

CHANDIGARH POLICE, CHANDIGARH
Post: Assistant Sub Inspector (Executive)

Question Booklet with Answer Key

Paper-I

Test Held on Sunday 27.8.2023

1. Developing Professional Relationships with colleagues in an office is:
A) Both Ethical and Moral requirement B) Neither Ethical nor Moral requirement
C) Not Ethical but a Moral requirement D) Ethical and not Moral requirement
2. Religiously following the Guidelines of the 'Officer' is:
A) ethically-correct, as also correct from a moral point of view
B) ethically-correct, but can be wrong from a moral point of view.
C) ethically-incorrect, as also wrong from a moral point of view
D) ethically-incorrect, but can be viewed as correct from a moral point of view
3. Ethics is said to be concerned with _____ to assess human conduct:
A) Objects B) Facts C) Visions D) Standards
4. The action of a lawyer to defend his client, when evidences of his murdering an innocent are writ large before the court, is:
A) ethical, and seems right from a moral point of view
B) ethical, and seems wrong from a moral point of view
C) unethical, and seems wrong from a moral point of view
D) unethical, and seems right from a moral point of view
5. The action of a policeman who let go a minor driving Car, is:
A) ethical, and seems right from a moral point of view
B) ethical, and seems wrong from a moral point of view
C) unethical, and right from a moral point of view
D) unethical, and wrong from a moral point of view
6. The Kigali Agreement of 2016 pertains to:
A) Cyber Security B) Environment C) Maritime Security D) Trade
7. The "Atal Tinkering Labs" are booster for research and innovation for:
A) Agriculturists B) IITs/University Students
C) School children D) Women entrepreneurs
8. Who has launched Online Exchange Forum – Manak Rath, a platform for students and mentors?
A) BIS B) CSIO C) UPSC D) UGC
9. The Theme of National Safety Day 2023 was:
A) Innovative Technologies for Safety Management
B) Nurture Young Minds- Develop Safety Culture
C) Our Aim- Zero Harm
D) Learn from Disaster and Prepare for a Safer Future
10. Recently a Rs 500 crore contract was signed between Ministry of Defence and ICOMM Tele Limited, which is situated in:
A) Bangalore B) Boston C) Hamburg D) Hyderabad
11. Which state was recently felicitated for achieving the highest wind capacity addition?
A) Gujarat B) Karnataka C) Rajasthan D) Tamil Nadu
12. Where did 2023 'Special Olympics - Summer Games' take place?
A) Belfast B) Belmont C) Berlin D) Budapest
13. Which Article of Indian constitution refers to the need of Uniform Civil Code?
A) Article 44 B) Article 45 C) Article 46 D) Article 47

14. The emblem of Shivaji Maharaj is manifested in the flag of:
A) Indian Navy B) Indian Coast Guard C) Indian Air Force D) Special Frontier Force
15. Which of the following statement(s) is/are most appropriate about Miyawaki plantation method?
(i) It's named after a Korean botanist
(ii) It involves planting two to four different types of indigenous trees within every square metre
A) Only (i) B) Only (ii)
C) Both (i) and (ii) D) Neither (i) nor (ii) true
16. In a certain code 'THRIVES' is written as 'SIUHRDU'. How is 'SOULFUL' written in that code?
A) VPTKKTE B) VPTKETK C) TPKKTE D) TNRKMVG

17. **Below are given four statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.**

Statements:

Some seeds are flowers. All flowers are trees. All trees are leaves. Some leaves are branches.

Conclusions:

I. Some branches are flowers II. Some leaves are seeds III. Some leaves are flowers

- A) Only I and II follow B) Only I and III follow
C) Only II and III follow D) All I, II and III follow

Directions: (Q.18 & 19): Seven people — P, Q, R, S, T, U and V live on seven different floors of a building but not necessarily in the same order. The lower most floor of the building is numbered one, the one above that is numbered two and so on till the top most floors is numbered seven. Each one of them likes a different sports – Football, Chess, Badminton, Tennis, Cricket, Volleyball and Hockey, but not necessarily in the same order.

