PREVIOUS YEAR PAPER

MP Police Constable 2017 — 23 August 2017, Shift 1

MP Police Constable · 23 August 2017 · 09:00 AM

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

Left out of the original paper: 24 (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 23 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-2017-23-aug-shift-1/

General Knowledge and Logical Knowledge

1. On which river is the Hirakud Dam built?
   (a) Krishna
   (b) Mahanadi
   (c) Kaveri
   (d) Naramada
   Answer: (b)

2. Who among the following presided over the historic Lahore session of INC ?
   (a) Jawaharlal Nehru
   (b) Motilal Nehru
   (c) Gandhiji
   (d) Mohammed Ali Jinnah
   Answer: (a)

3. Complete the series choosing the missing number:

1, 5, 11, 19, 29, ____
   (a) 42
   (b) 48
   (c) 41
   (d) 34
   Answer: (c)

5. Complete the series choosing the missing number:

1, 2, 6, 24, 120, ___
   (a) 230
   (b) 435
   (c) 720
   (d) 650
   Answer: (c)

6. If QUICK is coded SSMYQ, then how will CHICKEN be coded?

(a) EFNYQYV
(b) EFMXQYV
(c) EFMYOYV
(d) EFMYQYV

Answer: (d)

7. Which state in India has the lowest population?

(a) Mizoram
(b) Sikkim
(c) Meghalaya
(d) Tripura

Answer: (b)

8. Which city was the capital of India from 1772 to 1912?

(a) Calcutta
(b) Daulatabad
(c) Delhi
(d) Bombay

Answer: (a)

9. Which one of the following rivers flows between Satpura and Vidhya ranges

(a) Sabarmati
(b) Narmada
(c) Machi
(d) Tapi

Answer: (b)

10. The largest National Park in Madhya Pradesh is

(a) Sardarpur
(b) Sanjay Sagar
(c) Chambal
(d) Kanha

Answer: (d)

11. If the first day of the year (other than a leap year) was Monday, then which was the last day of the year?

(a) Tuesday
(b) Wednesday
(c) Monday
(d) Sunday

Answer: (c)

12. If MAHESH is coded NCIGTJ, then how is NEELAM coded?
    (a) OGFNBO
    (b) OGFNBN
    (c) OGGNCO
    (d) PFGMCN
    Answer: (a)

13. If MANAGER is coded NBOBHFS, then how is DIRECTOR coded?
    (a) EJSFDVPS
    (b) EJSGDUPS
    (c) EJSFDUPS
    (d) EJSFDUPT
    Answer: (c)

14. India Gate was built as a memorial to the soldiers of_____
    (a) Bangladesh War
    (b) World War II
    (c) World War I
    (d) Indo-Pak War 1965
    Answer: (c)

15. India's First satellite was named after _____.
    (a) Varahamihira
    (b) Ramanujam
    (c) Bhaskara
    (d) Aryabhatta
    Answer: (d)

16. Who was the first woman to win the Jnanpith Award?
    (a) Prathibha Ray
    (b) Ashapoorna Devi
    (c) Mahasweta Devi
    (d) Indira Goswami
    Answer: (b)

17. Against which dam was Narmada Bachao Andolan started?
    (a) Sardar Sarovar Dam
    (b) Bargi Dam
    (c) Tungabhadra Dam
    (d) Bhakra Nangal Dam
    Answer: (a)

18. In a certain code language don kon bon means he is bad, tak bon kon means he bad man and kon don fil means water is bad. Then in that code language the words for water man can be

(a) moka bon
(b) tak fil
(c) tak don
(d) fil kon

Answer: (b)

19. In a certain language hist men polt means my history book and polt hosg disa means history of India . Then in that language the word polt is used for:

(a) book
(b) India
(c) my
(d) history

Answer: (d)

20. The Kinnerasani Wildlife Sanctuary is located in

(a) Tamil Nadu
(b) Telangana
(c) Karnataka
(d) Kerala

Answer: (b)

21. A bag contains 5 red and 4 black balls. Four balls are drawn at random. In how many ways can we draw, so that there are exactly 2 red balls?

(a) 48
(b) 24
(c) 36
(d) 60

Answer: (d)

22. Find the next expression in the series:

ABA, ABBCA, ABBBCDA, _____?

