PREVIOUS YEAR PAPER

MP Police Constable 2017 — 21 August 2017, Shift 1

MP Police Constable · 21 August 2017 · 09:00 AM

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 21 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-2017-21-aug-shift-1/

General Knowledge and Logical Knowledge

2. Find the odd one out:

(a) Cube
(b) Triangle
(c) Square
(d) Rectangle

Answer: (a)

5. In which year was the project Tiger launched?

(a) 2004-05
(b) 1983-84
(c) 2013-14
(d) 1973-74

Answer: (d)

6. In which year did India become a republic?

(a) 1956
(b) 1950
(c) 1952
(d) 1947

Answer: (b)

7. Who is the first direct-entry Coast Guard officer to become the Director-General of Indian Coast Guard?

(a) Rajendra Singh
(b) Krishna Chaudhary
(c) Prabhakaran Paleri
(d) H.C.S. Bisht

Answer: (a)

8. Who is the present Governor of Meghalaya?
   (a) Tathagata Roy
   (b) Padmanabha Acharya
   (c) Banwarilal Purohit
   (d) V. Shanmuganathan
   Answer: (c)

9. Who is the chief of the Indian Navy?
   (a) Admiral Robin Dhowan
   (b) Admiral S M Prakash Nanda
   (c) Admiral Sunil Lanba
   (d) Admiral Arun
   Answer: (c)

10. Three –fourths of the Earth's surface is occupied by
   (a) Air
   (b) Sand
   (c) Water
   (d) Snow
   Answer: (c)

11. Dadasaheb Phalke Award is given for:
   (a) Literature
   (b) Social welfare
   (c) Drama
   (d) Films
   Answer: (d)

12. Which Article of the Indian Constitution guarantees the Right to Freedom of Speech and Expression?
   (a) Article 22
   (b) Article 20
   (c) Article 19
   (d) Article 21
   Answer: (c)

13. The principal seat of the High Court of Madhya Pradesh is at
   (a) Indore
   (b) Gwalior
   (c) Jabalpur
   (d) Bhopal
   Answer: (c)

14. Pagara is a dam located in
    (a) Morena
    (b) Sholapur
    (c) Ujjain
    (d) Balaghat

    Answer: (a)

15. All Union Ministers are appointed by
    (a) Chief Justice of Supreme Court
    (b) The President
    (c) The Vice-president
    (d) Prime minister

    Answer: (b)

16. Where is the headquarters of Reserve Bank of India?
    (a) Kolkata
    (b) Mumbai
    (c) Indore
    (d) New Delhi

    Answer: (b)

17. NH 47A, which starts at Kundannur is the shortest ' nway in India. What is its length?
    (a) 8km
    (b) 5km
    (c) 10km
    (d) 6km

    Answer: (d)

18. Who among the following is the winner of the Jnanpith Award for the year 2015?
    (a) Bhalachandra Nemade
    (b) Raghuveer Chaudhary
    (c) Girish Karnad
    (d) Shankha Ghosh

    Answer: (b)

19. The third Guru of the Sikhs was
    (a) Guru Arjan Dev
    (b) Guru Angad Dev
    (c) Guru Gobind Singh
    (d) Guru Amar Das

    Answer: (d)

20. Udayagiri caves is located at
    (a) Vidisha
    (b) Ujjain
    (c) Mandu
    (d) Khajuraho
    Answer: (a)

21. The first Asian Games were held in India in:
    (a) 1950
    (b) 1952
    (c) 1951
    (d) 1953
    Answer: (c)

22. International Labour Day is observed on
    (a) May 1
    (b) May 17
    (c) December 10
    (d) June 5
    Answer: (a)

23. The Vice-President of India is
    (a) Elected by members of both Lok Sabha and R a Sabha.
    (b) Elected by members of Rajya Sabha only.
    (c) Elected by members of Lok Sabha o.
    (d) Appointed by the President.
    Answer: (a)

24. The districts in which the Tropic of Cancer DOES NOT pass through are
    (a) Shahpur and Rajgarh
    (b) Indore and Balaghat
    (c) Bhopal and Jabalpur
    (d) Ratlam and Ujjain
    Answer: (b)

25. Complete the series choosing the missing number:

3, 5, 9, 15, 23, _____
    (a) 28
    (b) 35
    (c) 33
    (d) 30
    Answer: (c)

26. Complete the series choosing the missing number:

2, 3, 5, 7, _____

(a) 10
(b) 11
(c) 9
(d) 8

Answer: (b)

27. Complete the series choosing the missing number:

2, 3, 6, 11, 18, _____

(a) 29
(b) 20
(c) 23
(d) 27

Answer: (d)

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

Statements:

Some sofas are chairs

Some chairs are tables

Conclusions:

I. Some chairs are not tables

II. Some tables are sofas

(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)

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

Statements:

All trees are shrubs

Some plants are trees

Conclusions:

I. Some plants are shrubs

II. Some plants are not shrubs

(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. Find the odd one out:

(a) Horse and Stable
(b) Sheep and Pen
(c) Birds and Nest
(d) Dog and Den

Answer: (d)

