PREVIOUS YEAR PAPER

MP Police Constable 2017 — 24 August 2017, Shift 1

MP Police Constable · 24 August 2017 · 09:00 AM

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

Left out of the original paper: 27 (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 24 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-2017-24-aug-shift-1/

General Knowledge and Logical Knowledge

2. If MEDICINE is coded EOJDJEFM, then how is COMPUTER coded?

(a) RFUVQNPC
(b) RFUVNQPC
(c) RFVUQNPC
(d) RFVUNQPC

Answer: (a)

3. How many different 5 digit numbers can be formed m the digits 9, 0, 4, 1, 6, so that '0' is in the tenth place?

(a) 24
(b) 84
(c) 120
(d) 48

Answer: (a)

4. Harish wants to meet his friend Farhan. He travels 10 km north and then turns right and travels 2 km. He then goes east for 5 km before reaching Farhan's home. How many km does he travel?

(a) 12 km
(b) 17 km
(c) 10 km
(d) 6 km

Answer: (b)

6. In which state is the Digboi Oil Refinery located?

(a) Sikkim
(b) Uttar Pradesh
(c) Bihar
(d) Assam

Answer: (d)

7. Who is the Deputy Speaker of the Lok Sabha?
   (a) Sumitra Mahajan
   (b) Thambi Durai
   (c) Mukhtar Abbas Naqvi
   (d) P J Kurien
   Answer: (b)

8. Who is the Union Minister for Agriculture and Farmers Welfare?
   (a) Chaudhary Birender Singh
   (b) Thaawar Chand Gehlot
   (c) Radha Mohan Singh
   (d) Harsimrat Kaur Badal
   Answer: (c)

9. How many Gold Medals did India win at the 12th South Asian Games held in February 2016?
   (a) 200
   (b) 156
   (c) 188
   (d) 96
   Answer: (c)

10. Which award is given for excellence in sports?
   (a) Arjuna
   (b) None of these
   (c) Jnanpith
   (d) Jamnalal Bajaj
   Answer: (a)

11. Which cricketer won the International Cricketer of the Year at the CEAT Cricket Rating Awards, 2017?
   (a) Virat Kohli
   (b) R Ashwin
   (c) Shikhar Dhawan
   (d) MS Dhoni
   Answer: (b)

12. Which of the following projects has won the Aga Khan Award for Architecture?
   (a) Apni Zameen, Apni Chhat
   (b) Aranya Community Housing, Indore
   (c) MP Housing Guarantee Scheme
   (d) Atal Ashraya Yogana
   Answer: (b)

13. Which State has been ranked first in the Public Affairs Index- 2017?
    (a) Tamil Nadu
    (b) Karnataka
    (c) Kerala
    (d) Maharashtra
    Answer: (c)

14. Banjar River Project is in the____ Basin.
    (a) Narmada
    (b) Yamuna
    (c) Chambal
    (d) Ganga
    Answer: (a)

15. Where is Nek Chand Rock Garden located?
    (a) Chandigarh
    (b) Jamshedpur
    (c) Ranchi
    (d) Darjeeling
    Answer: (a)

16. New and Renewable Energy Department of the M ya Pradesh government was established in the year _____.
    (a) 2015
    (b) 2016
    (c) 2010
    (d) 2014
    Answer: (c)

17. Vishwamitra Award is given to?
    (a) Physical trainers
    (b) Players
    (c) Sports Administrators
    (d) Coaches
    Answer: (d)

18. The term 'The Ashes' is associated with:
    (a) Cricket
    (b) Hockey
    (c) Football
    (d) Swimming
    Answer: (a)

19. India's first underwater rail tunnel connects _____ to _____.
    (a) Chennai, Vishakapatnam
    (b) Navi Mumbai, Mumbai
    (c) Howrah, Kolkata
    (d) Allahabad, Lucknow
    Answer: (c)

20. Who was the first Indian to win Nobel Prize?
    (a) Rabindranath Tagore
    (b) C.V. Raman
    (c) Amartya Sen
    (d) Kailash Satyarthi
    Answer: (a)

