PREVIOUS YEAR PAPER

MP Police Constable 2016 — 6 August 2016, Shift 3

MP Police Constable · 6 August 2016 · 03:00 PM

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

Left out of the original paper: 37 (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 6 August 2016, 03:00 PM. 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-2016-6-aug-shift-3/

General and Logical Knowledge

1. India’s first Nobel prize for Physics was claimed in 1930 by ___.
   (a) Rabindranath Tagore
   (b) Venkatraman Ramakrishnan
   (c) Sir. C.V. Raman
   (d) Amartya Sen
   Answer: (c)

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

Statements:

Some donkeys are thieves.

No politicians are thieves.

Conclusions:

I. Not all thieves are donkeys

II. All thieves are donkeys
   (a) Only conclusion I follows
   (b) Only conclusion II follows
   (c) Both conclusion I and II follows
   (d) None of the conclusion I or II follows
   Answer: (d)

3. Name the rivers that originate in Maikal.
   (a) Narmada and Tapti
   (b) Son and Kayshypa
   (c) Narmada and Son
   (d) Kaveri and Sindhu
   Answer: (c)

4. Who is the author of 'Bindu-Bindu Vichar'?

(a) Harishankar Parsai
(b) Atal Bihari Vajpayee
(c) Amrit Rai
(d) Makhanlal Chaturvedi

Answer: (b)

5. What is the full form of IRDA?

(a) Insurance Regulatory and Development Authority
(b) Information Regulatory and Development Authority
(c) Information Requirements and Development Authority
(d) Insurance Renewal and Development Authority

Answer: (a)

6. If A+B means A is the brother of B, P/Q means p is the sister of Q, X∗Y means X is the son of Y What does P∗Q

(a) S is the aunt of P
(b) S is the sister of P
(c) S is the niece of P
(d) S is the mother of P

Answer: (a)

8. If A+B means A is the husband of B, A / B means / the sister of B, A∗B means A is the daughter of B. What does P+R

(a) Q is the sister – in – law of P
(b) Q is the daughter of P
(c) Q is the niece of P
(d) Q is the mother of P

Answer: (a)

9. The capital of Assam is_____.

(a) Guwaha
(b) Dispur
(c) Tezpur
(d) Silchar

Answer: (b)

11. “Kesari” was written by

(a) BL Tilak
(b) JL Nehru
(c) Bipin Chandra pal
(d) MG Ranade

Answer: (a)

13. ____ gave the title of 'Sardar' to Sardar Vallabhai Patel.
    (a) Mahatma Gandhi
    (b) Jawaharlal Nehru
    (c) Rabindranath Tagore
    (d) Bhagat Singh
    Answer: (a)

15. Which Indian Prime Minister is credited with the Economic Reforms of 1991?
    (a) Dr Manmohan Singh
    (b) Atal Bihari Vajpayee
    (c) PV Narasimha Rao
    (d) Charan Singh
    Answer: (c)

16. Which of the following can be used to browse Internet?
    (a) Google Chrome
    (b) Excel
    (c) Access
    (d) Outlook
    Answer: (a)

17. In a beach, Tina is walking with her children and th she met Samuel and Susan. Samuel introduces Susan to those children as "this person is e daughter of your mother's father's mother and is my sister. How is Samuel and Susan related t ina?
    (a) Brother, Sister
    (b) Uncle, Aunt
    (c) Cousin, Aunt
    (d) None of These
    Answer: (b)

18. The mother of Rajani is the only daughter of Nitu's father. How Nitu is related to Rajani?
    (a) Sister
    (b) Mother
    (c) Aunt
    (d) Can't determine
    Answer: (b)

19. The folklore of Dhola Maru, popular in Nimar oregionated in
    (a) Rajasthan
    (b) Gujarat
    (c) Chattisgarh
    (d) Madhya Pradesh
    Answer: (a)