U lives on floor number 4. Only two people live between U and the one who likes Chess. Only three people live between the one who likes chess and the one who likes Hockey. S live on one of the even numbered floors above the one who likes Hockey. Only one person lives between S and one who likes Tennis. V lives one of the odd numbered floors below the one who likes Tennis. Only one person lives between V and the one who likes Badminton. P lives either immediately above or immediately below the one who likes Badminton. T lives immediately above P. Only one person lives between Q and the one who likes Football. The one who likes Cricket lives on one of the floors above the one who likes Volleyball.

18. How many people live above the one who likes Tennis?
A) More than three B) Two C) None D) Three
19. Which of the following Sports does T like?
A) Volleyball B) Hockey C) Badminton D) Cricket
20. W is the sister-in-law of T, who is the daughter-in-law of V. P is the nephew of Q and cousin of X, who is the only child of his parents. R is the father-in-law of S and paternal grandfather of X. U is not the brother of P. T has no siblings. Q is the maternal uncle of U and only son of V. Q has only one sibling.
If A is the mother-in-law of Q, then how is A related to X?
A) Maternal grand-mother B) Maternal grand-father
C) Grand-son D) Grand-daughter

21. The relationship between different elements is shown in the statements followed by three conclusions. Find the conclusion which is definitely true.

Statements:

$$P < Q \geq R > S; \quad W = V \geq Q \leq T > O; \quad Y > X \geq T \leq U = Z$$

Conclusions:

I. $Z > R$

II. $P < Y$

III. $R = Z$

A) Only conclusion I is true

B) Only conclusion II is true

C) Only conclusion III is true

D) either conclusion I or III is true

22. Find the next term of the given series?

2, 2, 12, 38, 86, 162, ?

A) 264

B) 272

C) 276

D) Can't be determined

23. Study the information and answer the following questions:

In a certain code language

“Entire Money Board Perfect” is written as “Q7 N5 F6 C5”

“Sleeve Washing World Stories” is written as “X7 T6 T7 X5”

“Moving Partly Fall Objects” is written as “N6 P7 G5 Q6”

What is the code for the word ‘Rising Normal’ in the given code language?

A) S5 O6

B) O5 S6

C) S6 O6

D) O5 S5

24. During sunrise Arun got up and travels 12m towards North. Then he turns to the direction of his shadow and walks another 12m. Then he turns towards South and walks 7m to reach college R. He again turns to his right and walks 12m. How far college R is from the starting point (Shortest distance) and in which direction.

A) 43m South West

B) 24.51m North West

C) 13m North West

D) None of these

25. At a farm, there are hens, cows and bullocks and keepers to look after them. There are 69 heads less than legs; the number of cows is double than that of the bullocks; the number of cows and hens is the same and there is one keeper per ten birds and cattle. The total number of hens plus cows and bullocks and their keepers does not exceed 50. How many cows are there?

A) 10

B) 14

C) 12

D) 16

26. Thirty six vehicles are parked in a parking lot in a single row. After the 1st car, there is one e-rickshaw, after 2nd car there are two e-rickshaws, after 3rd car there are three e-rickshaws and so on. Work out the number of e-rickshaws in the second half of the row.

A) 10

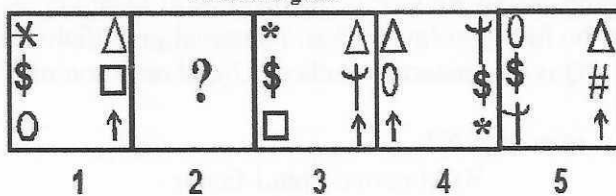
B) 12

C) 15

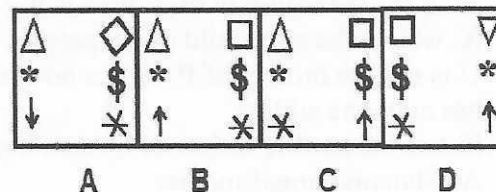
D) 17

27. One figure from the set of problem figures, marked as (1, 2, 3, 4, 5) is missing and this missing figure is represented by the sign ‘?’ Choose one figure from the set of answer figures marked as (A, B, C, D) which completes the series of problem figures, based on a certain rule and replaces the sign ‘?’.

