PREVIOUS YEAR PAPER

MP Police Constable 2017 — 24 August 2017, Shift 2

MP Police Constable · 24 August 2017 · 03:00 PM

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

Left out of the original paper: 30 (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, 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-2017-24-aug-shift-2/

General Knowledge and Logical Knowledge

1. Good Governance Day is observed to mark the birthday of _____.

(a) Narendra Modi
(b) Atal Bihari Vajpayee
(c) Jawaharlal Nehru
(d) Sarvepalli Radhakrishnan

Answer: (b)

3. The present chief minister of Goa is_____.

(a) Laxmikant Parsekar
(b) Digmbar Kamat
(c) Manohar Parikkar
(d) Devendra Fadnavis

Answer: (c)

4. Which among the following awards is given to sportspersons by the Government of Madhya Pradesh?

(a) Vikram Award
(b) Laxman Award
(c) Dronacharya Award
(d) Arjuna Award

Answer: (a)

5. Which of the following Union Territories has a Chief Minister?

(a) Dadra and Nagar Haveli
(b) Andaman and Nicobar Islands
(c) Puducherry
(d) Chandigarh

Answer: (c)

6. Which is the longest tributary river in India?

(a) Beas
(b) Ganges
(c) Ravi
(d) Yamuna

Answer: (d)

7. _____ became the first judge of a High Court to be held guilty of Contempt of Court by the Supreme Court.

(a) Justice CS Karnan
(b) Justice Gautam Patel
(c) Justice P Dinakaran
(d) Justice Kanade

Answer: (a)

8. _____ is the state animal of Madhya Pradesh.

(a) Sambar
(b) Indian gaur
(c) Swamp deer
(d) Barking deer

Answer: (c)

9. The Non-Cooperation Movement was called off d .o _____.

(a) Gandhi-Irwin Pact
(b) Jallianwalla Bagh Tragedy
(c) Poona Pact
(d) Chauri Chaura Incident

Answer: (d)

10. The colours of our national flag from the top are in the order of :

(a) India green, white and India saffron
(b) India Saffron, India green and white
(c) India Saffron, white and India green
(d) White, India green and India saffron

Answer: (c)

11. If FRIEND is coded HUMJTK, then how is CANDLE coded?

(a) DEQJQM
(b) ESJFME
(c) DCQHQK
(d) EDRIRL

Answer: (d)

12. Who is India's first para-athlete to be conferred the Khel Ratna?

(a) MariyappanThangavelu
(b) Deepa Malik
(c) Amit Kumar Saroha
(d) Devendra Jhajharia

Answer: (d)

13. Who has been recommended by Justice JS Khehar to succeed him as the 45th Chief Justice of India?

(a) Justice Dipak Misra
(b) Justice RanjanGogoi
(c) Justice DY Chandrachud
(d) Justice UU Lalit

Answer: (a)

14. Who is the Chairperson of TATA Sons?

(a) Vishal Sikka
(b) Ratan Tata
(c) Cyrus Mistry
(d) N Chandrashekharan

Answer: (d)

15. Gyandoot, an e-governance project was started in which of the following states?

(a) Assam
(b) Maharashtra
(c) Madhya Pradesh
(d) Bihar

Answer: (c)

16. Find the odd one out:

(a) 37
(b) 49
(c) 45
(d) 65

Answer: (b)

17. Find the odd one out:

(a) truck
(b) car
(c) bus
(d) bicycle

Answer: (d)

21. Who is the Union Minister for Law and Justice?
    (a) Nirmala Sitharaman
    (b) Jitendra Singh
    (c) Chaudhary Birender Singh
    (d) Ravi Shankar Prasad
    Answer: (d)

22. 'Eden Gardens' in Kolkata is a _____ stadium
    (a) Golf
    (b) Polo
    (c) Cricket
    (d) Hockey
    Answer: (c)

23. Rajawada palace is located in _____.
    (a) Gwalior
    (b) Ujjain
    (c) Ratlam
    (d) Indore
    Answer: (d)

24. A Government Bank Note Press in located in whic[illegible] the following places in Madhya Pradesh?
    (a) Jhabhua
    (b) Jabalpur
    (c) Dewas
    (d) Rewa
    Answer: (c)

