PREVIOUS YEAR PAPER

MP Police Constable 2017 — 19 August 2017, Shift 1

MP Police Constable · 19 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 19 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-2017-19-aug-shift-1/

General Knowledge and Logical Knowledge

2. When is the Human Rights Day celebrated?
   (a) September 1
   (b) November 10
   (c) December 10
   (d) July 15
   Answer: (c)

3. Vidisha is situated on the banks of river
   (a) Ravi
   (b) Sone
   (c) Ken
   (d) Betwa
   Answer: (d)

4. According to history, who established Gwalior?
   (a) Rana Singh
   (b) Samrat Ashok
   (c) King Vikramaditya
   (d) Suraj Sen
   Answer: (d)

5. If DEMAND is coded DNAMED and SUPPLY is coded YLPPUS, then how is QUANTITY coded?
   (a) YTITNAUQ
   (b) YTITANQU
   (c) YTUTANIQ
   (d) YTATUYIQ
   Answer: (a)

6. The Author of the Biography of PM Shri Narendra Modi 'Modi - Incredible Emergence of a Star' is
   (a) Rajdeep Sardesai
   (b) Tarun Vijay
   (c) Rajiv Shrivastav
   (d) Rajat Sharma
   Answer: (b)

7. The headquarters of the Hindustan Aeronautics Limited is located at
   (a) Chennai
   (b) Bengaluru
   (c) Dewas
   (d) Koraput
   Answer: (b)

8. The total number of Union Territories in India is _____.
   (a) 11
   (b) 10
   (c) 12
   (d) 7
   Answer: (d)

9. The Reserve Bank of India was established in
   (a) 1949
   (b) 1947
   (c) 1927
   (d) 1935
   Answer: (d)

10. Who is the Principal Economic Advisor in the Union Finance Ministry?
   (a) Arvind Subramanian
   (b) Sanjeev Sanyal
   (c) Subramaniam Swamy
   (d) Raghuram Rajan
   Answer: (b)

11. Who has been named as the winner of the 2014 Sahitya Academi Award for Sanskrit
   (a) Ramji Thakur
   (b) Mithila Prasad Tripathi
   (c) Prabhu Nath Dwivedi
   (d) Ram Shankar Awasthi
   Answer: (c)

12. Who constructed the Chaturbhuj Temple of Orchha?
    (a) Satpura Kings
    (b) Bundela Rajputs
    (c) King Vikramaditya
    (d) Raja Bhoj
    Answer: (b)

13. Highest peak in the Vindhya Range is the
    (a) Bell Peak
    (b) Mikai Range
    (c) Cascade Range
    (d) Goodwill Peak
    Answer: (d)

14. Who is the chief of the Indian Army?
    (a) Gen Bikram Singh
    (b) Gen Dalbir Singh
    (c) Gen Bipin Rawat
    (d) Gen Deepak Kapoor
    Answer: (c)

15. Find the odd one out:
    (a) Elephants and Thumpet
    (b) Horses and Neigh
    (c) Camels and Roar
    (d) Dogs and Bark
    Answer: (c)

17. If BOARD is coded ERDUG, then how is FKDLU coded?
    (a) OXING
    (b) GOXIN
    (c) NIXOG
    (d) INGOX
    Answer: (d)

18. How many villages from Madhya Pradesh have been included in the Climate Smart Village Project of the Union Ministry of Environment, Forest & Climate Change?
    (a) 50
    (b) 90
    (c) 80
    (d) 60
    Answer: (d)

19. India's nuclear-capable missile, Agni V was test fired in 2016 from

(a) Munroe Island

(b) Srirangam Island

(c) Abdul Kalam Island

(d) Havelock Island

Answer: (c)

20. Consider a group comprising of 4 students: Reena, Beena, Meena and Neena, who stand in a row. Reena and Beena stand in 6th and 7th positions respectively from the left. Meena and Neena stand in the 4th and 5th positions respectively from the right. When Beena and Meena exchange their positions, then Beena will be 15th from the left. Originally, Neena's position from the left is:

(a) 16

(b) 14

(c) 13

(d) 5

Answer: (b)

21. The probability of Sita, Gita and Mita passing a test is 60 %, 40 % and 20 % respectively. What is the probability that at Sita and Gita will pass the test and Mita will not?