Problem Figures



Answer Figures



Directions: (Q.28 & 29): Certain number of persons are sitting in a linear row. Some of them are facing north and some of them are facing south. Only a few people's information is known. No two known persons sit together. The number of known persons facing south is more than the number of known persons facing north. Not more than 20 persons sit in the row. Not more than two persons facing the same direction sit together. Only six persons sit between M and R, both are facing opposite directions. P sits third to the right of M. More than three persons sit between P and R. The number of persons sitting between P and R is one more than the number of persons sitting between M and Q. No known persons sit to the left of P. Two persons sit between Q and N who sits third from one of the extreme ends and does not face north. The persons sitting at both ends and second from both ends are facing the same direction. O sits exactly in the middle of the row and sits immediate left of his neighbours.

28. How many persons sit in the row?
A) 19 B) 18 C) 17 D) 20
29. Which of the following statement(s) is/are true?
A) M is facing north B) P sits at one of the extreme ends
C) Four persons sit between M and O D) None of the above
30. A cube is cut into two equal parts along a plane parallel to one of its faces. One piece is then coloured red on the two larger faces and green on the remaining, while the other is coloured green on two smaller adjacent faces and red on the remaining. Each is then cut into 32 cubes of the same size. The 64 cubes are then mixed up. What is the number of cubes with at least one green face?
A) 46 B) 38 C) 36 D) 28
31. Express $0.29\overline{56}$ in the form of $\frac{p}{q}$:
A) $\frac{2956}{9900}$ B) $\frac{2956}{10000}$ C) $\frac{2927}{9900}$ D) $\frac{2927}{10000}$
32. ₹ 1200 is divided among X, Y, and Z such that ₹ 30 more than $\frac{3}{5}$ th of X's share, ₹ 10 more than $\frac{2}{5}$ th of Y's share and ₹ 20 more than $\frac{5}{7}$ th of Z's share, all are equal. What is Z's share?
A) ₹ 299.698 B) ₹ 560.175 C) ₹ 340.116 D) ₹ 134.07
33. In a three digit number, the digit in the units place is four times the digit in the hundreds place. If the digit in the units place and the tens place are interchanged, the new number so formed, is 18 more than the original number. If the digit in the hundreds place is one-third of the digit in the tens place, what is 25% of the original number?
A) 67 B) 84 C) 137 D) Couldn't be determined
34. 8 men can complete a work in 12 days, 4 women can complete it in 48 days and 10 children can complete the same work in 24 days. In how many days can 10 men, 4 women and 10 children complete the same work?
A) 10 days B) 5 days C) 7 days D) 6 days
35. A, B and C get ₹ 5400 for doing a work in 36 days. A and C get ₹ 1880 for doing the same work in 20 days while B and C get ₹ 3040 for doing the same work in 40 days. Find the amount received by C per day.
A) ₹ 50 B) ₹ 25 C) ₹ 30 D) ₹ 20