21. Who was elected the 14th President of India?
    (a) Pranab Mukherjee
    (b) Venkaiah Naidu
    (c) Ram NathKovind
    (d) Meira Kumar
    Answer: (c)

23. Ustaad Bismillah Khan is associated with:
    (a) Sitar
    (b) Shehnai
    (c) Tabla
    (d) Sarod
    Answer: (b)

24. _____ is the largest ever Kolkata-class destroyer ship to be built in India.
    (a) INS Kolkata
    (b) INS Vikrant
    (c) INS Vikramaditya
    (d) INS Chennai
    Answer: (d)

25. Complete the series choosing the missing number:

2, 4, 8, 16, 32, _____
    (a) 62
    (b) 70
    (c) 64
    (d) 60
    Answer: (c)

26. Complete the series choosing the missing number:

19, 2, 38, 3, 114, 4, _____

(a) 228
(b) 352
(c) 256
(d) 456

Answer: (d)

27. Complete the series choosing the missing number:

2, 3, 5, _____, 17, 33

(a) 352
(b) 256
(c) 9
(d) 456

Answer: (c)

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

Statements:

All trains are shrimps

Some shrimps are cameras

Conclusions:

I. Some trains are cameras

II. Some cameras are trains

(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)

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

Statements:

Some pigs are geese

Some geese are oranges

Conclusions:

I. Some geese are pigs

II. Some oranges are geese

(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: (d)

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

Statements:

Some stones are buckets

All knocks are stones

Conclusions:

I. Some buckets are stones

II. Some knocks are buckets

(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)

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

Statements:

Some tanners are artists

Some artists are pickpockets

Conclusions:

I. Some tanners are pickpockets

II. Some pickpockets are tanners

(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. Find the odd one out:

7, 13, 25, 49, 98

(a) 25
(b) 49
(c) 98
(d) 13

Answer: (c)

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

6, 7, 9, 12

(a) 9
(b) 7
(c) 12
(d) 6

Answer: (b)

34. One of the heritage sites according to UNESCO is the____.

(a) Kesavnath Temple at Ujjain
(b) Bhojapur
(c) Jahaz Mahal at Mandu
(d) Khajuraho Monuments

Answer: (d)

37. IfMUSIC is coded SZWLE, then how is CANOE coded?

(a) LSWER

(b) FGSEL

(c) IFRRG

(d) RGFIS

Answer: (c)

Mental Ability and Mental Aptitude

5. The population of a town increased from 2,60,000 to 3,32,800. The percentage of population per year is:

(a) 27%

(b) 25%

(c) 28%

(d) 26%

Answer: (c)

8. What is the product of the difference between the smallest 4-digit number and the largest 3-digit number and the sum of the largest 2-digit number and the smallest 3-digit number?

(a) 199

(b) 9999

(c) 9000

(d) 10000

Answer: (a)

9. Value of 312 / 0.002 is / 312

(a) 15600

(b) 156000

(c) 156

(d) 155500

Answer: (b)

10. Twenty lamps can be lighted for 6 hr a day for 20 days at a cost of Rs. 100. How much would be the cost of lighting 40 lamps, 8 hr for 12 days?

(a) Rs. 150

(b) Rs. 160

(c) Rs. 180

(d) Rs. 140

Answer: (b)

11. If A is 10 % more than B, then how much is B less than A?

(a) 12.5 %

(b) 12.14 %

(c) 9.09 %

(d) 10 %

Answer: (c)

12. If a baker's dozen is 13, how much would be five dozens of baker's dozens?

(a) 845

(b) 936

(c) 720

(d) 780

Answer: (d)

13. If each side of a square increases 3 times, then the area of the square increases by:

(a) 12 times

(b) 9 times

(c) 3 times

(d) 6 times

Answer: (b)

14. Divide 960 into 2 parts such that one exceeds the ...er by 26.

(a) 534, 426

(b) None of the above

(c) 474, 486

(d) 467, 493

Answer: (d)

15. Amit, a furniture seller, plans to sell a table for Rs. 720. If he gained 20%, then what was the cost price of the table?

(a) Rs. 720

(b) Rs. 575

(c) Rs. 850

(d) Rs. 600

Answer: (d)

16. A father is four times as old as his son today. After 24 years, the ratio of ages of son and father will be 1:3. Find the present age of the son.

