PREVIOUS YEAR PAPER

MP Police Constable 2017 — 30 August 2017, Shift 1

MP Police Constable · 30 August 2017 · 09:00 AM

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

Left out of the original paper: 26 (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 30 August 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-2017-30-aug-shift-1/

General Knowledge and Logical Knowledge

1. If BDFH is coded IKMO, then how is LNPR coded?
   (a) SUWY
   (b) QOSU
   (c) RPNL
   (d) SUQO
   Answer: (a)

2. Find the odd one out:
   (a) Tea and Coffee
   (b) Cycle and Scooter
   (c) Rifle and Sword
   (d) Shirt and Tailor
   Answer: (d)

3. Find the odd one out:

1, 11, 20, 28, 34, 41, 46
   (a) 28
   (b) 11
   (c) 34
   (d) 41
   Answer: (c)

5. In a certain code zep zap zik means catch the ball and zik k lik means the blue shirt which is the word for the in that language
   (a) lek
   (b) zik
   (c) zap
   (d) zep
   Answer: (b)

6. In a certain code language, Talk to me means Tu Nam Pit; Give me that means Su Ram Nam; Give to him means Pi Tu Su. Which is the word for Give to me in that code language?

(a) Pi Tu Su
(b) Pi Tu Ram
(c) Nam Ram Su
(d) Su Tu Nam

Answer: (d)

7. If ANSWER is coded BMUUHO, then how is QUESTION coded?

(a) RTFRUHPM
(b) RTGQWFSJ
(c) RTGQFWSJ
(d) RTGQFWJS

Answer: (b)

8. If BANGALORE is coded NABLAGERO, then how is HYDERABAD coded?

(a) HYDERADAB
(b) HYDAREBAD
(c) DYHERABAD
(d) DYHAREDAB

Answer: (d)

10. A river that originates in Tikamgarh is also referred as Pushpavati. The name of this river is

(a) Panbatti
(b) Ken
(c) Chambal
(d) Pahuj

Answer: (d)

11. Who is the present Chief Minister of Kerala?

(a) Oommen Chandy
(b) A.K. Antony
(c) Pinarayi Vijayan
(d) V.S. Achuthanandan

Answer: (c)

12. On which date did the Modi government announce demonetization?

(a) October 31, 2016
(b) November 15, 2016
(c) November 8, 2016
(d) November 9, 2016

Answer: (c)

13. Which one of the following pacts sought to resolve the Hindu-Muslim differences?
    (a) Lahore pact
    (b) Gandhi-Irwin Pact
    (c) Poona Pact
    (d) Lucknow pact
    Answer: (d)

14. Which fort is said to be associated with the Ramayana?
    (a) Gohad Fort
    (b) Bandhavgarh Fort
    (c) Malwa Fort
    (d) Narwar Fort
    Answer: (b)

15. Which of the following is the 28th State of India?
    (a) Gorkhaland
    (b) Jharkhand
    (c) Uttarakhand
    (d) Chhattisgarh
    Answer: (b)

16. Which of the following banks is not authorized to o n accounts under the Jan Dhan Yojana scheme?
    (a) HSBC Bank
    (b) IDBI Bank
    (c) ICICI Bank
    (d) Union Bank of India
    Answer: (a)

17. The playing time of the full version of the national anthem is approximately ____seconds.
    (a) 58
    (b) 52
    (c) 68
    (d) 75
    Answer: (b)

18. Gujari Mahal and Gwalior Mahal in Gwalior were built by
    (a) Man Singh Tomar
    (b) Raja Bhoj
    (c) Raja Dumana
    (d) Scindia Devi
    Answer: (a)

19. What is Saang a type of?
    (a) Traditional food
    (b) Language
    (c) Folk music
    (d) Folk dance-theatre
    Answer: (d)

20. Amjad Ali Khan is a famous exponent of
    (a) Sitar
    (b) Veena
    (c) Tabla
    (d) Sarod
    Answer: (d)

21. Who among the following is NOT one of the recipients of Arjuna Award 2015?
    (a) Dipa Karmakar (Gymnastics)
    (b) Jitu Rai (Shooting)
    (c) P.R. Sreejesh (Hockey)
    (d) Anoop Singh (Wrestling)
    Answer: (d)