36. The average speed of a train is 20% less on the return journey than on the onward journey. The train halts for half an hour at the destination station before starting on the return journey. If the total time taken for the to and fro journey is 23 hours, covering a distance of 1000 km, the speed of the train on the return journey is :
- A) 40 km/hr B) 50 km/hr C) 55 km/hr D) 60 km/hr
37. The expenses on wheat, meat and vegetables of a family are in the ratio 12 : 17 : 3. The prices of these articles are increased by 20%, 30%, and 50% respectively. The total expenses of the family on these articles are increased by
- A) $23\frac{1}{3}\%$ B) $28\frac{1}{8}\%$ C) $27\frac{1}{8}\%$ D) $25\frac{1}{7}\%$
38. Ravi, a trader, sells an item to a retailer at 20% discount, but charges 10% on the discounted price, for delivery and packaging. The retailer sells it for ₹ 2046 more, thereby earning a profit of 25%. At what price had the trader marked the item?
- A) ₹ 9400 B) ₹ 9000 C) ₹ 8000 D) ₹ 9300
39. A man borrows ₹ 4000 at 15% compound rate of interest. At the end of each year he pays back ₹ 1500. How much amount should he pay at the end of the third year to clear all his dues:
- A) ₹ 874.75 B) ₹ 824.50 C) ₹ 924.25 D) ₹ 974.25
40. Ram invested certain sum in three different schemes P, Q and R with the rates of interest 10% per annum, 12% per annum and 15% per annum, respectively. If the total interest accrued in 1 year was ₹ 3200 and the amount invested in scheme R was 150% of the amount invested in scheme P and 240% of the amount invested in scheme Q, what was the amount invested in scheme Q?
- A) ₹ 8000 B) ₹ 9000 C) ₹ 5000 D) ₹ 3050
41. When someone receives a letter that appears to be personally addressed with customized paragraphs, yet you know it was not generated individually, it probably came from a word processor with:
- A) mail merge feature.
 B) database capabilities.
 C) merge and mail options.
 D) the capability to combine word processing, spreadsheets, and databases.
42. A realistic term that captures the idea that the information that comes out of a computer system is only as good, accurate, and valid as the data that goes into it is known as:
- A) WYSIWYG. B) GIGI. C) GIGO. D) virtual reality.
43. What is the process that condenses files to be stored in less space and therefore, sent faster over the Internet?
- A) Data condensation B) Data compression C) Digitizing D) Defragmentation
44. In the context of multimedia, MIDI is an acronym that stands for:
- A) Musical Instruction and Digitized Instruments. B) Musical Instrument Digital Interface.
 C) Music and Instruments Digitized Instantly. D) Musical Interface Digitally Integrated.
45. Which of the following statement(s) is/are true with regard to computers?
 P: The process of copying files to a CD is known as Copying.
 Q: Tim Berners-Lee was the developer of HTML and the Web.
 Choose the correct answer from the following:
- A) P only B) Q only C) Both P and Q D) Neither P nor Q

46. Which of the following statement(s) is/are true with regard to websites?
 P: A blog is a website that consists of posts in reverse chronological order.
 Q: A wiki is a website that is designed to allow people to collaborate easily.
 Choose the correct answer from the following:
 A) P only B) Q only C) P and Q D) Neither P nor Q
47. In the context of computers, a Trojan Horse refers to
 A) the using of a large financial system to squirrel away small amounts of money.
 B) changing data before or as it enters the system.
 C) placing illegal instructions in the middle of a legitimate program.
 D) using another person's identification code.
48. In Operating Systems, the operation of defragmenting a hard disk:
 A) uses compaction to combat internal fragmentation
 B) uses compaction to combat external fragmentation
 C) uses compression to combat internal fragmentation
 D) uses compression to combat external fragmentation
49. Consider the following MS-EXCEL worksheet:

	A	B	C	D
1	Roll #	Exam 1	Exam 2	Total
2	101	60	80	140
3	102	50	70	120
4	103	30	40	70
5	104	32	30	62
6	105	85	85	170
7	106	80	65	145
8	107	96	72	168
9	108	52	25	57
10	109	78	90	168
11	110	40	25	65

The formula = SUMIF(B2:B11, "<50", D2:D11) in cell D13 will result in:
 A) 120 B) 197 C) 90 D) 244

50. ChatGPT is an AI chatbot developed by OpenAI and launched in November 2022. What does ChatGPT stand for?
 A) Chat Global Pre-trained Transmission Technology
 B) Chat General Pre-trained Technology
 C) Chat Generalized Pre-trained Technique
 D) Chat Generative Pre-Trained Transformer

Chandigarh Police
Post: ASI (Executive)
Answer Key : 27-08-2023 (A Series)

Q. No.	Ans	Q. No.	Ans
1	D	26	C
2	B	27	B
3	D	28	A
4	B	29	C
5	D	30	B
6	B	31	C
7	C	32	A
8	A	33	A
9	C	34	D
10	D	35	D
11	C	36	A
12	C	37	B
13	A	38	D
14	A	39	A
15	B	40	C
16	A	41	A
17	C	42	C
18	D	43	B
19	C	44	B
20	A	45	B
21	D	46	C
22	B	47	C
23	C	48	B
24	C	49	B
25	C	50	D