PREVIOUS YEAR PAPER

MP Police Constable 2017 — 16 September 2017, Shift 1

MP Police Constable · 16 September 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 16 September 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-2017-16-sep-shift-1/

General Knowledge and Logical Knowledge

2. Which railway station has the most number of platforms in India?
   (a) Sealdah
   (b) New Delhi
   (c) Howrah
   (d) Chhatrapati Shivaji Terminus
   Answer: (c)

3. Which was the first Indian silent film?
   (a) Alam Ara
   (b) Aag
   (c) Raja Harishchandra
   (d) Bandini
   Answer: (c)

4. Which of these National Parks is located in Manipur?
   (a) Corbett National Park
   (b) Kuno National Park
   (c) Keibul Lamjao National Park
   (d) Simlipal National Park
   Answer: (c)

5. Which one of the following is known as the 'Pearl City'?
   (a) Kochi
   (b) Panaji
   (c) Kandla
   (d) Hyderabad
   Answer: (d)

6. Which is the longest bridge over water in India?
   (a) Bhupen Hazarika bridge
   (b) Bandra-Worli Sea Link
   (c) Nehru Setu
   (d) Vikramshila Setu
   Answer: (a)

7. Malanpur Industrial Area is in
   (a) Gwalior
   (b) Morena
   (c) Shivpuri
   (d) Bhind
   Answer: (d)

8. Ghatigaon Wildlife Sanctuary is located near which district of Madhya Pradesh?
   (a) Gwalior
   (b) Jhabua
   (c) Bhopal
   (d) Alirajpur
   Answer: (a)

9. Where is the headquarters of the West Central Rail / Zone located?
   (a) Bilaspur
   (b) Jabalpur
   (c) Hajipur
   (d) Allahabad
   Answer: (b)

10. In which city will you find the Victoria Memorial?
   (a) Kolkata
   (b) Chennai
   (c) Mumbai
   (d) Indore
   Answer: (a)

12. The river that is called " Daughter of Lord Shiva"
   (a) Ganga
   (b) Son
   (c) Narmada
   (d) Yamuna
   Answer: (c)

13. Who is the current Chief Election Commissioner of India?

(a) Achal Kumar Jyoti
(b) V.S. Sampath
(c) Nasim Zaidi
(d) Harishankar Brahma

Answer: (a)

14. Who established the original Archaeological Museum on the hilltop of Sanchi?

(a) Marshall Durand
(b) Charles Correa
(c) Sir John Marshall
(d) Sir Thomas Roe

Answer: (c)

15. Find the odd one out:

6, 12, 18, 25, 30

(a) 30
(b) 18
(c) 25
(d) 12

Answer: (c)

17. In a certain language dum dam domn means white sweet sugar and bamn samn domn means shirt was white . Then in that language the word dam is used for:

(a) sweet
(b) white
(c) sugar
(d) shirt

Answer: (b)

18. If REMOTE is coded EROMET, then how is COMPUTER coded?

(a) OCPTMUER
(b) OCPMTURE
(c) COPMUTRE
(d) OCMPTUER

Answer: (b)

22. Complete the series choosing the missing number:

2, 6, 12, 20, ____

(a) 25
(b) 28
(c) 30
(d) 35

Answer: (c)

23. Complete the series choosing the missing number:

15, 20, 30, ____

(a) 45
(b) 50
(c) 40
(d) 35

Answer: (a)

24. Complete the series choosing the missing number:

3, 5, 9, 17, 33, _____

(a) 52
(b) 65
(c) 48
(d) 60

Answer: (b)

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

Statements:

Some fruits are not grapes

Some vegetables are not fruits

Conclusions:

I. Some vegetables are grapes

II. Some fruits are vegetables

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

Answer: (b)

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

Statements:

All photos are albums

All albums are laminations

Conclusions:

I. All photos are laminations

II. All laminations are photos

(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)

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

Statements:

All floppies are CDs

Some DVDs are floppies

Conclusions:

I. Some DVDs are CDs

II. Some DVDs are not CDs

(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)

28. Who was the founder of Forward Bloc?

(a) Shyama Prasad Mukherjee
(b) Vallabhbhai Patel
(c) Subhash Chandra Bose
(d) Surendanath Banerjee

Answer: (c)

31. If HUNTER is coded GTMSDQ, then how will NILESH be coded?

(a) MKHGRF
(b) KHFRGM
(c) GRFKHM
(d) MHKDRG

Answer: (d)

32. Selection Committee for Dronacharya Awards in 2016 was headed by_____.

(a) Mary Kom
(b) Pullela Gopichand
(c) Rajiv Yadav
(d) Kapil Dev

Answer: (a)

33. If MUMBAI is coded NVNCBJ, then how is AMRAVATI coded?

(a) BNSBWBUJ
(b) BNSBUBUJ
(c) BMSBUBVJ
(d) BMSBWBUJ

Answer: (a)

34. The Indians who were conferred with the Ramon [illegible]gsayay Award 2016 was Bezwada Wilson and

(a) Sanjiv Chaturvedi
(b) T M Krishna
(c) Kiran Bedi
(d) P Sainath

Answer: (b)

35. What is the capital of the states of Haryana and Punjab?

(a) Gandhinagar
(b) Chandigarh
(c) Jamshedpur
(d) Bathinda

Answer: (b)

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

b__a__aab__ab__ __

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

Answer: (c)

40. In the following question, some group of letters is given, all of which, except one, share a common similarity while one is different.

