PREVIOUS YEAR PAPER

MP Police Constable 2017 — 13 September 2017, Shift 2

MP Police Constable · 13 September 2017 · 03:00 PM

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

Left out of the original paper: 31 (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 13 September 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-2017-13-sep-shift-2/

General Knowledge and Logical Knowledge

1. Where is Sanskrit University located in Madhya Pradesh?
   (a) Jabalpur
   (b) Ujjain
   (c) Bhopal
   (d) Indore
   Answer: (b)

2. Name the rivers that originate from Amarkantak Hil′ Maikal range.
   (a) Narmada and Son
   (b) Narmada and Tapti
   (c) Kaveri and Sindhu
   (d) Son and Kayshypa
   Answer: (a)

3. Which state was the current Chief Minister of Uttar Pradesh, Yogi Adityanath born in?
   (a) Uttarakhand
   (b) Uttar Pradesh
   (c) Himachal Pradesh
   (d) Jharkhand
   Answer: (a)

4. Which language has the authors who have won the most number of Jnanapith Awards?
   (a) Hindi
   (b) Marathi
   (c) Kannada
   (d) Tamil
   Answer: (c)

5. Which of the following projects in Madhya Pradesh has won the Aga Khan Award for Architecture?
   (a) Slum Networking, Indore
   (b) Atal Ashraya Yogana,
   (c) Aero-City, Misrod
   (d) Apni Zameen, Apni Chhat
   Answer: (a)

6. India helped in building the Parliament of which country?
   (a) Afghanistan
   (b) Iran
   (c) Sri Lanka
   (d) Bangladesh
   Answer: (a)

7. Alkaloid Factory is located at
   (a) Mandsaur
   (b) Neemuch
   (c) Dhar
   (d) Ratlam
   Answer: (b)

8. What was the name of the impressive routine perfo ed by Dipa
   (a) Vyacheslav vault
   (b) Produnova vault
   (c) Pavlushka vault
   (d) Veniamin vault
   Answer: (b)

9. 'Vijay Amirtraj'is associated with
   (a) Football
   (b) Hockey
   (c) Cricket
   (d) Tennis
   Answer: (d)

10. Where was India's first submarine museum established?
   (a) Mumbai
   (b) Panjim
   (c) Kochi
   (d) Visakhapatnam
   Answer: (d)

11. In which year did India most recently host the Asian games?
    (a) 1982
    (b) 1985
    (c) 1980
    (d) 1984
    Answer: (a)

12. The States of India which have common border with the state of Goa are
    (a) Karnataka and Maharashtra
    (b) Karnataka and Kerala
    (c) Tamil Nadu and Maharashtra
    (d) Andhra Pradesh and Gujarat
    Answer: (a)

13. The Constitution of India originally comprised of_____
    (a) 29 parts
    (b) 20 parts
    (c) 22 parts
    (d) 25 parts
    Answer: (c)

14. Who succeeded Jayalalithaa as the general secre' of AIADMK after her death?
    (a) Edappadi K. Palaniswami
    (b) M. Thambidurai
    (c) O Paneerselvam
    (d) SasikalaNatarajan
    Answer: (d)

15. Who was the first woman speaker of the Lok Sabha?
    (a) Mamata Thakur
    (b) Sushma Swaraj
    (c) Maneka Gandhi
    (d) Meira Kumar
    Answer: (d)

16. Who is regarded as the Father of Indian Space Programme?
    (a) Vikram Sarabhai
    (b) CV Raman
    (c) David Dhawan
    (d) Satish Dhawan
    Answer: (a)

17. Find the odd one out:

(a) (2 – 8)
(b) (5 – 125)
(c) (4 – 32)
(d) (3 – 27)

Answer: (c)

18. Find the odd one out:

(a) Water
(b) Ink
(c) Brush
(d) Paint

Answer: (c)

19. After tossing two coins simultaneously, what is the probability of getting one head?

(a) 1/2
(b) 1/3
(c) 1/4
(d) None of the above

Answer: (a)

20. If CLASS is coded BJXON, then how is RADIO coded?

(a) QYAEJ
(b) QYBEJ
(c) PYAEJ
(d) QXAEJ

Answer: (a)

21. In a row of 16 boys, when Girish was shifted by two places to the left, he became 7th from the left end. What was his earlier position from the right?

(a) 10th
(b) 8th
(c) 11th
(d) 6th

Answer: (b)

25. Complete the series choosing the missing number:

1000, 729, 512, _____, 216

(a) 340
(b) 345
(c) 343
(d) 347

Answer: (c)

26. Complete the series choosing the missing number:

134, 245, 356, 467, _____

(a) 568
(b) 478
(c) 578
(d) 579

Answer: (c)

27. Complete the series choosing the missing number:

121, 144, 169, _____, 225

(a) 198
(b) 190
(c) 200
(d) 196

Answer: (d)

28. Arjuna Award is given for outstanding performance in

(a) Sports
(b) Literature
(c) Music
(d) Science

Answer: (a)

29. IfJAIPUR is coded KBJQVS, then how is K. UMARI coded?

(a) LBOZBLVNBSJ
(b) LBMZBLWNBSJ
(c) LBMXBLVNBSJ
(d) LBMZBMBNVSJ

Answer: (a)

30. If SCENE is coded TDFOF, then how is CLIMATE coded?

(a) DMJNBTE
(b) DMJNBUF
(c) DMJNBUE
(d) DMKNBUE

Answer: (b)

31. If tuhina means fire, arka means moon, vari means sun, chandra means water, dhara means snow and hima means air and anil means earth.

