PREVIOUS YEAR PAPER

MP Police Constable 2017 — 31 August 2017, Shift 2

MP Police Constable · 31 August 2017 · 03:00 PM

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

Left out of the original paper: 33 (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 31 August 2017, 03:00 PM. 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-2017-31-aug-shift-2/

General Knowledge and Logical Knowledge

1. If MONKEY is coded XDJMNL, then how will TIGER be coded?
   (a) SHFDQ
   (b) QDHFS
   (c) QDFHS
   (d) SDFHS
   Answer: (c)

2. The term ‘Grand Slam’ is associated with
   (a) Football
   (b) Boxing
   (c) Kho-Kho
   (d) Tennis
   Answer: (d)

4. How many different 5 digit numbers can be formed from the digits 9,0,4,1,6 ?
   (a) 120
   (b) 90
   (c) 84
   (d) 96
   Answer: (d)

5. Which team won the FIH Junior Hockey World Cup – 2016?
   (a) Pakistan
   (b) India
   (c) Belgium
   (d) Australia
   Answer: (b)

9. Who is the first Indian president to visit Nepal in the last 18 years?
   (a) Prathibha Patil
   (b) Pranab Mukherjee
   (c) Ram Nath Kovind
   (d) APJ Abdul Kalam
   Answer: (b)

10. Who is the first Vice-Chairperson of NITI Aayog?
   (a) Arun Shourie
   (b) Raghuram Rajan
   (c) Arvind Panagariya
   (d) Arvind Subramanian
   Answer: (c)

11. Who is the Chief Secretary of Madhya Pradesh?
   (a) Rishi Kumar Shukla
   (b) A P Shrivastava
   (c) Anthony JC DeSa
   (d) Basant Pratap Singh
   Answer: (d)

12. Which was the first talkie movie made in India?
   (a) Alam Ara
   (b) Kisan Kanya
   (c) Rala Harishchandra
   (d) Mother India
   Answer: (a)

13. Which district of Madhya Pradesh is famous for mustard and honey production?
   (a) Morena
   (b) Dhar
   (c) Shahdol
   (d) Betul
   Answer: (a)

15. Armed Forces Flag Day is observed on
   (a) December 4
   (b) October 8
   (c) September 15
   (d) December 7
   Answer: (d)

16. National Safety Day is observed on
    (a) March 4
    (b) November 10
    (c) August 15
    (d) July 6
    Answer: (a)

17. The Chief Justice of the High Court is appointed by
    (a) Chief Justice of the Supreme Court
    (b) The Governor
    (c) The Prime minister
    (d) The President
    Answer: (d)

18. Where was the first steel plant set-up in India?
    (a) Bokaro
    (b) Jamshedpur
    (c) Bhadravati
    (d) Rourkela
    Answer: (b)

19. The Election Commission of India was established the year _____.
    (a) 1961
    (b) 1950
    (c) 1947
    (d) 1954
    Answer: (b)

20. Who amongst the following is the CEO of NITI Aayog?
    (a) U K Sinha
    (b) Amitabh Kant
    (c) Aravind Panagariya
    (d) Sandhushree Singh
    Answer: (b)

21. Complete the series choosing the missing letter/s:
    (a) J
    (b) K
    (c) L
    (d) M
    Answer: (b)

22. Vikram Award is given to
    (a) Young players
    (b) Senior coaches
    (c) Senior players
    (d) Support Staff

    Answer: (c)

23. The first state in India to enact a law on Public Services Delivery Guarantee is _____.
    (a) Sikkim
    (b) Andhra Pradesh
    (c) Odisha
    (d) Madhya Pradesh

    Answer: (d)

24. The first deputy Prime Minister of India was_____.
    (a) Sardar Vallabhbhai Patel
    (b) L.K. Advani
    (c) Charan Singh
    (d) Morarji Desai

    Answer: (a)

25. Sanctuary that is located in Sheopur is___
    (a) Son Sanctuary
    (b) Kuno Sanctuary
    (c) Bandhavgarh Sanctuary
    (d) Ghatigaon Sanctuary

    Answer: (b)

26. The newly instituted Innovative Council of the Indian Railways named as “Kayakalp ‘ is headed by
    (a) Ratan Tata
    (b) Naryana Murthy
    (c) O.P Bhatt
    (d) K V Kamath

    Answer: (a)

27. Complete the series choosing the missing number:

1, 8, 27, 64, _____
    (a) 120
    (b) 125
    (c) 130
    (d) 135

    Answer: (b)

28. Complete the series choosing the missing number:

3, 8, 15, 24, _____

(a) 40
(b) 30
(c) 42
(d) 35

Answer: (d)

29. Complete the series choosing the missing number:

2, 8, 14, _____, 34

(a) 16
(b) 24
(c) 18
(d) 22

Answer: (b)

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

Statements:

All radios are paragraphs

No paragraph is a hamlet

Conclusions:

I. Some radios are hamlets

II. Some hamlets are paragraphs

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

Answer: (c)

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

Statements:

Some crayons are pens

Some pens are jeeps

Conclusions:

I. All crayons are jeeps

II. Some crayons are jeeps

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

Answer: (c)

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

Statements:

All blooms are traps

Some traps are hammocks

Conclusions:

I. Some blooms are hammocks

II. Some hammocks are traps

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

Answer: (a)

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

Statements:

All cars are engines

All engines are trams

Conclusions:

I. All cars are trams

II. All trams are engines

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

Answer: (b)

34. Find the odd one out:

4, 6, 8, 9, 10, 11, 12

(a) 11
(b) 6
(c) 10
(d) 8

Answer: (a)

36. If ACFJ is coded BDGK, then how is IKNR coded?

(a) JLOS
(b) MORE
(c) JLPS
(d) RVOM

Answer: (a)

40. Choose the number which is different from others in the group:

17, 27, 29, 37

(a) 27
(b) 37
(c) 17
(d) 29

Answer: (a)

Mental Ability and Mental Aptitude

7. Chander has spent Rs. 348 on travel from City A to City B by bus. If he had Rs. 754 with him, how much money will he have left if he returns from City B to City A in the same way, and does not spend on anything?

(a) Rs. 36
(b) Rs. 116
(c) Rs. 58
(d) Rs. 74

Answer: (c)

8. Ages of two persons differ by 16 years. If 6 year ago, the elder one be 3 times as old the younger one, find their present age

(a) 18, 34
(b) 12, 28
(c) 16, 32
(d) 14, 30

Answer: (d)

9. Pipes A and B can fill a tank in 20 hrs and 15 hrs respectively. Pipe C can empty the tank in 30 hours. If all the three are open at the same time, then what is the time taken to fill the tank?

(a) 10 hrs
(b) 20 hrs
(c) 15 hrs
(d) 12 hrs

Answer: (d)

10. In a party, where there were 200 guests, 60 % had vegetarian food, and 50 % had non vegetarian, 30 % of guest had both vegetarian and non-vegetarian food. How many people did not dine at the party?

(a) 40
(b) 45
(c) 30
(d) 35

Answer: (a)

11. The greatest 4 - digit number divisible by 2, 3, 4, 5, and 6 is:

(a) 9,999
(b) 9,810
(c) 9,960
(d) 9,870

Answer: (c)

12. The average age of a class of 12 students is 24. What is the average age of class when two students of age 22 and 23 leave the class?

(a) 22.05 yrs
(b) 24.3 yrs
(c) 27.5 yrs
(d) 26 yrs

Answer: (b)

13. The average marks of each section with 40, 45, 40 students are 70, 65, 80, respectively. What will be the average marks of all the sections combined?

(a) 75.4
(b) 73.5
(c) 70
(d) 71.4

Answer: (d)

14. If 15 % of a number is one-fourth of 60 % of 1225, then the number is:

(a) 1525
(b) 1225
(c) 1275
(d) 1200

Answer: (b)

15. A and B can do a piece of work in 30 days, while and C can do the same in 24 days; and C and A in 20 days. They all work together for 12 ...s ur...3 and C leave. How many more days will it take for A to finish the work?

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

Answer: (c)

16. Karnataka Express leaves Bangalore for Delhi at 06:00 p.m. and travels at a speed of 80 kmph. Rajdhani express leaves Delhi for Bangalore at the same time and travels at a speed of 120 kmph. The total distance between Delhi to Bangalore is 3,000 km. How much time will it take before both the trains meet each other?

(a) 10 hrs
(b) 14 hrs
(c) 15 hrs
(d) 12 hrs

Answer: (c)

17. If one number is 80% of the other, and the sum of their squares is 164. Find the numbers.

(a) 16, 20

(b) 8,10

(c) 4, 5

(d) None of the above

Answer: (b)

18. I spent 3/5th of my savings and still have Rs. 2,000 left. What were my savings?

(a) 4,000

(b) 5,000

(c) 3,000

(d) 6,000

Answer: (b)

19. Rohit bought a tape recorder for Rs. 1500 and sold it for Rs. 1800. Find the profit percentage of the tape recorder.

(a) 10%

(b) 20%

(c) 15%

(d) None of the above

Answer: (b)

21. The ratio between the present ages of P and Q is . If Q is 4 years old than P, what will be the ratio of the ages of P and Q after 4 years.

(a) 7: 9

(b) 5: 8

(c) 3: 8

(d) 7: 8

Answer: (d)

22. A wire used to make a square is made into a circle. If the area of the square is 121 sq cm, then what is the area of the circle?

(a) 300 sq cm

(b) 384.25 sq cm

(c) 154 sq cm

(d) 121 sq cm

Answer: (c)

23. A team has won 10 matches and lost 4. If these matches represent 70% of the matches to be played, how many more matches should the team has to win, so as to have a record of 75% wins.