(a) 38.4%

(b) 60%

(c) 4.8%

(d) 19.2%

Answer: (d)

23. Which of the following words are inscribe[illegible]e national emblem?

(a) Satyameva Jayate

(b) Vande Mataram

(c) Jana – gana – mana

(d) Bharat Mata Ki Jai

Answer: (a)

24. Complete the series choosing the missing number:

2, 8, 3, 27, 4, _____

(a) 82

(b) 64

(c) 32

(d) 48

Answer: (b)

25. Complete the series choosing the missing number:

324, 108, 36, 12, _____

(a) 16
(b) 8
(c) 4
(d) 2

Answer: (c)

26. Complete the series choosing the missing number:

1, 4, 9, 16, _____

(a) 25
(b) 44
(c) 23
(d) 32

Answer: (a)

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

Statements:

All papers are sheets

All sheets are books

Conclusions:

I. All papers are books

II. All books are papers

(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)

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

Statements:

All pillars are walls

All walls are houses

Conclusions:

I. All houses are pillars

II. All pillars are houses

(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)

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

Statements:

Some boys are screws

All screws are nuts

Conclusions:

I. Some boys are nuts

II. All nuts are boys

(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)

31. Who was the Chairman of the Partition Council?

(a) Lord Mountbatten
(b) Jawaharlal Nehru
(c) M.A. Jinnah
(d) V.P.Menon

Answer: (a)

32. Find the odd one out:

24, 33, 60, 71, 51, 15

(a) 15
(b) 71
(c) 33
(d) 60

Answer: (b)

33. 'Good Governance Day' is observed on the birthday of Indian's former prime minister _____.

(a) Lal Bahadur Shastri
(b) Indira Gandhi
(c) Atal Bihari Vajpayee
(d) Rajiv Gandhi

Answer: (c)

34. The Dibang Wildlife Sanctuary is located in the Indian State of

(a) Jammu & Kashmir
(b) Sikkim
(c) Arunachal Pradesh
(d) Odisha

Answer: (c)

35. The national park which was declared as a tiger reserve in 1983 is____National Park.

(a) Panpatha
(b) Sanjay Dubri
(c) Pench
(d) Kanha

Answer: (c)

39. A person eligible to become the president of India should not be less than

(a) 40 Years of age
(b) 35 Years of age
(c) 60 Years of age
(d) 50 Years of age

Answer: (b)

40. In a certain code jose mose kle means posh white car and mose sut feo means black or white .Which is the word for white in that language?

(a) jose

(b) feo

(c) mose

(d) sut

Answer: (c)

Mental Ability and Mental Aptitude

4. Rs. 750 are divided among A, B and C in such a manner that A : B = 5 : 2 and B : C = 7 : 13, What is A's share?

(a) Rs. 250

(b) Rs. 200

(c) Rs. 260

(d) Rs. 350

Answer: (d)

6. How many three digit numbers are divisible by 5?

(a) 100

(b) 180

(c) 175

(d) 10

Answer: (b)

8. The ratio of the present ages of a father and son is 9 : 4. After five years, the sum of their ages will be 75 years. What is the present age of the father?

(a) 45 years

(b) 40 years

(c) 30 years

(d) 35 years

Answer: (a)

9. 20% of a quantity is Rs. 400, the quantity equals:

(a) Rs. 200

(b) Rs. 2000

(c) Rs. 8000

(d) Rs. 800

Answer: (b)

10. A certain piece of work can be completed by 12 men in 9 days. After they have worked for six days, six more men joined them. How many days will it take to complete the remaining work?

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

Answer: (b)

11. A certain sum was divided among A, B and C in the ratio 5 : 7 : 6. If B received Rs. 4,500 more than C, find C's share.

(a) 30,000
(b) 25,000
(c) 27,000
(d) 23,000

Answer: (c)

12. A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is A?

(a) 12
(b) 10
(c) 18
(d) 15

Answer: (a)

13. A and B can together finish a work in 30 days. They worked at it for 20 days and then B left. The remaining work was done by A alone in 20 more days. B alone can do the entire work in

(a) 60 days
(b) 50 days
(c) 54 days
(d) 48 days

Answer: (a)

15. Speed of a boat in still water is 10 kmph, and speed of the stream is 5 Kmph. In how many minutes would the boat cover a distance of 5 km downstream?