(a) AABBBBBCA
(b) AABBBCDA
(c) ABBBBBCDA
(d) ABBBBCDEA

Answer: (d)

23. Find the odd one out:

3, 4, 6, 8, 12, 15, 24

(a) 24
(b) 15
(c) 8
(d) 3

Answer: (b)

25. Senior National Football Championship Santosh Trophy in 2017 was won by

(a) Goa
(b) Jharkhand
(c) West Bengal
(d) Kerala

Answer: (c)

26. According toIndia State of Forest Report – 2015, which State has highest forest cover in percentage terms?

(a) Arunachal Pradesh
(b) Mizoram
(c) Andhra Pradesh
(d) Madhya Pradesh

Answer: (b)

27. Which leader from Madhya Pradesh be[illegible] th[illegible]efence Minister first and later Home Minister in Nehru's cabinet?

(a) Shiv Bahadur Singh
(b) Ravi Shankar Shukla
(c) Kailash Nath Katju
(d) Shankar Dayal Sharma

Answer: (c)

28. The Khajuraho dance festival is held every year. This celebration is usually done in the month of

(a) December
(b) June
(c) September
(d) February

Answer: (d)

29. Panch Sheel agreement was announced by

(a) Sardar Vallabhai Patel
(b) Mahatma Gandhi
(c) Rajendra Prasad
(d) Jawaharlal Nehru

Answer: (d)

30. The Attorney –General of India is appointed by the
    (a) Chief Justice of Supreme Court
    (b) The Prime Minister
    (c) The President
    (d) The Vice-President
    Answer: (c)

31. The fifth Guru of the Sikhs was
    (a) Guru Gobind Singh
    (b) Guru Amar Das
    (c) Guru Angad Dev
    (d) Guru Arjan Dev
    Answer: (d)

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

ba__b__a__a__
    (a) a, a, a, b
    (b) a, a, b, a
    (c) a, b, a, a
    (d) b, a, a, a
    Answer: (b)

33. Ujjain was the capital of ancient Avanti and was ed by
    (a) Rana Pratap
    (b) King Ashoka
    (c) King Vikramaditya
    (d) Queen Durgavati
    Answer: (c)

34. Find the odd one out:
    (a) Uncle and Aunt
    (b) Sister and Brother
    (c) Grandfather and Grandson
    (d) Father-in-law and Son-in-law
    Answer: (a)

35. Complete the series choosing the missing number:

120, 60, 180, 45, 225, _____
    (a) None of the above
    (b) 405/6
    (c) 225/6
    (d) 198
    Answer: (c)

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

Statements:

Some flowers are garlands

Some garlands are trees

Conclusions:

I. Some trees are garlands

II. Some flowers are trees

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

Answer: (b)

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

Statements:

All cups are glasses

All glasses are plates

Conclusions:

I. All cups are plates

II. All plates are cups

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

Answer: (b)

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

Statements:

All hens are ducks

Some parrots are not hens

Conclusions:

I. All ducks are parrots

II. Some parrots are not ducks

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

Answer: (d)

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

Statements:

Some pens are pencils

Ruler is a pen

Conclusions:

I. Some pencils are pens

II. Some rulers are pencils

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

Answer: (b)

40. Who was the first woman governor of Uttar Pradesh?

(a) Shardha Mukherjee
(b) Sarojini Naidu
(c) Annie Besant
(d) Vijayalakshmi Pandit

Answer: (b)

Mental Ability and Mental Aptitude

4. What is the area of a rhombus whose side is 4.5 cm and diagonal is 5.4 cm?

(a) 12.96 sq cm
(b) 18.44 sq cm
(c) 19.44 sq cm
(d) 6.48 sq cm

Answer: (c)

5. The Average of 2 numbers is 24. If the first number is increased by 2 and the last number is decreased by 2. What is the new average of the two numbers?