22. Pandit Ravi Shankar was well known for his master in
    (a) Sitar
    (b) Violin
    (c) Flute
    (d) Sarod
    Answer: (a)

23. "Tirthraj" is the name given to
    (a) Amarkantak
    (b) Orchha township
    (c) Khajuraho
    (d) Kanha national park
    Answer: (a)

24. The gas that leaked in the Bhopal Gas Tragedy in 1984 was
    (a) Carbon Monoxide
    (b) Carbon Dioxide
    (c) Methyl Chloride
    (d) Methyl Isocyanate
    Answer: (d)

25. Deodhar Trophy is related to which sport?
(a) Cricket
(b) Volleyball
(c) Football
(d) Tennis
Answer: (a)

26. 24th Amendment deals with
(a) The procedure of the election of the president
(b) Scheduled caste and tribes
(c) Fundamental rights
(d) Directive principles of state policy
Answer: (c)

27. Gopal Krishna Gokhale founded the
(a) Bombay Presidency Association
(b) Servants of India society
(c) Poona Sarvajanik sabha
(d) Landholders' Society
Answer: (b)

28. The Fundamental Rights have been incorporated in which part of the Constitution of India?
(a) 3
(b) 4
(c) 2
(d) 8
Answer: (a)

29. According to India State of Forest Report – 2015, which State has highest forest cover in the country? Arunachal Pradesh
(a) Arunachal Pradesh
(b) Andhra Pradesh
(c) Madhya Pradesh
(d) Nagaland
Answer: (c)

32. Complete the series choosing the missing number:

11, 13, 17, 23, 31, _____
(a) 47
(b) 41
(c) 35
(d) 39
Answer: (b)

33. Complete the series choosing the missing number:

3645, 405, 135, 15, _____

(a) 3
(b) 10
(c) 5
(d) 1

Answer: (c)

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

Statements:

All markers are sketch pens

Some sketch pens are pencils

Conclusions:

I. Some pencils are not sketch pens

II. All sketch pens are not marker

(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)

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

Statements:

Some boxes are bundles

Some bundles are boards

Conclusions:

I. Some boards are bundles

II. Some boxes are boards

(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)

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

Statements:

Some mountains are hills

All hills are valleys

Conclusions:

I. Some mountains are valleys

II. No hill is a mountain

(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)

38. Complete the series choosing the missing letter/s:

A, EF, B, FG, C, _____

(a) D
(b) HI
(c) GF
(d) GH

Answer: (d)

40. Complete the series choosing the missing number:

121, 169, 289, 361, 529, _____

(a) 625
(b) 676
(c) 729
(d) 841

Answer: (d)

Mental Ability and Mental Aptitude

5. Two pipes can fill a tank in 10 hrs and 20 hrs, respectively. How long will they take to fill up the tank, if they are used together?

(a) 6 hrs 35 min
(b) 6 hrs 30 min
(c) 6 hrs 40 min
(d) 6 hrs 45 min

Answer: (c)

6. The present age of a Man is 2 years more than four times the age of a Boy. Four years hence, Man's age will be 16 years more than twice the age of the boy. Find the present age of the Man.

(a) 40
(b) 36
(c) 38
(d) 30

Answer: (c)

7. On selling tea at Rs. 40 per kg, a tea merchant incurs a loss of 10 %. Calculate the amount of tea sold, if the total loss is Rs. 80.

(a) 19 kg
(b) 20 kg
(c) 18 kg
(d) 17 kg

Answer: (c)

8. What is the number of times 2079 is divided by 189, so that the remainder is less than 189?

(a) 12
(b) 10
(c) 11
(d) 13

Answer: (c)

9. What is the speed of a train of length 150 m, if it ses a pole in 5 sec?

(a) 110 kmph
(b) 111 kmph
(c) 108 kmph
(d) 100 kmph

Answer: (c)

10. What is the difference between the smallest 5-digit number and the largest 3-digit number?

(a) 9999
(b) 9000
(c) 9001
(d) 10000

Answer: (c)

11. Two individuals X and Y can assemble a machine in 12 days. If Y alone can assemble it in 48 days; then, X can assemble it single-handedly in:

(a) 40 days
(b) 24 days
(c) 16 days
(d) 20 days

Answer: (c)

12. If Shahid bought a table for Rs. 200 and sold it for Rs. 250, then, what is his gain percentage?

(a) 45 %
(b) 25 %
(c) 35 %
(d) 15 %

Answer: (b)

13. The least square number divisible by 5, 6, and 10 is:

(a) 1600
(b) 600
(c) 900
(d) 300

Answer: (c)

14. If the average marks of three batches of 50, 60 and 70 students respectively is 65, 50 and 80, then the average marks of all the students is:

(a) 66
(b) 55
(c) 62
(d) 60

Answer: (a)

16. A gets Rs. 33 when a sum of money was distribu among A, B, and C in the ratio of 3 : 2 : 5. What will be the sum of money?

