise of this initiative, if fulfilled, could have a transformative impact on India–U.S. relations.

(F) Earlier this month, the U.S. and India inaugurated their initiative on critical and emerging technologies (ICET).

Q9. Which is the **SECOND** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q10. Which is the **LAST** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q11. Which is the **THIRD** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q12. Which is the **FIRST** sentence after rearrangement?

- (a) F
- (b) B
- (c) C
- (d) A
- (e) E

Q13. Which is the **FOURTH** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Directions (14–17):

Read each of the sentences to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is *No error*, the answer is **(e)**. (Ignore errors of punctuation, if any.)

Q14. A study has revealed (A) / that animals don't (B) / harm you unless you (C) / not harm them first (D) / No error.

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q15. The varieties of glass (A) / differ widely in (B) / chemical composition and (C) / in physical qualities (D) / No error (E).

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q16. No other (A) / monument is (B) / so beautiful (C) / as the Taj Mahal (D) / No error (E).

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q17. A former player was (A) / invited for the school (B) / sports championship for (C) / felicitating winners (D) / No error (E).

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Directions (18–20):

Each of the given questions contains a sentence with a **bold word**.

Choose a word from the following options that can replace the bold word appropriately to make the sentence grammatically and contextually correct.

Q18. Despite his **exuberant** fascination with death, he maintained a surprisingly cheerful demeanor in social settings.

- (a) buoyant
- (b) jovial
- (c) morbid
- (d) vivacious
- (e) No replacement required

Q19. His **elusive** enthusiasm for the project was evident in his animated gestures and unwavering dedication.

- (a) cryptic
- (b) evasive
- (c) nebulous
- (d) overt
- (e) No replacement required

Q20. Despite the stressful situation, she maintained an **indignant** demeanor, offering kind words and a supportive presence to those around her.

- (a) amiable
- (b) infuriate
- (c) exasperated
- (d) ireful
- (e) No replacement required

Directions (21–25):

The table given below shows the average number of students using either mobile or laptop in five different classes (A, B, C, D, and E).

It also shows the ratio of students using mobile to laptop in these five classes.

Read the data carefully and answer the following questions.

Classes Mobile : Laptop Average of Students Using Mobile and Laptop

A	4 : 3	35
B	2 : 5	35
C	3 : 4	70
D	11 : 13	60
E	15 : 7	55

Q21. Find the ratio of students using mobile in **C and D together** to the students using laptops in **B and E together**.

(a) 21:17

(b) 23:15

(c) 23:19

(d) 23:17

(e) 21:17

Q22. Total number of students using both the devices in **A and B together** is what percentage of the students using both the devices in **C**.

(a) 110%

(b) 105%

(c) 90%

(d) 80%

(e) 100%

Q23. Find the **average number of students using laptops** in all the five classes.

(a) 58

(b) 52

(c) 56

(d) 54

(e) 50

Q24. Ratio of male to female students in class **C** is **1 : 3**, and the number of males using mobile in class C is **35**.

Find the number of females using laptops in class C.

(a) 110

(b) 125

(c) 80

(d) 95

(e) 85

Q25. Number of students using laptops in all the classes is what percentage **more/less than** that of students using mobile in these classes.

- (a) 6%
- (b) 8%
- (c) 10%
- (d) 12%
- (e) 4%

Directions (26–28):

What will come in the place of question mark (?) in the following number series?

Q26. 32, 48, 120, ?, 1890, 10395

- (a) 420
- (b) 450
- (c) 430
- (d) 410
- (e) 400

Q27. 2, 5, 11, ?, 47, 95

- (a) 25
- (b) 24
- (c) 23
- (d) 20
- (e) 28

Q28. 197, 174, 145, 114, ?, 36

- (a) 65
- (b) 66
- (c) 75
- (d) 77
- (e) 72

Q29. The value of **X** is the product of 3 and 4, and a person **A** can complete the work in **X days**. 'B' takes **Y days** to complete that work.

If **Y** is the product of 3 and 42, then find the number of days taken by **C**, whose efficiency is **double the average** of A and B together, to complete that work.

- (a) 9.6 days
- (b) 8.6 days
- (c) 7.6 days
- (d) 10.6 days
- (e) 11.6 days

Q30. The total cost of painting the four walls with ceiling is **Rs. 5800**.

If the cost of painting is **Rs. 20 per m²**, and the **length** and **height** of the room are **10 meters** and

8 meters respectively,
then find the **breadth** of the room.

- (a) 4 meters
- (b) 3 meters
- (c) 6 meters
- (d) 5 meters
- (e) 8 meters

Q31. The present age of **A** is **35 years**, and the ratio of the age of A five years hence to the age of B five years ago is **m : n**.