(a) 48

(b) 24

(c) 50

(d) 22

Answer: (a)

17. A team has won 16 matches and lost in 5 of them. If these matches represent 70 % of the total number of matches to be played, how many more matches should the team win, in order to have a record of 80 % wins?

(a) 4

(b) 6

(c) 5

(d) 8

Answer: (d)

18. In a gathering of 75 people, 35 people can speak English and 50 people can speak Hindi. At the most, how many people can speak both the languages?

(a) 10

(b) 15

(c) 25

(d) 35

Answer: (a)

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

(a) 24 days

(b) 22 days

(c) 16 days

(d) 20 days

Answer: (d)

20. The sum of the ages of a father and son is 45 years. Five years ago, the product of their ages was four times the father's age at that time. The present age of father and son is:

(a) 34, 11

(b) 40, 5

(c) 36, 9

(d) 35, 10

Answer: (c)

21. The sum of the ages of a father and son is 45 years. Five years ago, the product of their ages was four times the father's age at that time. The present age of father and son

(a) 34, 11

(b) 40, 5

(c) 36, 9

(d) 35, 10

Answer: (c)

22. The average weight of a class of 40 students is 55kg. If the weight of the teacher is also included then the average weight of the class becomes 56 kg. Find the weight of the teacher.

(a) 90 kg.
(b) 96 kg.
(c) 98 kg.
(d) 95 kg.

Answer: (b)

23. A train covers a distance of 10 km in 12 min. If its speed is decreased by 10 km/h, then the time taken by the train to cover the same distance will be:

(a) 16 min
(b) 18 min
(c) 14 min
(d) 15 min

Answer: (d)

24. A train passes a platform 90 m long in 30 seconds and a man standing on the platform in 15 seconds. What is the speed of the train?

(a) 5 m/s
(b) 3 m/s
(c) 6 m/s
(d) 2 m/s

Answer: (c)

25. A train crosses a man in 5 sec and a bridge of length 300 m in 20 sec. Find the speed and length of the train.

(a) 25 m/s, 150 m
(b) 25 m/s, 100 m
(c) 20 m/s, 150 m
(d) 20 m/s, 100 m

Answer: (d)

26. Shanthi and Rani start a business investing Rs. 85,000 and Rs. 15,000, respectively. In what ratio should the profit be divided between them after two years?

(a) 17 : 3
(b) 17 : 23
(c) 3 : 4
(d) 15 : 23

Answer: (a)

27. A book seller offers a discount of 10%. Find the price paid by the customer for a book, which is marked as Rs. 62.

(a) Rs. 50.25
(b) Rs. 55.80
(c) Rs. 65.50
(d) Rs. 60.75

Answer: (b)

30. Find the average.

66, 72, 78, 84, 90 & 96

(a) 78
(b) 80
(c) 81
(d) 79

Answer: (c)

Science and Simple Arithmetic

5. Land pollution in which land is unsuitable for farming due to high salt content is known as:

(a) Desertification
(b) Salinization
(c) Carbonization
(d) Oxygenation

Answer: (b)

7. Find the value of 'x', if 50x = 6482 - 2482.

(a) 6980
(b) 7168
(c) 6880
(d) 7190

Answer: (b)

8. Find the difference between compound interest and simple interest on a sum of Rs. 5000 at 10% per annum for 3 years.

(a) Rs. 175
(b) Rs. 130
(c) Rs. 140
(d) Rs. 155

Answer: (d)

9. In our home, the electrical appliances are connected_____.

(a) in parallel with the source only if it is a high power appliance

(b) in series with the source

(c) some in series and some in parallel with the source

(d) in parallel with the source

Answer: (d)

10. Combustion that takes place at high speed is called_____.

(a) Spontaneous burning

(b) Explosion

(c) Incomplete burning

(d) Rapid combustion

Answer: (d)

11. Sky appears blue due to:

(a) Dispersion

(b) Scattering

(c) Refraction

(d) Reflection

Answer: (b)