21. If P+Q means P is the son of Q and Q+R means Q is the uncle of R, how P related to R?
    (a) P is the son of R
    (b) P is the uncle of R
    (c) P is the brother of R
    (d) P is the cousin of R

    Answer: (d)

22. The first Indian to reach World No. 1 ranking in women's doubles tennis is
    (a) Sania Mirza
    (b) Ankita Raina
    (c) Nirupama Mankad
    (d) Rushmi Chakravarthi

    Answer: (a)

23. Who among the following is authorised to declare elections of the Lok Sabha?
    (a) President
    (b) Prime Minister
    (c) Union Cabinet
    (d) Election Commissioner

    Answer: (a)

24. Choose the CORRECT pair
    (a) Chachai - Mahi
    (b) Keoti - Bihand
    (c) Odda – Chambal
    (d) Apsara - Panchmarhi

    Answer: (d)

25. Which mathematician made the approximation of 'pi'?
    (a) Bhaskara I
    (b) Shankarnarayana
    (c) Aryabhatta
    (d) Nilakantha

    Answer: (c)

26. Which city hosts the 'Simhastha Kumbh'?
    (a) Indore
    (b) Ujjain
    (c) Bhojpur
    (d) Orchha

    Answer: (b)

27. In a special lecture series assignment, three teams of professors are to be made. Each team will consist of two of the professors - G, H, I, K, L, M. Each professor will be on exactly one team. Each team is assigned to exactly one of the three seminar halls in the university: Hall 1, Hall 2, and Hall 3. Professors I, L, M have specialization in Economics while G, H, and K do not have it. G,H and I each have been with the university for at least three years while K, L, M have not been so. While assigning duties the following conditions are to be observed.

Each team must include at least one specialist in Economics.

Each team must include at least one professor who has been with the university for at least three years.

Professor G must take his lecture either in Seminar hall 1 or Seminar hall 2.

Which of the following could be M's partner?

(a) L and K
(b) G and H
(c) L
(d) G

Answer: (b)

28. Which Article deals with the special status given to Jammu & Kashmir?

(a) Article 356
(b) Article 368
(c) Article 372
(d) Article 370

Answer: (d)

29. The Arjuna Awards were instituted in the year _____

(a) 1965
(b) 1963
(c) 1961
(d) 1957

Answer: (c)

31. In the class of 40 students if Sanju is at the 30th place from one end what is his position from the other end?

(a) 9th
(b) 12th
(c) 10th
(d) 11th

Answer: (d)

32. Vitamin C is also known as ____.
    (a) Nitric acid
    (b) Phosphoric acid
    (c) Boric acid
    (d) Ascorbic acid
    Answer: (d)

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

Statements:

Some chicken are not oranges.

All chicken are donkeys.

Conclusions:

I. Some donkeys are not oranges.

II. All donkeys are chicken.
    (a) Only conclusion I follows
    (b) Only conclusion II follows
    (c) Both conclusion I and II follows
    (d) None of the conclusion I or II follows
    Answer: (a)

35. Who founded the city of Amritsar?
    (a) Guru Ramdas
    (b) Guru Amardas
    (c) Guru Arjun Dev
    (d) Guru Nanak
    Answer: (a)

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

Statements:

No lemons are rat.

No jackals are lemon

Conclusions:

I. All jackals are rat.

II. Some lemon are rat.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusion I and II follows
(d) None of the conclusion I or II follows

Answer: (d)

Mental Ability and Mental Aptitude

1. Complete the series choosing the missing number:

1, 64, 343, 1000, _____

(a) 6391
(b) 2197
(c) 4739
(d) None

Answer: (b)

2. A train 175 m long running with a speed of 63 km

(a) 10 sec
(b) 12sec
(c) 8 sec
(d) 6 sec

Answer: (a)

3. In a certain code, 5268 is the code for DMPN and 13479 is the code for AQFJL. What does 396824 represent in the code?

(a) QLPNMF
(b) QLPNDF
(c) QLPNKJ
(d) QLPMNF

Answer: (a)