25. Abhinav Bharat was founded by?
    (a) Taraknath Bose
    (b) Ras Behari Bose
    (c) Chandrashekar Azad
    (d) V D Savarkar
    Answer: (d)

26. Complete the series choosing the missing number:

3, 7, 12, _____, 25
    (a) 16
    (b) 14
    (c) 15
    (d) 18
    Answer: (d)

27. Complete the series choosing the missing number:

2, 5, 11, _____, 47

(a) 20
(b) 23
(c) 21
(d) 22

Answer: (b)

28. Complete the series choosing the missing number:

3, 7, 15, _____, 63

(a) 19
(b) 31
(c) 27
(d) 35

Answer: (b)

29. Of the five clubs, P is bigger than S, H is bigger than N, J is not as big as H but bigger than S, S is smaller than N but bigger than H. Which is the smallest?

(a) P
(b) H
(c) S
(d) N

Answer: (b)

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

Statements:

Some girls are rivers

Some rivers are plants

Conclusions:

I. Some girls are plants

II. Some rivers are girls

(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: (a)

37. IfINSERT is coded JOTFSU, then how is PENETRATE coded?

(a) QFOFUSBUF
(b) QFOFUSBUG
(c) QFOFVSBUF
(d) QFMFUSBUF

Answer: (a)

39. In a certain code language, ako urep means life sentence, atem asil means lived long, anod asil urep means life lived well. Which is the word for well in that code language?

(a) anod
(b) ako
(c) urep
(d) asil

Answer: (a)

40. The author of 'Arthashastra' was:

(a) Kalidasa
(b) Bhavabhuti
(c) Kautilya
(d) None of the above

Answer: (c)

Mental Ability and Mental Aptitude

4. When asked about his age, a person rep[illegible] "hi[illegible]ge is the sum of the first 15 natural numbers". What is the age of this person?

(a) 120
(b) 50
(c) 150
(d) 100

Answer: (a)

5. The average of three consecutive even numbers is 10 more than the one third of the first of these even numbers. Find the largest of these numbers.

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

Answer: (a)

7. Six men can complete a job in two days. Four boys can complete the same job in eight days. In how many days would three men and six boys, working together, be able to complete the job?

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

Answer: (b)

8. If a sum of Rs. 3540 is divided in three parts in a ra o of 2 : 6 : 7, then the largest part will be:

(a) Rs. 1652
(b) Rs. 1416
(c) Rs. 944
(d) Rs. 472

Answer: (a)

9. A number consists of two digits and their sum is 5. If 27 is added to the number, then the digits are reversed. Find the number.

(a) 32
(b) 23
(c) 5
(d) 14

Answer: (d)

10. The average marks obtained by 200 students ar 25. Find the total marks.

(a) 2500
(b) 25000
(c) 125000
(d) 12500

Answer: (b)

12. A train 150 m long travelling at 90 kmph would take how much me to cross a pole of zero width?

(a) 16 secs
(b) 25 mins
(c) 6 secs
(d) 8 mins

Answer: (c)

13. A man bought eggs at Rs. 9.60 per dozen. At what price per hundred must he sell them so as to earn a profit of 15 %?

(a) Rs. 90
(b) Rs. 100
(c) Rs. 92
(d) Rs. 110

Answer: (c)

14. What is the total length of the pole, if one-third of its length is under the ground; one-fourth of its length is submerged in water, and the remaining length of 5 m is seen above water?

(a) 9 m
(b) 8 m
(c) 12 m
(d) 10 m

Answer: (c)

15. If a person travels 9 km in one hour, in how many hours will he complete a journey of 243 km?

(a) 15 hours
(b) 18 hours
(c) 24 hours
(d) 27 hours

Answer: (d)

17. Clara is 14 years old. Two years back, her mother Jude was thrice her age. When Jude got married 16 years back, the ra o of her age to that of her husband Ma was 11 : 13. How old is Ma ?

