PREVIOUS YEAR PAPER

MP Police Constable 2017 — 28 September 2017, Shift 1

MP Police Constable · 28 September 2017 · 09:00 AM

72 of the paper's 100 questions · marks per question not printed on the question booklet

Left out of the original paper: 28 (any question that needs a figure, a symbol or formatting we cannot show, or whose text did not read back cleanly from the booklet).

Questions from the Professional Examination Board, Madhya Pradesh (now the MP Employees Selection Board)'s paper of 28 September 2017, 09:00 AM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/mp-police-constable/previous-year-papers/mp-police-constable-2017-28-sep-shift-1/

General Knowledge and Logical Knowledge

1. _____ is the first woman DGP (Director General of Police) of Gujarat.

(a) Meera Borwankar
(b) Aparajitha Rai
(c) Kiran Bedi
(d) Geeta Johri

Answer: (d)

2. If the seventh day of a month is three days earlier t' Friday, What day will it be on the nineteenth day of the month?

(a) Tuesday
(b) Saturday
(c) Friday
(d) Sunday

Answer: (d)

4. Which of the following Indian cricketers was named as the Wisden Leading Cricketer in the World for 2016?

(a) Ajinkya Rahane
(b) Ravichandran Ashwin
(c) Cheteshwar Pujara
(d) Virat Kohli

Answer: (d)

5. Which of the following state governments has launched an app named 'e-nagarpalika' to provide various municipal services online?

(a) Uttar Pradesh
(b) Gujarat
(c) Delhi
(d) Madhya Pradesh

Answer: (d)

6. If FLOPPY is coded GKPOQX, then how is COMPUTER coded?

(a) DNNOVSFQ
(b) DNMOVSFQ
(c) DNNOVTFQ
(d) DMNOVSFQ

Answer: (a)

7. If GUEST is coded TFVHG, then how is PARROT coded?

(a) KZIIKG
(b) KZIILG
(c) KYIIKG
(d) KYIILG

Answer: (b)

8. If one writes 'Forty three thousand five hundred and seventy eight' in a reverse form which number would be in the hundreds place?

(a) Seven
(b) Five
(c) Eight
(d) Three

Answer: (b)

9. Babu ranks eighteenth in a class of 49 students. W t is his rank from the last?

(a) 32
(b) 31
(c) 27
(d) 30

Answer: (a)

10. If THURSDAY is coded RUHTYADS, then how is DISTANCE coded?

(a) TSIDANCE
(b) TSIDECNA
(c) ECNATSID
(d) DISTECNA

Answer: (b)

11. Select the option that is true about the Statements and Conclusions given:

Statements:

All sweaters are coats

Some shirts are sweaters

Conclusions:

I. Some shirts are coats

II. All shirts are coats

(a) neither conclusion I nor conclusion II follows
(b) both conclusion I and II follows
(c) only conclusion II follows
(d) only conclusion I follows

Answer: (d)

12. Select the option that is true about the Statements and Conclusions given:

Statements:

All games are movies

All movies are bags

Conclusions:

I. All games are bags

II. All bags are games

(a) neither conclusion I nor conclusion II follows
(b) both conclusion I and II follows
(c) only conclusion II follows
(d) only conclusion I follows

Answer: (d)

13. Select the option that is true about the Statements and Conclusions given:

Statements:

All coins are balls

All balls are bats

Conclusions:

I. All bats are coins

II. All balls are coins

(a) neither conclusion I nor conclusion II follows
(b) both conclusion I and II follows
(c) only conclusion II follows
(d) only conclusion I follows

Answer: (a)

14. The 15th Pravasi Bharatiya Divas 2017 was held in which city in India?

(a) Mumbai
(b) Bangalore
(c) Pune
(d) Delhi

Answer: (b)

15. A, B, C, D and E are standing in a row. On one end of the row is D and on the other end is C. B is to the right of E. A is to the left of C. E is in-between D and B. Who is in the center of the row? / A, B, C, D

(a) D
(b) A
(c) E
(d) B

Answer: (d)

16. If HEATER is written as KBDQHO, how will you encode COOLER?

(a) FLRIHO
(b) FRLIHO
(c) ALRIHV
(d) FLIRHO

Answer: (a)

20. Sahitya Akademi was established as an autonomous body in _____ by the Government of India.

(a) 1954
(b) 1963
(c) 1948
(d) 1987

Answer: (a)

21. Find the odd one out:

(a) Mango
(b) Pomegranate
(c) Papaya
(d) Guava

Answer: (a)

22. Who among the following is an Indian Archaeologist who is associated with the discovery of the Bhimbetka Caves?

(a) S. R. Rao
(b) Vishnu Shridhar Wakankar
(c) D. J. Joshi
(d) D. K. Chakrabarti

Answer: (b)