(a) 24
(b) 23
(c) 20
(d) 22.5

Answer: (a)

7. A man swims downstream 12 kmph and upstream 4 kmph; his speed in still water is:

(a) 8 kmph
(b) 10 kmph
(c) 4 kmph
(d) 5 kmph

Answer: (a)

8. What is the time taken by a train of length 200 m cross a bridge of length 250 m, running at a speed of 45 m/s?

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

Answer: (a)

9. If sum of the digits of a number is 18 less than the number, then what is the digit in the tenth place of the number?

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

Answer: (b)

10. In an examination, 24 out of 80 students failed in English and 40 % of the students failed in Hindi, while 20 % of them failed in both the subjects. How many students cleared both the subjects successfully

(a) 48
(b) 40
(c) 50
(d) 32

Answer: (b)

11. If the average of 15 numbers is zero, then at least how many of them are positive?

(a) 7.5
(b) 1
(c) Zero
(d) 14

Answer: (b)

12. Carol, whose pocket money is 2/5 that of Brenda, says, 'The ratio of my pocket money to that of Alice is 4 : 13.' If the total pocket money they have is USD 81, how much does Brenda have?

(a) USD 12
(b) USD 30
(c) USD 34
(d) USD 39

Answer: (b)

14. There are two numbers, 3 and 12. Which number should be added to both these numbers in order to make them in the ratio of 2 : 5?

(a) 6
(b) 5
(c) 8
(d) 3

Answer: (d)

15. A sells a watch to B at a profit of 20% and B sells it to C at a loss of 10%. If C pays Rs. 432, how much did A pay for it?

(a) Rs. 500
(b) Rs. 400
(c) Rs. 200
(d) Rs. 300

Answer: (b)

16. The average weight of 24 students of section A of a class is 58 kg whereas the average weight of 26 students of section B of the same class is 60.5 kg. Find the average weight of all the 50 students of the class.

(a) 57.4 kg
(b) 59.7 kg
(c) 59.3 kg
(d) 58.9 kg

Answer: (c)

17. A cistern can be filled in 10 hours but due to a leak, it takes two more hours for the cistern to get filled. What is the time taken by the leak to empty a full cistern?

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

Answer: (c)

18. Difference between the ages of Arun and Varun differ by 16 years. Six years ago, Varun's age was thrice as that of Arun's. Find their present ages?

(a) 20, 36
(b) 14, 30
(c) 32, 48
(d) 12, 28

Answer: (b)

19. Any 6-digit number formed by repeating [illegible]ike 656656 or 486486 is always divisible by:

(a) 6
(b) 11
(c) 9
(d) 3

Answer: (b)

20. A can do a piece of work in 9 days and B in 18 days. They began the work together but 3 days before the completion of work A leaves. The time taken to complete the work is:

(a) 5 days
(b) 8 days
(c) 7 days
(d) 11 days

Answer: (b)

22. CANCELLED

In an election, contested by two candidates, 5% of the votes did not cast their votes. The winning candidate won by 4900 votes, securing 51% of the total votes. How many votes were cast for the winning candidate?

(a) 35,700
(b) 35,500
(c) 36,000
(d) 35,000

Answer: (a)

23. CANCELLED

Five years ago, the ratio of ages of P and Q was 3:2. Five years hence, the ratio of the ages of P and Q will be 6: 5. Find the ratio of the present age of P and Q.

(a) 9:7
(b) 6:5
(c) 1:2
(d) 7:9

Answer: (a)

25. Find the average.

17, 19, 25, 29, 33 & 27

(a) 29
(b) 25
(c) 31
(d) 24

Answer: (b)

26. If the length of a rectangle is increased by 5%, then its area will increase by:

(a) 10%
(b) 5%
(c) 7.5%
(d) 25%

Answer: (b)

27. If 2p - 5 = p + 7, then what is the value of p?

(a) None of the above
(b) 12
(c) 10
(d) 13

Answer: (b)

28. In a family of three members, three years ago, the average age was 22 years. Due to the birth of a new member, the average reduced to 19 years. Find the present age of the new born

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

Answer: (c)

29. A shirt costs Rs. 350. If the cost is increased by 10 %, then the new cost will be:

(a) Rs. 360
(b) Rs. 370
(c) Rs. 365
(d) Rs. 385

Answer: (d)

30. A train is running at a speed of 60 kmph and crosses a pole in12 sec. What is the length of the train?

(a) 175 m
(b) 200 m
(c) 150 m
(d) 125 m

Answer: (b)

Science and Simple Arithmetic

5. Birds like kites and eagles can see very well during day due to:

(a) Absence of cone cells as well as rod cells
(b) Equal number of cone cells and rod cells
(c) Large number of cone cells
(d) Large number of rod cells

Answer: (c)