If the difference between the ages of A and B is **five years**, then find the value of **m : n**.

- (a) 8 : 5
- (b) 7 : 8
- (c) 8 : 7
- (d) 5 : 8
- (e) Both (a) and (c)

Q32. A shopkeeper offers two discount schemes **A** and **B**.

In scheme **A**, he offers **two T-shirts free on buying five T-shirts**,
while in scheme **B**, he offers a **15% discount** on buying five T-shirts.

Which scheme is best for the buyer and shopkeeper respectively?

- (a) A, B
- (b) Can't be determined
- (c) Both of the schemes are same
- (d) B, A
- (e) None of these

Q33. A policeman saw a thief when he was **100 meters away** from him.

The policeman started running behind the thief with an average speed of **1800 meters/minute**,
and the thief started running with **x meters/second** when he noticed that the policeman was just **50 meters behind**.

The policeman caught the thief in total of ____ (time not given).

Find the value of **x**.

- (a) 25
- (b) 24
- (c) 16
- (d) 18
- (e) 20

Q34. A **50-liter mixture** of alcohol and water is in the ratio **7 : 3**.

10 liters of the mixture is removed and replaced by pure water, and this process is repeated **two more times**.

Find the quantity of **alcohol** in the newly formed mixture.

(a) 16.52 liters

(b) 19.52 liters

(c) 15.92 liters

(d) 17.82 liters

(e) 17.92 liters

Q35.

A, B, and C invested in a business with the investment of Rs. 3000, Rs. 4500 and Rs. 2000 respectively. After 4 months A and B increased their investment by 20% of their initial investment each whereas C decreased his investment by $\frac{1}{5}$ of his initial investment. If the profit share of B is Rs. 7650, then find the total profit.

(a) Rs. 15450

(b) Rs. 16650

(c) Rs. 10500

(d) Rs. 18500

(e) Rs. 12750

Direction (36-37):

In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer.

(a) If $x > y$

(b) If $x < y$

(c) If $x \geq y$

(d) If $x \leq y$

(e) If $x = y$ or no relation can be established between x and y

Q36.

I. $\underline{\hspace{1cm}}x^2 - 2x - 35 = 0$ $\underline{\hspace{1cm}}$

II. $\underline{\hspace{1cm}}y^2 + 13y + 42 = 0$ $\underline{\hspace{1cm}}$

Q37.

I. $\underline{\hspace{1cm}}2x^2 - 11x + 15 = 0$ $\underline{\hspace{1cm}}$

II. $\underline{\hspace{1cm}}y^2 - 14y + 48 = 0$

Directions (38-40):

Read the following paragraph carefully and answer the following questions.

There are three different event companies, A, B and C, who organize two different kinds of events, X and Y. The number of 'X' events organized by B are 75% of number of 'Y' events organized by B and C together, which is also 33 more than the number of 'X' events organized by A and C together. The total number of 'X' and 'Y' events organized by all three companies

are 87 and 129 respectively and the number of 'Y' events organized by A are 20 more than the 'X' events organized by C. The total number of events organized by B are 90.

Q38. Find the total number of events organized by A.

- (a) 51
- (b) 69
- (c) 57
- (d) 63
- (e) 66

Q39. Find the 'X' events organized by B are how much more or less than the 'Y' events organized by C.

- (a) 8
- (b) 10
- (c) 6
- (d) 4
- (e) 2

Q40. Find the respective ratio of 'X' to 'Y' events organized by C.

- (a) 9 : 10
- (b) 10 : 9
- (c) 9 : 7
- (d) 7 : 9
- (e) 7 : 10

Directions (41-45):

Study the following information carefully and answer the questions given below.

Seven persons sit around a circular table such that all of them face towards the centre. Each of them participates in competition and performed different dance styles i.e., Hip hop, Ballet, Jazz, Kathak, Kathakali, Odissi and Tap but not necessarily in the same order.

The one who performed Ballet sits third to the right of P. D sits adjacent to the one who performed Ballet. The number of persons sits between D and P is same as the number of persons sits between R and the one who performs Ballet. R sits adjacent to P. The one who performs Odissi sits two places away from R. G sits immediate right of the one who performed Odissi but not adjacent to R. M performed Kathakali and sits second to the right of Q. J sits adjacent to both the one who performed Hip hop and the other who performed Kathak. The one who performed Tap sits second to the right of the one who performed Hip hop.

Q41. Who among the following performed Jazz dance?

- (a) D
- (b) G
- (c) R

- (d) Q
- (e) P

Q42. How many persons sit between J and R when counts from the left of R?