5. The below series uses a sequence of alphabets and numbers. Identify the incorrect combination.

(i) NQN678MM9

(ii) NQN578MM9

(iii) NQN678MM9

(iv) NQN678MM9

(a) i
(b) ii
(c) iii
(d) iv

Answer: (b)

6. The rain coat was marked price of 250 & was sold at 225. What is its discount?

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

Answer: (d)

7. A train speeds post a pole in 15sec and a pla orm 1 long in 25sec. Its length is

(a) 210 m
(b) 230 m
(c) 250 m
(d) 270 m

Answer: (d)

8. A person buys goods for Rs. 6000. He gets a discount of 10% and pays sales tax 6%. Find the amount he will have to pay for the goods?

(a) Rs. 5740
(b) Rs. 5780
(c) Rs. 5700
(d) Rs. 5760

Answer: (d)

10. If 3:m::m:27, then what is the value of m?

(a) 12
(b) 10
(c) 7
(d) 9

Answer: (d)

12. What is the average of 1, 2,3,4,5 and 6?

(a) 73.5
(b) 73
(c) 74.5
(d) 74

Answer: (a)

13. In the following question, one term in the number series is wrong. Find out the wrong term.

(a) 72
(b) 212
(c) 142
(d) 312

Answer: (c)

14. The sum of two numbers is 30 and the difference is 8. What is the value of the larger number of the two?

(a) 19
(b) 15
(c) 11
(d) 10

Answer: (a)

17. If 15C3r = 15Cr+3 then r =?

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

Answer: (b)

18. What will be the next term in the series?

YEP, XFQ, WGR, VHS,_____

(a) UJT
(b) TJT
(c) UIT
(d) UIY

Answer: (c)

20. In a certain code language COLUMN is coded as DPMVNO then in that language BRACKET is coded as:

(a) CSBDJFU
(b) CSBDLFU
(c) CSBDLFV
(d) CSBDLFS

Answer: (b)

21. Complete the series choosing the missing number:

11, 13, 17, 19, ____, 25, 29

(a) 23
(b) 20
(c) 16
(d) 25

Answer: (a)

27. In a class, 25% of the students selected English, 20%, selected Hindi and 10% selected both as electives. If a student is selected at random, what is the probability that he selected either English or Hindi?

(a) 9/20
(b) 1/2
(c) 7/20
(d) 1/4

Answer: (c)

28. The value of 3x+5y=200, 3x-5y=100 is

(a) 40,10
(b) 50,10
(c) 1,1
(d) 1,0

Answer: (b)

29. A tap can fill a tank in 8 hrs. After half the tank is filled, three more similar taps are opened. What is the total time taken to fill the tank completely?

(a) 5 hrs
(b) 6 hrs
(c) 4 hrs
(d) 3 hrs

Answer: (a)

30. The average age of the 27 girls in a class is 13. The teacher is 41 years old. What is the average age including the teacher?

(a) 27
(b) 14
(c) 20
(d) 34

Answer: (b)

Science and Simple Arithmetic

2. Choose the correct device and what it measures.
   (a) Odometer: speed of the vehicle.
   (b) Speedometer: distance travelled.
   (c) Odometer: distance travelled.
   (d) Speedometer: time for which the vehicle runs.
   Answer: (c)

3. Find the square of 1299.
   (a) 1585301
   (b) 1684701
   (c) 1685401
   (d) 1687401
   Answer: (d)

4. If A's salary is 24% less than B's salary, by how much percent is B's salary more than A's?
   (a) 6/19
   (b) 24/16
   (c) 42/76
   (d) 12/36
   Answer: (a)