(a) 20 minute
(b) 30 minute
(c) 40 minute
(d) 25 minute

Answer: (a)

16. The age of two persons differ by 2 years. If the sum of their ages is equal to the square root of 144 then find the age of the elder among the two person.

(a) 2
(b) 6
(c) 7
(d) 10

Answer: (c)

17. The age of A is six times the age of his son. A's father is 40 years older than him. Together, they are 118 years old. What is the age of A?

(a) 18 years
(b) 36 years
(c) 42 years
(d) 76 years

Answer: (b)

18. The average mark of 50 students is 75. If the marks obtained by one of the student had been written as 36 instead of 86, then the corrected average of marks is:

(a) 51
(b) 76
(c) 36
(d) 61

Answer: (b)

19. A group of 15 people has average age of 15 years. Two persons are excluded and the average of the remaining is increased by 5 years. What is the average age of the two persons who have been excluded? 15

(a) 20 years
(b) 12.5 years
(c) 15 years
(d) 10 years

Answer: (b)

20. In the world cup, Yuvraj has a batting average of 65 in 7 matches till semi-final. How much should Yuvraj score in the 8th match i.e. the final match to get a batting average of 85?

(a) 230
(b) 215
(c) 220
(d) 225

Answer: (d)

21. A train takes 8 sec to cross a 75 metre long platform at a speed of 90 km/h. What is the length of the train?

(a) 125 metre
(b) 150 metre
(c) 75 metre
(d) 100 metre

Answer: (a)

23. In what ratio must Rs. 50 per kg salt be mixed with Rs. 80 per kg salt to obtain a mixture worth of Rs. 60 per kg.

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

Answer: (b)

24. Find the sum of the given series:

3 + 9 + 27 + 81 + 243 + 729 + 2187 + 6561

(a) 9840
(b) 9855
(c) 7960
(d) 8892

Answer: (a)

25. Find the average.

62, 54, 44, 36, 28 & 22

(a) 43
(b) 39
(c) 40
(d) 41

Answer: (d)

26. In an examination, 36% of the students failed in English and 40% failed in Hindi. If 20% of the students failed in both subjects, then the pass percentage is

(a) 42%
(b) 44%
(c) 46%
(d) 40%

Answer: (b)

29. X sells his goods 20% cheaper than Y and 20% dearer than Z. How many % is Z's goods cheaper/dearer than Y's?

(a) 33.33%
(b) 50%
(c) 40%
(d) 42.5%

Answer: (a)

30. In 2004, a new shirt costs Rs. 250, while in 2005 it was Rs. 400. Calculate by how much percent has the cost of the shirt increased from 2004 to 2005?

(a) 60%
(b) 55%
(c) 90%
(d) 40%

Answer: (a)

Science and Simple Arithmetic

7. After 12 years, I shall be 3 times as old as I was 4 years ago. My present age is:

(a) 10 years
(b) 12 years
(c) 13 years
(d) 14 years

Answer: (b)

9. The smallest number by which 1100 must be multiplied so that the product becomes a perfect square is____.

(a) 11
(b) 5
(c) 2
(d) 10

Answer: (a)

11. What is the smallest number by which 3087 must be divided so that the quotient is a perfect cube?

(a) 3
(b) 21
(c) 7
(d) 9

Answer: (d)

12. Which method of purification of water does NOT kill germs?

(a) Boiling
(b) Filtration
(c) Distillation
(d) Chlorination

Answer: (b)

13. The most comfortable distance at which one can read with a normal eye is:

(a) 25 cm
(b) 20 cm
(c) 15 cm
(d) 10 cm

Answer: (a)

14. In anaerobic respiration if yeast is added to fruit juices, the sugar gets converted to which chemical substance?

(a) Citric acid
(b) Formic acid
(c) Lactic acid
(d) Alcohol

Answer: (d)

15. The important property of magnet which was exp .ed by navigators and travelers from the ancient times is:

(a) Repulsive property
(b) Induction property
(c) Directional property
(d) Attractive property