Choose the odd one out:

(a) XW
(b) PO
(c) FG
(d) ML

Answer: (c)

Mental Ability and Mental Aptitude

6. What is the annual interest rate for 25%, compounded half yearly?

(a) 50%
(b) 56.25%
(c) 25%
(d) 45%

Answer: (b)

7. What number should be added to both 3 and 2 in order to make them in the ratio 5 : 4?

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

Answer: (b)

9. If the length of a square is increased by 10 % and its breadth by 20 %, then, by what percentage will the area of the new rectangle formed increase as compared to the original square?

(a) 32%
(b) 24%
(c) 36%
(d) 30%

Answer: (a)

11. School A enrolled 65 pupils for an exam and 80 % of its students had passed. In School B, 10 students more than in School A had enrolled, but as compared to School A, 4 less had passed. What is the percentage pass in School B?

(a) 76 %
(b) 60 %
(c) 64 %
(d) 70 %

Answer: (c)

12. Two trains start running towards each other from two points 400 km far from each other. The speed of the first train is 30 kmph and that of the other is 50 kmph. How much time will it take before both the trains meet each other?

(a) 15 hrs

(b) 5 hrs

(c) 10 hrs

(d) 8 hrs

Answer: (b)

13. Two trains of equal length are running on parallel lines in the same direction at 46 kmph and 42 kmph. The faster train passes the slower train in 180 sec. What is the length of each train?

(a) 100 m

(b) 120 m

(c) 80 m

(d) 90 m

Answer: (a)

14. There are 30 students in a class. The average age of the first 10 students is 12.5 years. The average age of the next 20 students is 13.1 years. What is the average age of the whole class?

(a) 12.5 years

(b) 12.7 years

(c) 12.8 years

(d) 12.9 years

Answer: (d)

15. A and B can do a piece of work in 12 days, C can do it in 15 days; and C and A can do it in 10 days. If A, B and C work together, how many days will they take to complete the work?

(a) 14 days

(b) 10 days

(c) 12 days

(d) 8 days

Answer: (d)

16. The sum of the ages of 5 children born at the intervals of 3 years each, is 60 years. What is the age of the youngest child?

(a) 6 years

(b) 12 years

(c) 8 years

(d) 10 years

Answer: (a)

17. If Rs. 726 is to be divided among A, B, and C such that A : B is 5 : 4 and B : C is 9 : 10, then how much will B receive?

(a) Rs. 540
(b) Rs. 240
(c) Rs. 270
(d) Rs. 216

Answer: (d)

18. The average age of the rain in the first four days of a week was 26 mm. In the last three days, the average was 29 mm. What is the average rain during the week?

(a) 27.3 mm
(b) 27.5 mm
(c) 27.2 mm
(d) 27.4 mm

Answer: (a)

19. The average age of a class of 50 students is 20 years in 2017. What will be the average age of the class one year later in 2018?

(a) 19 yrs
(b) 18 yrs
(c) 20 yrs
(d) 21 yrs

Answer: (d)

20. The age of Kunal is 18 years and the age of Rohan is 13 years. What will be the ratio of their age after 15 years?

(a) 33:28
(b) 2:1
(c) 1:2
(d) 18:13

Answer: (a)

21. By selling a radio set for Rs. 960, a man incurs a loss of 4%. At what price should he sell the radio in order to gain a profit of 16%?

(a) Rs. 1360
(b) Rs. 1160
(c) Rs. 1260
(d) Rs. 1460

Answer: (b)

22. Vimal buys 10 pens for Rs. 12 each and 15 pencils for Rs. 6 each and sells each pen for Rs. 14. How much should he sell each pencil in order to earn a total profit of Rs. 65?

(a) Rs. 7.50
(b) Rs. 11
(c) Rs. 6
(d) Rs. 9

Answer: (d)

23. Find the average.

7 , 16, 26, 36, 46 & 55

(a) 31
(b) 39
(c) 41
(d) 32

Answer: (a)

24. A train covers 400 m distance in 24 sec. Its speed is

(a) 60 kmph
(b) 30 kmph
(c) 5 kmph
(d) 45 kmph

Answer: (a)

25. Anand bought a Maruti car for Rs. 1,75,000. He spent Rs. 10,000 on car accessories and fittings. If he sold the car for Rs. 1,95,000, how much profit will he earn?

(a) Rs. 40,000
(b) Rs. 20,000
(c) Rs. 10,000
(d) Rs. 30,000

Answer: (d)

26. To certain number 7 is added. The sum is multiplied by 5, the product is divided by 9 and 3 is subtracted from the quotient. If the remainder is 12, what is the number?