- (a) Two
- (b) Three
- (c) Five
- (d) Four
- (e) Can't be determined

Q43. Which among the following combination is correct?

- (a) D - Ballet
- (b) G - Odissi
- (c) P - Tap
- (d) Q - Ballet
- (e) None is correct

Q44. Which among the following statement(s) is/are true?

- (a) D sits third to the left of P
- (b) P performed Kathak
- (c) G doesn't perform Tap
- (d) M and D sit adjacent to each other
- (e) All are true

Q45. Who among the following sits third to the left of the one who performed Kathak dance?

- (a) Q
- (b) D
- (c) M
- (d) G
- (e) None of these

Directions (46-48):

Answer the following question based on the information given below.

In a certain code language,

'Sun and planets satellites' is written as 'vxz opt edf sbi'

'Satellites sun hotness' is written as 'sbi vxz jhr'

'Coldness and farthest sun' is written as 'bqr opt uhr vxz'

'Farthest planets life' is written as 'uhr edf ove'

Q46. How is 'Farthest Life' written in same language?

- (a) opt edf
- (b) uhr ove
- (c) vxz edf

- (d) ove bqr
- (e) None of the above

Q47. Which of the following words are written as 'sbi bqr'?

- (a) Hotness satellites
- (b) Sun planets
- (c) Satellites coldness
- (d) Planets coldness
- (e) None of the above

Q48. How is 'and planets' written in same language?

- (a) opt edf
- (b) sbi uhr
- (c) vxz ove
- (d) ove opt
- (e) None of the above

Q49. Find the odd one out?

- (a) KEJG
- (b) HBGD
- (c) SMRO
- (d) OINK
- (e) WQUS

Directions (50-53):

Study the following information carefully and answer the questions given below.

A certain number of persons sit in a straight row face in the south direction but not more than 25. Only six persons sit between A and B. Y sits exactly between N and B. C sits third to the left of B. D sits seventh to the right of C. Number of persons sit between D and E is twice the number of persons sit between D and A. D sits sixth from the right end of the row. E sits at one of the extreme ends. K is an immediate neighbour of E. Only five persons sit between K and N. Four persons sit between C and Z. No one sits to the left of Z.

Q50. How many persons sit in the row?

- (a) 18
- (b) 24
- (c) 21
- (d) 17
- (e) None of these

Q51. What is the position of Y with respect to C?

- (a) 4th to the left
- (b) 4th to the right
- (c) 3rd to the left

- (d) 2nd to the right
- (e) None of these

Q52. How many persons sit between Y and D?

- (a) Three
- (b) One
- (c) Five
- (d) Four
- (e) None of these

Q53. What is the position of A with respect to Z?

- (a) 14th to the left
- (b) 15th to the right
- (c) 16th to the left
- (d) 20th to the right
- (e) None of these

Directions (54-58):

Study the information carefully and answer the questions given below.

Six persons were born in three different months i.e., **January, August and November** of the same year and on two different dates — **4th and 13th** of each given month. All of them like different colours.

K was born in the month having even number of days. D likes yellow and was born just after K. More than two persons were born between D and the one who likes pink. P was born just before the one who likes pink. G was born on even numbered date but not after the one who likes yellow. The number of persons born before G is same as the number of persons born after the one who likes black. The one who likes blue was born before J and born after the one who likes red. M doesn't like green.

Q54. Who among the following likes black colour?

- (a) P
- (b) J
- (c) M
- (d) G
- (e) None of these

Q55. How many persons are younger than M?

- (a) One
- (b) Two
- (c) More than three
- (d) Three
- (e) None

Q56. Which of the following combination is correct?

- (a) D – 13th August
- (b) G – Green
- (c) M – Pink
- (d) J – 4th June
- (e) None is correct

Q57. D likes which of the following colour?

- (a) Black
- (b) Yellow
- (c) Pink
- (d) Blue
- (e) None of these

Q58. Which of the following statement(s) is/are true?

- (a) J doesn't like green colour
- (b) D was born in November
- (c) Two persons were born before G
- (d) The one who likes green colour is younger to P
- (e) All are true

Q59. Which of the following is the **third letter** of the meaningful word formed from the **first, fourth, sixth and eighth letters** from the left end of the word “NUTRITION”?

If more than one word is formed, your answer will be **Z** and if no word can be formed, answer will be **X**.

- (a) O
- (b) X
- (c) R
- (d) Z
- (e) N

Q60. Which of the following expressions will be true if the given condition ‘ $Q > L \leq M = Y < T \leq S > K$ ’ is definitely true?

- (a) $T < K$
- (b) $L > Y$
- (c) $M < S$
- (d) $K \leq M$
- (e) None is true