(a) 38
(b) 40
(c) 42
(d) 36

Answer: (c)

18. A shopkeeper blends two varieties of tea, pricer Rs. 18 and Rs. 13 per kilogram, respectively in the ratio of 6 : 4. If he sells the blended ariety f Rs. 20 per kilogram, then what is the percentage profit in the transaction?

(a) 20 %
(b) 30 %
(c) 25 %
(d) 35 %

Answer: (c)

20. Four years ago, Ram was two times as old as Shyam. Six years later from now, Ram will be only 1.5 times as old as Shyam. The present age of Ram and Shyam respectively will be:

(a) 20 and 16
(b) 24 and 14
(c) 26 and 15
(d) 30 and 17

Answer: (b)

21. A is thrice as good a workman as B and together they finish a work in 18 days. In how many days will A alone finish the work?

(a) 24 days
(b) 20 days
(c) 18 days
(d) 26 days

Answer: (a)

22. A is twice as fast as B, and B is thrice as fast as C. The journey covered by C in 54 min will be covered by B in _____.

(a) 18 min
(b) 27 min
(c) 9 min
(d) 36 min

Answer: (a)

24. At present, the ratio between the ages of Jegan and Bala is 4 : 5. After 8 years, Jegan's age will be 28 years. What is the age of Bala at present?

(a) 30 years
(b) 35 years
(c) 25 years
(d) 20 years

Answer: (c)

25. The value of 56a4b3c by 7abc is:

(a) 7a2b2
(b) 3ab
(c) 8a3b2
(d) 1

Answer: (c)

26. Three science classes: A, B and C take an Biology test.

The average score in class A is 84.

The average score in class B is 77.

The average score in class C is 86.

The average score of all students in class A and B is 80.

The average score of all students in class B and C is 82.

What is the average for all the three classes?

(a) 83
(b) 81.5
(c) 81
(d) 82.5

Answer: (d)

27. The height of a room is 1/5 of the sum of its length and breadth. If the cost of papering it walls is Rs. 640, at Rs. 4.00 per square metre, what is the height of the room?

(a) 4 m
(b) 3 m
(c) 2 m
(d) 6 m

Answer: (a)

29. Find the average.

66, 8, 9, 57, 23 & 53

(a) 31
(b) 33
(c) 39
(d) 36

Answer: (d)

30. A programmer spent 1/6th of his time on planning, 3/8th of his time on coding activity,

1/3rd of the total time on debugging and the rest of his time on documentation. This is the schedule that he follows for the first quarter of the year. What is the ratio of the time spent by him in planning vs. the time spent by him on documentation?

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

Answer: (c)

Science and Simple Arithmetic

5. If each edge of a cube is increased by 50%, then the percentage increase in its surface area is:

(a) 125%
(b) 150%
(c) 100%
(d) 50%

Answer: (a)

6. Find the single discount that is equivalent to a series of discounts of 20%, 10% and 5%?

(a) 31.6%
(b) 32.4%
(c) 35%
(d) 25%

Answer: (a)

7. A second-hand car was purchased 3 years ago for Rs. 62500 and now its depreciation value is Rs. 32000. At what rate percentage per annum is it depreciating?

(a) 20%
(b) 22.5%
(c) 22%
(d) 18%

Answer: (a)

8. Consider the class intervals 1-10, 11-20, 21-30,... ere what is the class boundary of class interval 21-30?

(a) 20.5, 30.5
(b) 20, 31
(c) 20, 30
(d) 21, 30

Answer: (a)

11. Vision is not possible at the junction of the optic nerve and the retina, where there are no sensory cells. This junction is called_____.

(a) cones
(b) blind spot
(c) rods
(d) cornea

Answer: (b)

12. The cells of the epithelial tissue have no inter cellular space because they:
    (a) Tend to peel off
    (b) Prevent loss of water
    (c) Have protective function
    (d) Have secretory function

    Answer: (c)

13. Plant cell wall is made up of:
    (a) Cellulose
    (b) Protein
    (c) Chitin
    (d) Keratin

    Answer: (a)

14. Which of the following is a non-living part of the cell?
    (a) Nucleus
    (b) Cell wall
    (c) Protoplasm
    (d) Plasma membrane

    Answer: (b)