(a) 99
(b) 111
(c) 110
(d) 121

Answer: (c)

17. A person spends 75 % of his salary. If his salary is increased by 20 %, and he increases his expenditure by 10 %, find the percentage increase in his savings.

(a) 30 %
(b) 60 %
(c) 40 %
(d) 50 %

Answer: (d)

18. Rani's present age is two-fifth of the age of her father. After 8 years, she will be one-half of the age of her father. How old is the father at present?

(a) 40 years
(b) 32 years
(c) 48 years
(d) 36 years

Answer: (a)

19. There would be a 10% loss, if a toy is sold at Rs. 10.80 per piece. At what price should it be sold to earn a profit of 20%?

(a) Rs. 12.00
(b) Rs. 13.20
(c) Rs. 14.40
(d) Rs. 12.96

Answer: (c)

20. Shiva's age is twice the age of Sneha. Sneha's age is one-third of her father, Sriram's age. If Sriram is 36 years old, then what is Shiva's age?

(a) 24 years
(b) 6 years
(c) 48 years
(d) 36 years

Answer: (a)

23. In a digital calculator, the digits 2, 5, 8 and 4 are not working. If it is a-6-digit calculator, what can be the maximum difference between 2 numbers (both the numbers are > 0 and are formed without repetition of any digit) using this calculator?

(a) 976310
(b) 872631
(c) 772631
(d) 171631

Answer: (a)

24. The arithmetic mean of 35 numbers is ca[illegible] to be 75. If each number is increased by 6, then the mean of the new number will be:

(a) 41
(b) 6
(c) 55
(d) 81

Answer: (d)

25. An alloy contains copper and zinc in the ratio 8 : 3. If the alloy contains 18 kg zinc, then the quantity of copper in the alloy is:

(a) 58 kg
(b) 48 kg
(c) 28 kg
(d) 68 kg

Answer: (b)

26. If Peter can hire 6 men for 11 days and he pays $462, then how many men he can hire if he has $420 and he needs them for 15 days?

(a) 4
(b) 7
(c) 5
(d) 8

Answer: (a)

27. Ram bought an iPhone for Rs.75,000, Mac book for Rs.95,000, iPad for Rs.30,000 and sold all the items to Shyam at an average price of Rs.70,000. How much Profit did Ram made out of the deal?

(a) Rs.11,000
(b) Rs.12,000
(c) Rs.10,000
(d) Rs.10,500

Answer: (c)

28. A train of 120 m long is running with a speed of 65 kmph. In what time will it pass a man who is running at a speed of 5 kmph in the same direction in which the train is running.

(a) 5.8 sec
(b) 6.6 sec
(c) 8.4 sec
(d) 7.2 sec

Answer: (d)

29. Find the average.

31, 41, 51, 61, 71 & 81

(a) 56
(b) 58
(c) 53
(d) 60

Answer: (a)

Science and Simple Arithmetic

6. Deep and Rakesh have a total of 160 stamps. Deep has 10 more stamps than Rakesh. How many stamps does Deep have?

(a) 95
(b) 100
(c) 85
(d) 75

Answer: (c)

7. A boy sold his cap for Rs. 24 and got a profit percentage numerically equal to the cost price. The cost price of the cap is:

(a) Rs. 20 / 20 .
(b) Rs. 18 / 18 .
(c) Rs. 15 / 15 .
(d) Rs. 22 / 22 .