(a) 48
(b) 40
(c) 24
(d) 20

Answer: (d)

27. (10002 -9992) is equal to_____

(a) 1
(b) 1,999
(c) 999
(d) 1,000

Answer: (b)

28. If 150 is 25% of a number, then 125% of that number will be _____ .

(a) 750
(b) 700
(c) 720
(d) 800

Answer: (a)

Science and Simple Arithmetic

8. A star is 12 light years away from the earth. How much time will the light take to reach the earth from the star?

(a) 10 years
(b) 15 years
(c) 5 years
(d) 12 years

Answer: (d)

9. A solar panel is better than a solar cell b[illegible]se

(a) It can work day and night
(b) It is less expensive
(c) It provides more electric power
(d) It provides less electric power

Answer: (c)

10. Find the smallest number by which 1575 must be multiplied so that the product may be a perfect square.

(a) 5
(b) 11
(c) 7
(d) 3

Answer: (c)

11. Devi lost 25% by selling a bicycle for Rs. 2250. Her C. P. is:

(a) Rs. 3150
(b) Rs. 3000
(c) Rs. 2920
(d) Rs. 2800

Answer: (b)

12. Which of the following is used to record intensity of an earthquake?

(a) Seismograph
(b) Anemometer
(c) Barometer
(d) Electroscope

Answer: (a)

13. Aquatic animals survive because of the presence of atmospheric gases in water. This is possible due to which of the following property of gases?

(a) Surface tension
(b) Viscosity
(c) Fluidity
(d) Diffusion

Answer: (d)

14. Compute the compound interest on Rs. 8000 for 2 years at 10% per annum when compounded half yearly.

(a) Rs. 1642.50
(b) Rs. 1578.20
(c) Rs. 1810.05
(d) Rs. 1724.05

Answer: (d)

15. The diagonals do not bisect each other in a____ _.

(a) Rhombus
(b) Square
(c) Trapezium
(d) Parallelogram

Answer: (c)

18. Neurons are cells of:

(a) Nerve
(b) Neck
(c) Liver
(d) Kidney

Answer: (a)

20. Name the organelle that helps in cell division and form asters at poles during cell division.

(a) Central body
(b) Cytoplasm
(c) Chromosome
(d) Centrosome

Answer: (d)

22. Natural gas stored under high pressure is:
    (a) CNG
    (b) Water gas
    (c) LPG
    (d) Producer gas
    Answer: (a)

23. Rat: 4 chambered heart; crocodile: _____ chambered heart.
    (a) 3
    (b) 4
    (c) 2
    (d) 1
    Answer: (b)

24. What is the correct sequence of the following stages in the life cycle of dryopteris ?

Prothallus , sporophyte , sori , gametes , spores , zygote
    (a) Sporophyte, sori, spores, prothallus, gametes, zygote
    (b) Zygote, sporophyte, spores, sori, prothallus, gametes
    (c) Spores, sporophyte, sori, prothallus, gametes, zygote
    (d) Spores, sori, prothallus, gametes, zygote, sporophyte
    Answer: (a)

25. AOB is the diameter of a circle with centre 'O'. C any point on the circle and AC and BC are joined. If ∠CAB = 70°, then ∠CBA =_____.
    (a) 50°
    (b) 20°
    (c) 40°
    (d) 30°
    Answer: (b)

26. In a periscope, the incident light falls on the reflecting mirrors at an angle of_____.
    (a) 60°
    (b) 180°
    (c) 90°
    (d) 45°
    Answer: (d)

27. The radiation in sunlight which makes a solar cooker work is:
    (a) Visible light rays
    (b) X-rays
    (c) Ultra violet rays
    (d) Infrared rays
    Answer: (d)

29. Haemophilia is a/an _____.

(a) congenital disease

(b) deficiency disease

(c) acute disease

(d) chronic disease

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	**(c)**	4	**(c)**	5	**(d)**	6	**(a)**	7	**(d)**	8	**(a)**	9	**(b)**
10	**(a)**	12	**(c)**	13	**(a)**	14	**(c)**	15	**(c)**	17	**(b)**	18	**(b)**	22	**(c)**
23	**(a)**	24	**(b)**	25	**(b)**	26	**(b)**	27	**(b)**	28	**(c)**	31	**(d)**	32	**(a)**
33	**(a)**	34	**(b)**	35	**(b)**	36	**(c)**	40	**(c)**						

Mental Ability and Mental Aptitude

6	**(b)**	7	**(b)**	9	**(a)**	11	**(c)**	12	**(b)**	13	**(a)**	14	**(d)**	15	**(d)**
16	**(a)**	17	**(d)**	18	**(a)**	19	**(d)**	20	**(a)**	21	**(b)**	22	**(d)**	23	**(a)**
24	**(a)**	25	**(d)**	26	**(d)**	27	**(b)**	28	**(a)**						

Science and Simple Arithmetic

8	**(d)**	9	**(c)**	10	**(c)**	11	**(b)**	12	**(a)**	13	**(d)**	14	**(d)**	15	**(c)**
18	**(a)**	20	**(d)**	22	**(a)**	23	**(b)**	24	**(a)**	25	**(b)**	26	**(d)**	27	**(d)**
29	**(a)**														