5. The locus of a point equidistant from 2 parallel line and 'm' is _____.
   (a) a straight line perpendicular to both 'l' and 'm
   (b) a straight line lying midway between 'l' and and parallel to both 'l' and 'm'
   (c) a straight line passing through 'l' an ng an angle of 600 with them
   (d) a circle which has 2 secants 'l' and 'm'
   Answer: (b)

7. If 15% of x is the same as 20 % of y, then x : y is:
   (a) 4:3
   (b) 17 : 16
   (c) 16 : 17
   (d) 3 : 4.
   Answer: (a)

11. Yeasts & moulds are examples of
   (a) Bacteria
   (b) Fungi
   (c) Algae
   (d) Protozoa
   Answer: (b)

13. Why do frogs, fishes etc lay thousands of eggs?
    (a) Only a few get a chance for fertilization and survival
    (b) To provide food for other animals
    (c) Parents eat the excess eggs for nourishment
    (d) To produce many young ones

    Answer: (a)

14. Salted and dried fish stay longer without spoiling. Give reason
    (a) Salt kill bacteria and prevent spoilage
    (b) Sunlight kill microbes and salt adds taste
    (c) Salt removes water from cells and sunlight makes it dry
    (d) Salt cover the fish and sunlight cooks it naturally

    Answer: (c)

15. There are two circles both of radius 5 cm, one with centre (0, 0) and the other one with center (1, 5). The area of both the circle are in the ra o _____
    (a) 1:1
    (b) 1:2
    (c) 1:5
    (d) 1:4

    Answer: (a)

16. Clarified water in waste water treatment refers to ter
    (a) After removal of sludge and floatable solids
    (b) Without floatable solids
    (c) After removal of grit and sand
    (d) With chlorine tablets

    Answer: (a)

19. Which type of soil is best suited for cultivation?
    (a) Sandy soil
    (b) Clayey soil
    (c) Loamy soil
    (d) Silt

    Answer: (c)

23. Breakdown of food in the cell to release energy is
    (a) Inhalation
    (b) Exhalation
    (c) Cellular respiration
    (d) External respiration

    Answer: (c)

27. Loudness of sound coming from normal breathing is
    (a) 80 decibels
    (b) 60 decibels
    (c) 30 decibels
    (d) 10 decibels
    Answer: (d)

28. Increased concentration of Carbon dioxide in the atmosphere leads to
    (a) Deforestation
    (b) Breathing problems like Asthma.
    (c) Presence of Carbon particles in the atmosphere.
    (d) Global warming.
    Answer: (d)

30. In plants water is transported through
    (a) Xylem
    (b) Root hair
    (c) Phloem
    (d) Stomata
    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 and Logical Knowledge

1	**(c)**	2	**(d)**	3	**(c)**	4	**(b)**	5	**(a)**	6	**(a)**
8	**(a)**	9	**(b)**	11	**(a)**	13	**(a)**	15	**(c)**	16	**(a)**
17	**(b)**	18	**(b)**	19	**(a)**	21	**(d)**	22	**(a)**	23	**(a)**
24	**(d)**	25	**(c)**	26	**(b)**	27	**(b)**	28	**(d)**	29	**(c)**
31	**(d)**	32	**(d)**	34	**(a)**	35	**(a)**	38	**(d)**		

Mental Ability and Mental Aptitude

1	**(b)**	2	**(a)**	3	**(a)**	5	**(b)**	6	**(d)**	7	**(d)**
8	**(d)**	10	**(d)**	12	**(a)**	13	**(c)**	14	**(a)**	17	**(b)**
18	**(c)**	20	**(b)**	21	**(a)**	27	**(c)**	28	**(b)**	29	**(a)**
30	**(b)**										

Science and Simple Arithmetic

2	**(c)**	3	**(d)**	4	**(a)**	5	**(b)**	7	**(a)**	11	**(b)**
13	**(a)**	14	**(c)**	15	**(a)**	16	**(a)**	19	**(c)**	23	**(c)**
27	**(d)**	28	**(d)**	30	**(a)**						