23. Who among the following from Madhya Pradesh s conferred with Padma Shri in the field of Medicine in 2017?

(a) Mohammed Waheed
(b) Bhak Yadav
(c) Keshavrao Datey
(d) Syed Zillur Rahman

Answer: (b)

24. Who among the following was one of the Architects who designed New Delhi and many of its famous buildings?

(a) Piloo Mody
(b) Robert Adam
(c) Ram Singh
(d) Edward Lutyens

Answer: (d)

25. Who among the following was honoured with the Rajiv Gandhi Khel Ratna Award in 2017?

(a) Heera Nand Kataria
(b) Roshan Lal
(c) Vishwanath Anand
(d) Devendra Jhajharia

Answer: (d)

27. Madhya Pradesh is the second-largest State in the country, with an area of about _____square kilometers.

(a) 3,08,252
(b) 4,50,252
(c) 2,10,252
(d) 6,30,252

Answer: (a)

30. The Madhya Pradesh Hindi Granth Academy was established in _____.

(a) 1969
(b) 1947
(c) 1982
(d) 1956

Answer: (a)

31. Mahatma Gandhi started the Dandi March from _____.

(a) Sevagram Ashram
(b) Porbandar
(c) San niketan
(d) Sabarma Ashram

Answer: (d)

33. Ashrafi Mahal and Nilkanth Mahal is located at _ ____.

(a) Patalkot
(b) Chanderi
(c) Mandu
(d) Khajuraho

Answer: (c)

34. Atal Bihari Vajpayee Hindi Vishwavidyalaya was established in the year _____.

(a) 2008
(b) 2011
(c) 2015
(d) 2005

Answer: (b)

35. Complete the series choosing the missing number:

1, 5, 14, 30, 55, _____

(a) 93
(b) 90
(c) 92
(d) 91

Answer: (d)

37. Complete the series choosing the missing number:

17, 19, 23, 29, _____

(a) 37
(b) 34
(c) 36
(d) 35

Answer: (a)

38. Which of the following districts will become India's first carbon neutral district?

(a) Madurai
(b) Bhubaneswar
(c) Majuli
(d) Bhopal

Answer: (c)

39. Select the option that is true about the Statements and Conclusions given:

Statements:

All advertisements are serials

All serials are movies

Conclusions:

I. All movies are serials

II. All advertisements are movies

(a) neither conclusion I nor conclusion II follows
(b) both conclusion I and II follows
(c) only conclusion II follows
(d) only conclusion I follows

Answer: (c)

Mental Ability and Mental Aptitude

5. When a sum of money is distributed among Sudha, Sakshi, Shikha, and Samira in a ratio of 2 : 7 : 13 : 10, Sakshi gets Rs. 49, then how much money will Samira get?

(a) Rs. 77
(b) Rs. 14
(c) Rs. 91
(d) Rs. 70

Answer: (d)

6. Ten men can do a piece of work in 14 days and 10 women take 21 days to complete the same work. How many days will 5 men and 10 women take to complete the work?

(a) 14 days
(b) 10 days
(c) 8 days
(d) 12 days

Answer: (d)

8. A train travels 337.5 kms in 4.5 hrs. What is the speed of the train?

(a) 70 km/hr
(b) 85 km/hr
(c) 75 km/hr
(d) 80 km/hr

Answer: (c)

12. 5 monkeys can eat 5 bananas in 5 minutes. In what time will 20 monkeys eat 5 dozen bananas? 5

(a) 45 minutes
(b) 15 minutes
(c) 60 minutes
(d) 20 minutes

Answer: (b)

13. Arun can complete a piece of work in 3 days. Bis[illegible] can complete the same work in 6 days. In how many days will both of them working together [illegible]able to complete the work?

(a) 1 day
(b) 2 days
(c) 4 days
(d) 3 days

Answer: (b)

14. The sum of the present ages of a father and a son is 70 years. If after 10 years, the ratio of their ages will be 2 : 1, then what is the present age of the son?

(a) 15 years
(b) 30 years
(c) 25 years
(d) 20 years

Answer: (d)

15. The average marks scored by 100 candidates in an exam is 50. The average marks scored by passed candidates is 65 and the average marks scored by the failed candidates is 35. Find the number of students who failed in the exam.

(a) 50
(b) 75
(c) 55
(d) 35

Answer: (a)

16. The ages of Bhoomika and Spoorthy are in the ratio of 5 : 2. If the difference of their ages is 36 years, then what was the ratio of their ages 13 years ago?