Answer: (c)

16. During Diwali, crackers are burst outside the building. We hear the sound a bit later after we see it bursting. This is because:

(a) Sound wave has same intensity but different frequency
(b) Light travels faster than sound
(c) Our ears take longer time to hear the sound
(d) Sound travels faster than light

Answer: (b)

18. Name the tissue which is not found in animal.

(a) Adipose tissue
(b) Meristematic tissue
(c) Dendrite
(d) Connective tissue

Answer: (b)

19. Choose the correct units of time in ascending order.

(a) Second, day, year, month, minutes, hour

(b) Second, hour, year, month, minutes, day

(c) Second, minutes, hour, day, month, year

(d) Second, day, month, year, minutes, hour

Answer: (c)

20. Cholera is caused by:

(a) Fungi

(b) Protozoa

(c) Viruses

(d) Bacteria

Answer: (d)

21. When sodium reacts with chlorine, sodium chloride is formed; the heat is _____ in the reaction.

(a) not exchanged

(b) decomposed

(c) evolved

(d) absorbed

Answer: (c)

22. What is the feed of broiler chickens?

(a) Protein rich with adequate quantity of fat an ufficient carbohydrates with vitamin rich supplement

(b) High quantity of mixed food grains

(c) Usually protein and fat laden components

(d) Vitamin rich supplementary food

Answer: (a)

23. Write the name of reptile with four chambered heart.

(a) Varanus

(b) Lizard

(c) Chameleon

(d) Crocodile

Answer: (d)

24. Heart, arteries and veins work together. It is an example of which level of organisation?

(a) Tissue

(b) Organ system

(c) Cell

(d) Organ

Answer: (b)

25. AIDS cannot be transmitted by _____.
    (a) sexual contact
    (b) hugs
    (c) breast feeding
    (d) blood transfusion

    Answer: (b)

26. The microorganism that acts as the fermenting agent in the conversion of sugar into alcohol is:
    (a) Lactobacillus
    (b) Rhizobium
    (c) Yeast
    (d) Penicillium

    Answer: (c)

27. ABCD is a rectangle. Its diagonals meet at O. If OA = 2x + 4 and OD = 3x + 1, then x is:
    (a) -1
    (b) -2
    (c) 2
    (d) 1

    Answer: (d)

28. Raj borrowed Rs. 5000 at 10% per annum on simple interest and lent the same amount at 15% per annum on compound interest. At the end of 2 years, he would:
    (a) Gain Rs. 612.50
    (b) Gain Rs. 621.50
    (c) Loss Rs. 612.50
    (d) Loss Rs. 621.50

    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	**(c)**	3	**(d)**	4	**(d)**	5	**(a)**	6	**(b)**	7	**(b)**	8	**(d)**	9	**(d)**		
10	**(b)**	11	**(c)**	12	**(b)**	13	**(d)**	14	**(c)**	15	**(c)**	17	**(d)**	18	**(d)**		
19	**(c)**	20	**(b)**	21	**(d)**	23	**(a)**	24	**(b)**	25	**(c)**	26	**(a)**	27	**(d)**		
28	**(c)**	30	**(d)**	31	**(a)**	32	**(b)**	33	**(c)**	34	**(c)**	35	**(c)**	39	**(b)**		
40	**(c)**																

Mental Ability and Mental Aptitude

4	**(d)**	6	**(b)**	8	**(a)**	9	**(b)**	10	**(b)**	11	**(c)**	12	**(a)**	13	**(a)**		
15	**(a)**	16	**(c)**	17	**(b)**	18	**(b)**	19	**(b)**	20	**(d)**	21	**(a)**	23	**(b)**		
24	**(a)**	25	**(d)**	26	**(b)**	29	**(a)**	30	**(a)**								

Science and Simple Arithmetic

7	**(b)**	9	**(a)**	11	**(d)**	12	**(b)**	13	**(a)**	14	**(d)**	15	**(c)**	16	**(b)**		
18	**(b)**	19	**(c)**	20	**(d)**	21	**(c)**	22	**(a)**	23	**(d)**	24	**(b)**	25	**(b)**		
26	**(c)**	27	**(d)**	28	**(a)**												