(a) 3

(b) 5

(c) 4

(d) 6

Answer: (b)

24. What is the sum of the greatest 3 digit and smallest 4 digit number?

(a) 10998
(b) 1999
(c) 1
(d) 10999

Answer: (b)

26. Find the average.

64, 67, 70, 73, 77 & 81

(a) 72
(b) 68
(c) 78
(d) 75

Answer: (a)

28. A train covers a distance of 10 km in 8 min. If its speed is increased by 5 kmph, then the time taken to cover the same distance will be:

(a) 6.5 min
(b) 6 min
(c) 7.5 min
(d) 7 min

Answer: (c)

29. X is elder to Y by 20 years. If 5 years b[illegible] ag[illegible] X was twice the age of Y, then find the present age of Y.

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

Answer: (c)

30. If a : b : : 3 : 7, then what is (5a+6b) : (a-2b)?

(a) -11 : 10
(b) -57 : 11
(c) 11 : 10
(d) 57 : 11

Answer: (b)

Science and Simple Arithmetic

7. 'Litmus', a natural dye is obtained from_____.

(a) Beetroot
(b) Blue berries
(c) Lichen
(d) China rose

Answer: (c)

8. On what sum will the compound interest at 10% per annum for 2 years compounded annually be Rs. 756?

(a) Rs. 3600
(b) Rs. 2950
(c) Rs. 3750
(d) Rs. 2800

Answer: (a)

10. If 720 = 2 x 5 x a, then the value of 'a' = _____.

(a) 9
(b) 7
(c) 15
(d) 18

Answer: (d)

11. In human beings, sound is produced by the:

(a) Larynx
(b) Trachea
(c) Thyroid
(d) Epiglottis

Answer: (a)

12. An event management team tried to arrange 9610 chairs in the form of a square, but found that 6 chairs were being left out. How many chairs were there in each row?

(a) 94
(b) 86
(c) 89
(d) 98

Answer: (d)

14. The speed of light in vacuum is:

(a) 3 x 1010 m/s
(b) 3 x 108 m/s
(c) 2 x 108 m/s
(d) 2.25 x 108 m/s

Answer: (b)

16. The fuel used in nuclear power plant is:
    (a) Gasoline
    (b) Gold
    (c) Uranium
    (d) Radium
    Answer: (c)

17. Who coined the term protoplasm?
    (a) Robert Brown
    (b) Robert Hook
    (c) Rudolf Virchow
    (d) Purkinji
    Answer: (d)

19. Which of the following is a green-house gas?
    (a) Hydrogen
    (b) Methane
    (c) Oxygen
    (d) Nitrogen
    Answer: (b)

23. The outermost covering of the cell is called_____
    (a) chloroplast
    (b) cytoplasm
    (c) cell membrane
    (d) cell sap
    Answer: (c)

25. Positive terminal inside a dry cell is made of:
    (a) Zinc rod
    (b) Aluminium rod
    (c) Brass rod
    (d) Carbon rod
    Answer: (d)

26. The brown alga used in the production of potassium and iodine is:
    (a) Gelidium
    (b) Laminaria
    (c) Sargassum
    (d) Porphyra
    Answer: (b)

27. The vein that does not transport deoxygenated blood is _____.

(a) superior vena cava

(b) pulmonary vein

(c) hepatic portal vein

(d) renal vein

Answer: (b)

28. A shopkeeper allows a discount of 10% and still makes a profit of 20%. If an article is marked Rs. 460, then his cost price is:

(a) Rs. 414

(b) Rs. 420

(c) Rs. 345

(d) Rs. 380

Answer: (c)

29. Polio Eradication Programme are chalked out by state governments, because:

(a) Vaccina on creates immunity in the body

(b) Vaccina on kills the disease causing organisms

(c) Vaccine prevents the entry of disease causing organisms

(d) All the above

Answer: (a)

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	**(c)**	2	**(d)**	4	**(d)**	5	**(b)**	9	**(b)**	10	**(c)**
11	**(d)**	12	**(a)**	13	**(a)**	15	**(d)**	16	**(a)**	17	**(d)**
18	**(b)**	19	**(b)**	20	**(b)**	21	**(b)**	22	**(c)**	23	**(d)**
24	**(a)**	25	**(b)**	26	**(a)**	27	**(b)**	28	**(d)**	29	**(b)**
30	**(c)**	31	**(c)**	32	**(a)**	33	**(b)**	34	**(a)**	36	**(a)**
40	**(a)**										

Mental Ability and Mental Aptitude

7	**(c)**	8	**(d)**	9	**(d)**	10	**(a)**	11	**(c)**	12	**(b)**
13	**(d)**	14	**(b)**	15	**(c)**	16	**(c)**	17	**(b)**	18	**(b)**
19	**(b)**	21	**(d)**	22	**(c)**	23	**(b)**	24	**(b)**	26	**(a)**
28	**(c)**	29	**(c)**	30	**(b)**						

Science and Simple Arithmetic

7	**(c)**	8	**(a)**	10	**(d)**	11	**(a)**	12	**(d)**	14	**(b)**
16	**(c)**	17	**(d)**	19	**(b)**	23	**(c)**	25	**(d)**	26	**(b)**
27	**(b)**	28	**(c)**	29	**(a)**						