(a) 40 : 41
(b) 48 : 12
(c) None of the above
(d) 47 : 11

Answer: (d)

17. A farmer's monthly income is Rs.3000. In that he spends 60% for house expenditure. The remaining amount is:

(a) Rs. 800
(b) Rs. 1200
(c) Rs. 1800
(d) Rs. 1000

Answer: (b)

18. In a class of 38 girls, 3 were absent and 2[illegible]ne remaining failed to do their homework. How many did their homework?

(a) 28
(b) 20
(c) 7
(d) 35

Answer: (a)

19. In a lottery priced at Rs. 5, only one lucky winner would receive Rs.1,00,000. At least how many such lottery tickets should be sold, if the sponsor wants to earn a profit of 20% on sales from the lottery?

(a) 25,000
(b) 12,000
(c) 12,500
(d) 24,000

Answer: (d)

20. In a group of players, 10 play kabaddi while 20 play only kho-kho, and 5 players play both the sports. How many players are there in total?

(a) 25
(b) 20
(c) 35
(d) 30

Answer: (a)

22. Find the value:

(33 + (((10 / 5) / 5) * 20) – 40)

(a) 100
(b) 0
(c) 1
(d) 35

Answer: (c)

23. Find the average.

12, 28, 44, 32, 66 & 82

(a) 40
(b) 44
(c) 48
(d) 50

Answer: (b)

24. Two mixtures that contain water and wine are mixed in the ratio of 4 : 5. If the first mixture is taken to be 20 litres, then what is the amount of wine in the second mixture that contains water and wine in the ratio of 2 : 3?

(a) 25 litres
(b) 17 litres
(c) 15 litres
(d) 10 litres

Answer: (c)

25. Length of a diagonal is 10 cm and the length of the perpendicular drawn to the diagonal from the opposite vertices is 5 cm and 4 cm respectively. What is the area of quadrilateral?

(a) 35 sq.cm
(b) 40 sq.cm
(c) 55 sq.cm
(d) 45 sq.cm

Answer: (d)

26. The present age of a brother and sister are in the ratio of 4 : 3. After 6 years, their ages will be in the ratio of 9 : 7. What was the ratio of their ages 10 years ago?

(a) 19 : 13
(b) 4 : 7
(c) 9 : 4
(d) 1 : 3

Answer: (a)

28. The sum of the present ages of a father and his son is 60 years. Six years ago, father's age was five times the age of the son. After 6 years, son's age will be:

(a) 15 years
(b) 22 years
(c) 18 years
(d) 20 years

Answer: (d)

29. If the ages of Nelson and Michael is in the ratio 3 : 5, and after 9 years, the ratio of their ages become 3 : 4, then, the present age of Michael is:

(a) 15 years
(b) 12 years
(c) 18 years
(d) 20 years

Answer: (a)

30. Three persons are walking from A to B their speeds are in the ratio of 4 : 5 : 3. The time ratio to reach B will be:

(a) 4 : 5 : 3
(b) 15 : 12 : 20
(c) 15 : 20 : 12
(d) 3 : 5 : 4

Answer: (b)

Science and Simple Arithmetic

5. Rabi crops are grown during the months of:

(a) August to October
(b) December to June
(c) June to September
(d) October to March

Answer: (d)

6. A floor, 11m long and 8 m broad, is to be paved with square tiles of side 0.5 m. The number of tiles that would be required will be:

(a) 352
(b) 452
(c) 200
(d) 400

Answer: (a)

8. Ram bought a fridge for Rs. 9500 and sold it forcibly for Rs. 8250. His loss percentage will be:

(a) 13.1%
(b) 15%
(c) 14.2%
(d) 12%

Answer: (a)

9. Keshav's income was Rs.60000 per month. A pie chart was made to express his expenses and savings. He saves Rs.15000 every month. What angle will represent his expenses in the pie chart?

(a) 180°
(b) 270°
(c) 120°
(d) 90°

Answer: (b)

10. Out of 800 students, the maximum of them are arranged for drill such that the number of rows is equal to the number of columns. Find the number of rows, if 16 students had been left out after the arrangement.

(a) 32
(b) 35
(c) 30
(d) 28

Answer: (d)

12. ABCD is a quadrilateral in which two of its angles are 89° and 113° and the other two angles are equal. Find the equal angles.

(a) 40°
(b) 50°
(c) 79°
(d) 31°

Answer: (c)

13. If 35 men can build a wall in 50 days, how many more men are required to build a wall double the size in 70 days?

(a) 15 men
(b) 13 men
(c) 17 men
(d) 12 men

Answer: (a)

14. Calculate the compound interest for the second year on Rs. 5000 invested for 3 years at 10 % per annum.

(a) Rs. 700 / 700
(b) Rs. 550 / 550
(c) Rs. 660 / 660
(d) Rs. 750 / 750

Answer: (b)

15. If the length, breadth and height of a room are 6 m, 5 m and 3 m, respectively, what will be the cost of white washing the walls of the room and the ceiling at the rate of Rs.6 per square meter?