33. If JOKER is coded IMHAM, then how is SH[illegible]XH coded?

(a) RFYENDOZ
(b) RFXDMODZ
(c) RFXFMODB
(d) RFXENODZ

Answer: (b)

34. If CONDEMN is coded CNODMEN, then how is TEACHER coded?

(a) TAEECHR
(b) TAECHER
(c) TAECEHR
(d) TCAEER

Answer: (c)

35. IfCHAIR is coded DIBJS, then how is TABLE coded?

(a) UBCMF
(b) UDBLE
(c) RACGK
(d) SFGMI

Answer: (a)

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

a b x y z __ x a __ y x a __ y z a __ x z __

(a) b, z, a, b, a

(b) b, x, a, b, y

(c) b, z, b, b, y

(d) b, z, b, c, a

Answer: (c)

38. In a certain code language, beta zeta teta means slow local train, zeta zota pota means fast passenger train, tui mara beta means view slow motion. Which is the word for local in that code language?

(a) mara

(b) beta

(c) pota

(d) teta

Answer: (d)

39. In a certain code language, Bring me water means Ki Pu Le; Don't waste water means Do Ki Ma; Bring that board means Le Tha Se. Which is the word for Bring in that code language?

(a) Do

(b) Pu

(c) Ki

(d) Le

Answer: (d)

40. In the word 'MICROSCOPE" each letter is replaced by the letter preceding the letter in the alphabet series. What will be the 8th alphabet in the changed word?

(a) N

(b) Q

(c) P

(d) B

Answer: (a)

Mental Ability and Mental Aptitude

4. Mahesh goes to a shop to buy a shirt for Rs. 654. The rate of sales tax is at 9 %. He tells the shopkeeper to reduce the price of the shirt so that he pays only Rs. 654, inclusive of the sales tax. Find the reduction needed in the price of the shirt.

(a) Rs. 74

(b) Rs. 54

(c) Rs. 84

(d) Rs. 64

Answer: (b)

5. How many numbers from 500 to 700 start or end in 6?

(a) 100
(b) 99
(c) 10
(d) 110

Answer: (d)

6. Which of the following is a perfect square?

(a) 457633
(b) 228484
(c) 378119
(d) 266498

Answer: (b)

7. What is the time taken by a train of length 200 m traveling at a speed of 60 m/s to cross a person traveling at a speed of 36 kmph in the same direction?

(a) 4 sec
(b) 10 sec
(c) 11 sec
(d) 5 sec

Answer: (a)

9. Average of all prime numbers between 30 to 50

(a) 39
(b) 37
(c) 39.8
(d) 37.8

Answer: (c)

10. If the shares of children of a sheikh are in the ratio 2/3 : ½ : 3/5 given that the difference between the shares of the sons with the maximum and the minimum share is 15 million Arabian Dinars, how much is the share of the son who gets neither the maximum nor the minimum share?

(a) 48 million Arabian Dinars
(b) 54 million Arabian Dinars
(c) 60 million Arabian Dinars
(d) 45 million Arabian Dinars

Answer: (b)

11. A person purchased a bike for Rs. 50,440 including sales tax. If the rate of the sales tax is 4%, find the original cost of the bike.

(a) Rs. 48,500
(b) Rs. 49,500
(c) Rs. 48,000
(d) Rs. 49,000

Answer: (a)

12. An Iron box was brought for Rs. 770.75 and was sold for a profit of Rs. 50.25. Find selling price of Iron box?

(a) Rs. 721

(b) Rs. 521

(c) Rs. 821

(d) Rs. 621

Answer: (c)

13. There are three sections A, B, and C in an examination and it is necessary to get at least 40 % of the total marks to pass the exam. A candidate got 84 out of 120 in Section A and 40 out of 150 in Section B. State the minimum score the candidate has to obtain out of 180 in Section C in order to pass the examination?

(a) 32

(b) 44

(c) 56

(d) 64

Answer: (c)

14. There are 30 % monkeys, 40 % deer, 10 % wolves and 20 % lions in a forest. If all 100 deer are captured from the forest, how many lions are there in the forest?

(a) 50

(b) 45

(c) 25

(d) 30

Answer: (a)

16. The simplest form of 30xy + 20yz - 10xy - 5yz is:

(a) None of the above

(b) 15yz + 15xy

(c) 20yz + 20 xy

(d) 20xy + 15yz

Answer: (d)

18. The average of 3 consecutive numbers is 15. Find the highest number among these numbers.

(a) 14,15,16

(b) 15,16,17

(c) 12,13,14

(d) 16,17,18

Answer: (a)

20. A train, 175 m long, running at a speed of 63 kmph will pass a man in _____.

(a) 8 sec

(b) 10 sec

(c) 6 sec

(d) 12 sec

Answer: (b)

21. A train 300 m long travelling at 120 kmph crosses a bridge in 45 seconds. How long is the bridge?

(a) 1500 m

(b) 1200 m

(c) 900 m

(d) 1000 m

Answer: (b)

22. The inner circumference of circular race track 14 m wide is 440 cm. Find the radius of the outer circle. / 14

(a) 56 m

(b) 84 m

(c) 76 m

(d) 90 m

Answer: (b)

23. The Ratio of Ages of Anil and Sunil is 2 : 3. Five ars later their ages will be in the ratio of 3 : 4. What are their present ages?