12. Red Data book is the source book which keeps a r ord of:

(a) All the migratory birds

(b) All the wild life sanctuaries

(c) All the endemic species

(d) All the endangered species

Answer: (d)

14. A certain data is presented in the form of a frequency distribution using same class size. If the class mark of the first class interval is 70, and the class size is 20, then the upper limit of the seventh class interval is:

(a) 160

(b) 220

(c) 200

(d) 140

Answer: (c)

15. ABCD is a rhombus. If ∠BCA = 66°, then ∠CAD = _____.

(a) 30°

(b) 66°

(c) 24°

(d) 33°

Answer: (b)

16. The colour of Phenolphthalein in acidic and basic solutions are_____, respectively.

(a) red and blue

(b) pink and colourless

(c) blue and red

(d) colourless and pink

Answer: (d)

18. The term ‘Black Gold’ is used for:

(a) Coal

(b) Graphite

(c) Petroleum

(d) Carbon

Answer: (c)

19. By selling a chair for Rs. 360, a shopkeeper loses 10% of his cost. If he sells it for Rs. 420, then his profit percent is:

(a) 3%

(b) 8%

(c) 5%

(d) 6%

Answer: (c)

20. The muscles found on arms and legs are:

(a) Unstriated muscles

(b) Smooth muscles

(c) Voluntary muscles

(d) Involuntary muscles

Answer: (c)

23. PQRS is a rectangle and the diagonal PR and QS meet at 'O'. If PR =(x + 6) and OQ = 17cm, then 'x' = _____.

(a) 11cm

(b) 29cm

(c) 23cm

(d) 28cm

Answer: (d)

25. A non-metal with high melting and boiling point is _____.

(a) chlorine

(b) hydrogen

(c) bromine

(d) graphite

Answer: (d)

26. Which of the following is a monocotyledonous plant?
    (a) Ground nut
    (b) Corn
    (c) Bengal gram
    (d) Sun flower

    Answer: (b)

27. Which one of the features mentioned below about decomposers is not applicable to decomposers?
    (a) They transfer energy to the next trophic level in the food chain.
    (b) Decomposers are also scavengers and they clean the earth.
    (c) They help in recycling nutrients.
    (d) They are also called as saprophytes or reducers.

    Answer: (a)

28. The structures inside a cell can be seen clearly with:
    (a) Light microscope
    (b) Compound microscope
    (c) Hand lens
    (d) Electron microscope

    Answer: (d)

29. 0.0000000000425 in the standard form is:
    (a) 4.25 x 1010
    (b) 42.5 x 1010
    (c) 42.5 x 10-11
    (d) 4.25 x 10-11

    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

2	**(a)**	3	**(a)**	4	**(b)**	6	**(d)**	7	**(b)**	8	**(c)**
9	**(c)**	10	**(a)**	11	**(b)**	12	**(b)**	13	**(c)**	14	**(a)**
15	**(a)**	16	**(c)**	17	**(d)**	18	**(a)**	19	**(c)**	20	**(a)**
21	**(c)**	23	**(b)**	24	**(d)**	25	**(c)**	26	**(d)**	27	**(c)**
28	**(c)**	29	**(d)**	30	**(b)**	31	**(c)**	32	**(c)**	33	**(b)**
34	**(d)**	37	**(c)**								

Mental Ability and Mental Aptitude

5	**(c)**	8	**(a)**	9	**(b)**	10	**(b)**	11	**(c)**	12	**(d)**
13	**(b)**	14	**(d)**	15	**(d)**	16	**(a)**	17	**(d)**	18	**(a)**
19	**(d)**	20	**(c)**	21	**(c)**	22	**(b)**	23	**(d)**	24	**(c)**
25	**(d)**	26	**(a)**	27	**(b)**	30	**(c)**				

Science and Simple Arithmetic

5	**(b)**	7	**(b)**	8	**(d)**	9	**(d)**	10	**(d)**	11	**(b)**
12	**(d)**	14	**(c)**	15	**(b)**	16	**(d)**	18	**(c)**	19	**(c)**
20	**(c)**	23	**(d)**	25	**(d)**	26	**(b)**	27	**(a)**	28	**(d)**
29	**(d)**										