(a) Rs.450 / 450
(b) Rs.576 / 576
(c) Rs.500 / 500
(d) Rs.555 / 555

Answer: (d)

16. What is the smallest number that must be multiplied to 37044 to make it a perfect cube?

(a) 3
(b) 5
(c) 4
(d) 2

Answer: (d)

17. Which of the following is NOT a natural resource?

(a) Water
(b) Air
(c) Soil
(d) Electricity

Answer: (d)

18. Which one of the following is the least dense planet of the solar system?

(a) Jupiter
(b) Mercury
(c) Saturn
(d) Earth

Answer: (c)

19. Which subatomic particles were considered to be within the nucleus according to Rutherford's model of an atom?

(a) Neutrons only
(b) Protons and neutrons
(c) Protons only
(d) Alpha particles

Answer: (c)

20. A charged balloon gets attached to a wall due to:

(a) Muscular force
(b) Gravitational force
(c) Magnetic force
(d) Electrostatic force

Answer: (d)

21. If you stand 1 m in front of a plane mirror, how far away would you see yourself in the mirror?

(a) 1 m
(b) 2 m
(c) 4 m
(d) 3 m

Answer: (a)

22. Aquatic animals survive because of the presence of atmospheric gases in water. This is possible due to which one of the following properties of gases?

(a) Diffusion
(b) Surface tension
(c) Viscosity
(d) Fluidity

Answer: (a)

23. Female Anopheles mosquito is a carrier of a pathogen that causes:

(a) Malaria
(b) Yellow fever
(c) Filariasis
(d) Dengue

Answer: (a)

25. Khadins, Bundhis, Ahars and Kattas are ancient structures that are examples for:

(a) Grain storage
(b) Water harvesting
(c) Soil conservation
(d) Wood storage

Answer: (b)

26. How does the food travel in the correct sequence of parts in the human alimentary canal?
    (a) Mouth→Stomach→Oesophagus→Small intestine→Large intestine
    (b) Mouth→Stomach→Small intestine→Oesophagus→Large intestine
    (c) Mouth→Oesophagus→Stomach→Small intestine→Large intestine
    (d) Mouth→Oesophagus→Stomach→Large intestine→Small intestine
    Answer: (c)

27. The resistance of a wire depends on its_____.
    (a) material only
    (b) area of cross-section only
    (c) length, material and area of cross-section
    (d) length only
    Answer: (c)

29. The cells of the epithelial tissue have no intercellular space because they:
    (a) Tend to peel off
    (b) Prevent loss of water
    (c) Have protective function
    (d) Have secretory function
    Answer: (c)

30. Identify the largest cell in the human body?
    (a) Liver cell
    (b) RBC
    (c) Nerve cell
    (d) Egg cell
    Answer: (d)

Answer key

Answer key from the Professional Examination Board, Madhya Pradesh (now the MP Employees Selection Board)'s official answer key for this sitting. "—" means the key gave none.

General Knowledge and Logical Knowledge

1	**(d)**	2	**(d)**	4	**(d)**	5	**(d)**	6	**(a)**	7	**(b)**
8	**(b)**	9	**(a)**	10	**(b)**	11	**(d)**	12	**(d)**	13	**(a)**
14	**(b)**	15	**(d)**	16	**(a)**	20	**(a)**	21	**(a)**	22	**(b)**
23	**(b)**	24	**(d)**	25	**(d)**	27	**(a)**	30	**(a)**	31	**(d)**
33	**(c)**	34	**(b)**	35	**(d)**	37	**(a)**	38	**(c)**	39	**(c)**

Mental Ability and Mental Aptitude

5	**(d)**	6	**(d)**	8	**(c)**	12	**(b)**	13	**(b)**	14	**(d)**
15	**(a)**	16	**(d)**	17	**(b)**	18	**(a)**	19	**(d)**	20	**(a)**
22	**(c)**	23	**(b)**	24	**(c)**	25	**(d)**	26	**(a)**	28	**(d)**
29	**(a)**	30	**(b)**								

Science and Simple Arithmetic

5	**(d)**	6	**(a)**	8	**(a)**	9	**(b)**	10	**(d)**	12	**(c)**
13	**(a)**	14	**(b)**	15	**(d)**	16	**(d)**	17	**(d)**	18	**(c)**
19	**(c)**	20	**(d)**	21	**(a)**	22	**(a)**	23	**(a)**	25	**(b)**
26	**(c)**	27	**(c)**	29	**(c)**	30	**(d)**				