15. What are the common fishes selected for pond cu e systems?
    (a) Sharks and rays
    (b) Sardines and mackerels
    (c) Mullets, bhetki and pearl spots
    (d) Catlas, rohu, mrigals, common carps and g ass carps

    Answer: (d)

17. When dough is pressed with a rolling pin, a force is applied that changes its____.
    (a) direction
    (b) size
    (c) shape
    (d) speed

    Answer: (c)

18. One of the following is an example of crop. Identify the same.
    (a) Plants in the rose
    (b) Many wheat plants grown in the field
    (c) Plants in the kitchen garden
    (d) Plants in the terrace garden

    Answer: (b)

19. Ram spent Rs. 564 to buy pens and pencils. If each pen costs Rs. 7 and each pencil Rs. 3, and if the total number of pens and pencils bought was 108, how many pens did he buy?

(a) 65
(b) 48
(c) 60
(d) 30

Answer: (c)

22. Asexual reproduction takes place through budding in:

(a) Planaria
(b) Hydra
(c) Amoeba
(d) Spirogyra

Answer: (b)

23. What is the number whose cube is -1331?

(a) -11
(b) 11
(c) 13
(d) -13

Answer: (a)

24. A solar water heater cannot be used to get hot w r on a _____.

(a) hot day
(b) sunny day
(c) windy day
(d) cloudy day

Answer: (d)

25. After completing the gold foil experiment, Rutherford concluded that the size of the nucleus is very small compared to the size of the atom. This is because:

(a) One out of every 12000 alpha particles deflected back after hitting the gold foil
(b) Most of the alpha particles deflected back after hitting the gold foil
(c) Some alpha particles were deflected by small angles
(d) Very few of the alpha particles passed through the gold foil

Answer: (a)

26. Groundnut, the most important oil seeds of India is a _____.

(a) weed plant
(b) cereal crop
(c) leguminous plant
(d) plantation crop

Answer: (c)

27. Akhil wrapped himself with a few layers of cloth on a cold winter night. This helped him to keep himself warm because:

(a) Friction between the layers of cloth produces heat.

(b) Air trapped between the layers of cloth is a bad conductor of heat.

(c) Cloth is at a higher temperature than the temperature of the surrounding.

(d) Cloth is a conductor of heat.

Answer: (b)

29. When an electric current passes through a solenoid, it acts as a/an_____.

(a) electric bell

(b) bar magnet

(c) resistor

(d) insulator

Answer: (b)

30. The following set of apparatus is used to separate components of a mixture. Identify the process used for separation.

Round bottomed Flask, Water Condenser, Burner, One holed cork and Thermometer

(a) Chromatography

(b) Fractional distillation

(c) Simple distillation

(d) Decantation

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)**	3	**(c)**	4	**(a)**	5	**(c)**	6	**(d)**	7	**(a)**
8	**(c)**	9	**(d)**	10	**(c)**	11	**(d)**	12	**(d)**	13	**(a)**
14	**(d)**	15	**(c)**	16	**(b)**	17	**(d)**	21	**(d)**	22	**(c)**
23	**(d)**	24	**(c)**	25	**(d)**	26	**(d)**	27	**(b)**	28	**(b)**
29	**(b)**	30	**(a)**	37	**(a)**	39	**(a)**	40	**(c)**		

Mental Ability and Mental Aptitude

4	**(a)**	5	**(a)**	7	**(b)**	8	**(a)**	9	**(d)**	10	**(b)**
12	**(c)**	13	**(c)**	14	**(c)**	15	**(d)**	17	**(c)**	18	**(c)**
20	**(b)**	21	**(a)**	22	**(a)**	24	**(c)**	25	**(c)**	26	**(d)**
27	**(a)**	29	**(d)**	30	**(c)**						

Science and Simple Arithmetic

5	**(a)**	6	**(a)**	7	**(a)**	8	**(a)**	11	**(b)**	12	**(c)**
13	**(a)**	14	**(b)**	15	**(d)**	17	**(c)**	18	**(b)**	19	**(c)**
22	**(b)**	23	**(a)**	24	**(d)**	25	**(a)**	26	**(c)**	27	**(b)**
29	**(b)**	30	**(c)**								