6. ABC is a triangle inscribed in a circle with center O and if OAB = 30 and OCB = 40 , then ABC = ___.

(a) 40
(b) 60
(c) 70
(d) 30

Answer: (c)

7. A man invested Rs. 240000 in three parts. On one part he gains 10% and in the second part he invested 16000 more than the first part and lost 5%. On the third he gains 20%. On the whole he gets 9% gain. The ratio of invested parts are:

(a) 4 : 5 : 6
(b) 3 : 4 : 5
(c) 2 : 3 : 4
(d) 1 : 2 : 3

Answer: (a)

8. In a parallelogram ABCD, the bisectors of A and B meet at O. The measure of AOB is:

(a) 120
(b) 90
(c) 45
(d) 60

Answer: (b)

12. A water tank is 3 m long, 2 m broad and 1 m deep. How many litres of water can it hold?

(a) 60 liters
(b) 60000 liters
(c) 6000 liters
(d) 600 liters

Answer: (c)

17. The part which makes eggs is:

(a) Pistil
(b) Calyx
(c) Stamen
(d) Corolla

Answer: (a)

18. An uncontrolled nuclear chain reaction forms the basis of:

(a) Biogas plant
(b) Hydro electric power station
(c) Nuclear reactor
(d) Atom bomb

Answer: (d)

19. A man weighs 72 kg on the earth. His mass on the moon will be:

(a) 36 kg
(b) 12 kg
(c) 16 kg
(d) 72kg

Answer: (d)

24. Growth hormone is secreted by:
    (a) Liver gland
    (b) Pituitary gland
    (c) Thyroid gland
    (d) Adrenal gland
    Answer: (b)

25. River Yamuna is polluted near Delhi due to:
    (a) Water animals
    (b) Rivers joining it
    (c) Discharge of untreated sewage
    (d) Thermal plant on its bank
    Answer: (c)

26. Bone matrix is rich in:
    (a) Phosphorous and potassium
    (b) Calcium and phosphorous
    (c) Fluoride and calcium
    (d) Calcium and potassium
    Answer: (b)

27. A place where animals are protected in their natur abitat is called_____.
    (a) Garden
    (b) Cage
    (c) Zoo
    (d) Wild life sanctuary
    Answer: (d)

28. One natural phenomenon which cannot be predicted is:
    (a) Floods
    (b) Cyclonic storms
    (c) Rain
    (d) Earthquake
    Answer: (d)

29. The radiations absorbed by ozone are:
    (a) Gamma rays
    (b) X-rays
    (c) Infra red rays
    (d) Ultraviolet rays
    Answer: (d)

30. When metals react with acids they form corresponding salt and_____.

(a) chlorine

(b) oxygen

(c) hydrogen

(d) hydroxide

Answer: (c)

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	**(b)**	2	**(a)**	3	**(c)**	5	**(c)**	6	**(d)**	7	**(b)**
8	**(a)**	9	**(b)**	10	**(d)**	11	**(c)**	12	**(a)**	13	**(c)**
14	**(c)**	15	**(d)**	16	**(b)**	17	**(a)**	18	**(b)**	19	**(d)**
20	**(b)**	21	**(d)**	22	**(d)**	23	**(b)**	25	**(c)**	26	**(b)**
27	**(c)**	28	**(d)**	29	**(d)**	30	**(c)**	31	**(d)**	32	**(b)**
33	**(c)**	34	**(a)**	35	**(c)**	36	**(b)**	37	**(b)**	38	**(d)**
39	**(b)**	40	**(b)**								

Mental Ability and Mental Aptitude

4	**(c)**	5	**(a)**	7	**(a)**	8	**(a)**	9	**(b)**	10	**(b)**
11	**(b)**	12	**(b)**	14	**(d)**	15	**(b)**	16	**(c)**	17	**(c)**
18	**(b)**	19	**(b)**	20	**(b)**	22	**(a)**	23	**(a)**	25	**(b)**
26	**(b)**	27	**(b)**	28	**(c)**	29	**(d)**	30	**(b)**		

Science and Simple Arithmetic

5	**(c)**	6	**(c)**	7	**(a)**	8	**(b)**	12	**(c)**	17	**(a)**
18	**(d)**	19	**(d)**	24	**(b)**	25	**(c)**	26	**(b)**	27	**(d)**
28	**(d)**	29	**(d)**	30	**(c)**						