(a) 16, 24

(b) 8, 12

(c) 4, 8

(d) 10, 15

Answer: (d)

24. The difference between two numbers is 235. When the larger number is divided by the smaller one, the quotient is 4 and the remainder is 10. Find the largest number.

(a) 295

(b) 315

(c) 305

(d) 310

Answer: (d)

25. Two times the age of X is 3 times the age of Y. 8 years back, the difference between the ages of X and Y was 18 years. What is the present age of X?

(a) 24
(b) 54
(c) 56
(d) 91

Answer: (b)

28. Find the average.

101, 105, 107, 113, 115 & 125

(a) 111
(b) 117
(c) 109
(d) 110

Answer: (a)

Science and Simple Arithmetic

5. A shopkeeper marks his items 40% above the cost price and gives a discount of 20% on the marked price. His gain percentage is:

(a) 20%
(b) 14%
(c) 15%
(d) 12%

Answer: (d)

6. Ramesh needs to earn a monthly interest of Rs. 8000. The interest rate is 10% per annum but it is paid every month. Which of the following is his investment?

(a) Rs. 800000
(b) Rs. 640000
(c) Rs. 1000000
(d) Rs. 960000

Answer: (d)

7. A can do a piece of work in 10 days and B can do it in 15 days. Number of days to complete the work if they work together is:

(a) 6
(b) 9
(c) 7
(d) 5

Answer: (a)

13. What is the number of sides of a regular polygon when each of its angles has a measure of 135 ?
    (a) 6
    (b) 9
    (c) 8
    (d) 7
    Answer: (c)

14. Soft metals that can be easily cut by a knife are:
    (a) Mercury and zinc
    (b) Sodium and potassium
    (c) Sodium and tin
    (d) Potassium and zinc
    Answer: (b)

15. Which one of the following is NOT a renewable source of energy?
    (a) Wind mill
    (b) Solar cell
    (c) Nuclear power
    (d) Tidal power
    Answer: (c)

16. An element which is stored in water is:
    (a) Phosphorus
    (b) Zinc
    (c) Sodium
    (d) Potassium
    Answer: (a)

17. The transfer of pollen from the anther to the stigma of a flower is called_____.
    (a) fertilization
    (b) fission
    (c) pollination
    (d) transportation
    Answer: (c)

18. A constellation named hunter is:
    (a) Polar bear
    (b) Sirius
    (c) Orion
    (d) Great bear
    Answer: (c)

19. ABC is inscribed in a circle with center O and if BAC = n, OCB = m, then:

(a) m + n = 150

(b) m + n = 90

(c) m + n = 180

(d) m + n = 120

Answer: (b)

22. A number is twice the other number. When the larger number is subtracted from 50, the result is 2 more than when the smaller number is subtracted from 40. The smaller number is:

(a) 6

(b) 7

(c) 5

(d) 8

Answer: (d)

25. Flexibility in plants is due to _____.

(a) Collenchyma

(b) Sclerenchyma

(c) Parenchyma

(d) Chlorenchyma

Answer: (a)

27. Depletion of ozone is mainly due to:

(a) Chlorofluorocarbon compounds

(b) Carbon monoxide

(c) Methane

(d) Sulphur dioxide

Answer: (a)

28. Collenchyma : hemicellulose ::sclerenchyma : _____

(a) lignin

(b) cellulose

(c) pectin

(d) fibres

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

2	**(a)**	5	**(d)**	6	**(b)**	7	**(a)**	8	**(c)**	9	**(c)**
10	**(c)**	11	**(d)**	12	**(c)**	13	**(c)**	14	**(a)**	15	**(b)**
16	**(b)**	17	**(d)**	18	**(b)**	19	**(d)**	20	**(a)**	21	**(c)**
22	**(a)**	23	**(a)**	24	**(b)**	25	**(c)**	26	**(b)**	27	**(d)**
28	**(c)**	30	**(b)**	31	**(d)**	33	**(b)**	34	**(c)**	35	**(a)**
37	**(c)**	38	**(d)**	39	**(d)**	40	**(a)**				

Mental Ability and Mental Aptitude

4	**(b)**	5	**(d)**	6	**(b)**	7	**(a)**	9	**(c)**	10	**(b)**
11	**(a)**	12	**(c)**	13	**(c)**	14	**(a)**	16	**(d)**	18	**(a)**
20	**(b)**	21	**(b)**	22	**(b)**	23	**(d)**	24	**(d)**	25	**(b)**
28	**(a)**										

Science and Simple Arithmetic

5	**(d)**	6	**(d)**	7	**(a)**	13	**(c)**	14	**(b)**	15	**(c)**
16	**(a)**	17	**(c)**	18	**(c)**	19	**(b)**	22	**(d)**	25	**(a)**
27	**(a)**	28	**(a)**								