Answer: (a)

9. Which of the following is a perfect cube?

(a) 270
(b) 2700
(c) 256
(d) 216

Answer: (d)

10. Which one of the following is a plant disease caused by bacteria?

(a) Yellow vein mosaic of Bhendi
(b) Rust of wheat
(c) Citrus canker
(d) Blight of potato

Answer: (c)

11. The radii of two right circular cylinders are in the ratio 3:4 and heights are in the ratio 4:5. The ratio of their curved surface area is:

(a) 3 : 5
(b) 2: 5
(c) 2 : 3
(d) 1 : 3

Answer: (a)

12. The measure of an angle is five times its complement. The angle measures:

(a) 80
(b) 75
(c) 30
(d) 15

Answer: (b)

13. The difference between the simple interest received from different banks on Rs. 8000 for 2 years is Rs. 20. The difference of the interest rates of two banks in percentage point is:

(a) 2%
(b) 0.5%
(c) 12.5%
(d) 5%

Answer: (c)

14. The exterior angle of a regular polygon is one-third of its interior angle. The number of sides of the polygon is:

(a) 5
(b) 6
(c) 7
(d) 8

Answer: (d)

15. What is the maximum number of students in which 175 bananas and 105 oranges can be equally divided?

(a) 140
(b) 5
(c) 105
(d) 35

Answer: (d)

16. What is the smallest number by which 16562 should be divided so that the result is a perfect square?

(a) 3
(b) 2
(c) 91
(d) 31

Answer: (b)

18. How is a disease diagonised?

(a) Signs of the disease will decide the bas. ne symptoms
(b) Signs and symptoms of the disease
(c) Symptoms may indicate a disease
(d) The body systems will be worsened

Answer: (a)

22. What is chlorenchyma?

(a) It is collenchyma containing chloroplasts.
(b) It is parenchyma containing air
(c) It is parenchyma containing chloroplasts.
(d) It is sclerenchyma containing chloroplasts.

Answer: (c)

23. Male gametes or sperms are produced in the:

(a) Ovaries
(b) Penis
(c) Testis
(d) Sperm ducts

Answer: (c)

24. Which of the following represents a correct food chain?
    (a) Frog → eagle → insects → grass → snake
    (b) Grass → insects → frog → snake → eagle
    (c) Grass→ frog → insects → eagle→ snake
    (d) Frog → snake → insects → grass → eagle
    Answer: (b)

25. A device which converts electrical energy into mechanical energy is:
    (a) Electric generator
    (b) Electric transformer
    (c) Electric conductor
    (d) Electric motor
    Answer: (d)

26. The defect due to which a person is not able to see the distant objects clearly is called _____.
    (a) Hypermetropia
    (b) Cornea
    (c) Myopia
    (d) Cataract
    Answer: (c)

27. Which phylum has animals without ssues, body be ng pores?
    (a) Mollusca
    (b) Porifera
    (c) Cnidarian
    (d) Echinodermata
    Answer: (b)

28. Husk of the coconut is made of _____ ssues.
    (a) collenchyma
    (b) xylem and phloem
    (c) scerids
    (d) sclerenchyma
    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	**(a)**	2	**(d)**	3	**(c)**	5	**(b)**	6	**(d)**	7	**(b)**
8	**(d)**	10	**(d)**	11	**(c)**	12	**(c)**	13	**(d)**	14	**(b)**
15	**(b)**	16	**(a)**	17	**(b)**	18	**(a)**	19	**(d)**	20	**(d)**
21	**(d)**	22	**(a)**	23	**(a)**	24	**(d)**	25	**(a)**	26	**(c)**
27	**(b)**	28	**(a)**	29	**(c)**	32	**(b)**	33	**(c)**	34	**(a)**
36	**(d)**	37	**(d)**	38	**(d)**	40	**(d)**				

Mental Ability and Mental Aptitude

5	**(c)**	6	**(c)**	7	**(c)**	8	**(c)**	9	**(c)**	10	**(c)**
11	**(c)**	12	**(b)**	13	**(c)**	14	**(a)**	16	**(c)**	17	**(d)**
18	**(a)**	19	**(c)**	20	**(a)**	23	**(a)**	24	**(d)**	25	**(b)**
26	**(a)**	27	**(c)**	28	**(d)**	29	**(a)**				

Science and Simple Arithmetic

6	**(c)**	7	**(a)**	9	**(d)**	10	**(c)**	11	**(a)**	12	**(b)**
13	**(c)**	14	**(d)**	15	**(d)**	16	**(b)**	18	**(a)**	22	**(c)**
23	**(c)**	24	**(b)**	25	**(d)**	26	**(c)**	27	**(b)**	28	**(d)**