Which among these is at the centre of the solar system

(a) tuhina
(b) vari
(c) chandra
(d) hima

Answer: (b)

32. Who among the following is NOT a maestro of Tabla?

(a) Kishan Maharaj
(b) Zakir Hussain
(c) Shiv Kumar Sharma
(d) Nikhil Ghosh

Answer: (c)

33. If day-after-tomorrow is Sunday, what was day-before-yesterday?

(a) Saturday
(b) Friday
(c) Wednesday
(d) Thursday

Answer: (c)

34. Which city in Maharashtra does NH44 pass through?

(a) Nagpur
(b) Nashik
(c) Pune
(d) Aurangabad

Answer: (a)

35. Which city is called the Queen of the Arabian Sea?

(a) Mangalore
(b) Pune
(c) Trivandrum
(d) Kochi

Answer: (d)

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

Statements:

Some jewels are not gold

Some bangles are not jewels

Conclusions:

I. Some bangles are gold

II. Some jewels are bangles

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

Answer: (c)

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

Statements:

No plates are bottles

Some bottles are tissues

Conclusions:

I. Some tissues are plates

II. Some tissues are not plates

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

Answer: (a)

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

Statements:

All shampoos are soaps

Some shampoos are not oils

Conclusions:

I. All oils are soaps

II. All soaps are oils

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

Answer: (c)

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

Statements:

Some rubble are not grapes

All rubbles are mangos

Conclusions:

I. Some mangos are not grapes

II. All mangos are rubbles

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

Answer: (b)

Mental Ability and Mental Aptitude

6. Three different containers contain 130 litre, 442 litre and 234 litre of milk respectively. What biggest measure can be used to measure all the containers exactly?

(a) 17 litre
(b) 13 litre
(c) 11 litre
(d) 26 litre

Answer: (d)

7. Three friends Ram, Raghu and Rajesh start running around a circular stadium and complete a single round in 18, 30 and 36 seconds, respectively. After how many minutes will they meet again at the starting point?

(a) 12 minutes
(b) 3 minutes
(c) 6 minutes
(d) 5 minutes

Answer: (b)

8. A man travels a distance of 61 km in 9 hr. If he travelled partly on his bicycle at 9 kmph and partly on foot at a speed of 4 kmph, the distance he travelled on foot will be:

(a) 30 km
(b) 25 km
(c) 16 km
(d) 45 km

Answer: (c)

9. A man starts from Mumbai and travels at a speed of 8 kmph and to reach Pune in 25 hrs. Find the distance between the two places.

(a) 150 km
(b) 200 km
(c) 250 km
(d) 100 km

Answer: (b)

10. What number must be added to two numbers which are in ratio 5 : 12, so that the new ratio becomes 3 : 4?

(a) 16
(b) 12
(c) 5
(d) 8

Answer: (a)

12. Simple interest on Rs. 2400 at 18% per annum for 9 months is:

(a) Rs. 291
(b) Rs. 200
(c) Rs. 198
(d) Rs. 324

Answer: (d)

13. The ratio of the present ages of two sisters is 1 : 2 and 5 years ago, the ratio was 1 : 3. What will be the ratio of their ages after 10 years?

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

Answer: (a)

16. Sachin was twice as old as Ajay 10 years back. How old is Ajay today, if Sachin will be 40 years old 10 years hence?

(a) 18
(b) 20
(c) 15
(d) 25

Answer: (b)

17. In a group of 450 people who can speak either English or Hindi, 250 can speak only Hindi, while 150 can speak only English. How many can speak both the languages?

(a) 100
(b) 50
(c) 700
(d) 400

Answer: (b)

18. In a group of 25 students of manageme[illegible] 12 h[illegible] taken marketing specialization, 9 have taken operations and 8 have not taken any of these. [illegible]many of the students have taken marketing and operations?

(a) 4
(b) 7
(c) 12
(d) 5

Answer: (a)

19. A and B can do a piece of work in 25 and 20 days respectively. They worked together but A leaves after some days and then B completed the remaining work in 11 days. The number of days after which 'A' left the work is:

(a) 10
(b) 5
(c) 8
(d) 3

Answer: (b)

20. The sides of a triangle are in the ratio 2 : 3 : 4, and its perimeter is 100 cm. What will be the length of the longest side?

(a) 50 cm
(b) 22.5 cm
(c) 44.4 cm
(d) 33.3 cm

Answer: (c)

21. Chinu is younger than Minu by 9 years. If the ratio of the ages of Chinu and Minu are 7:8, then find the age of Minu.

(a) 42
(b) 82
(c) 32
(d) 72

Answer: (d)

22. During a month, Manjula purchased 3 books for Rs. 675 each, and 7 stationery kits for Rs. 130 each. She then sold the books for Rs. 750 each and the stationary kits for Rs. 160 each. How much profit did she make? .

(a) Rs. 500
(b) Rs. 435
(c) Rs. 215
(d) Rs. 360

Answer: (b)

23. The average age of three boys is 8 years. ears hence, the ratio of their ages will be 3 : 4 : 5. Find the present age of the youngest boy.

(a) 6 years
(b) 5 years
(c) 7 years
(d) 8 years

Answer: (b)

24. The average of 5 numbers 9, 19, 10, X and 5 is 50. Find the value of X.

(a) 201
(b) 207
(c) 206
(d) 205

Answer: (b)

25. Ravi can type a given number of pages in two hours; whereas, Ramesh can type the same number of pages in three hours. If Ravi and Ramesh have been given an assignment that has twice the number of pages, in how many hours can both of them together finish it?

(a) 2 hr 12 min
(b) 2 hr 24 min
(c) 3 hr
(d) 1 hr 12 min

Answer: (b)

27. Aamir buys six chocolates for one rupee. At what price should Aamir sell each of the chocolates, in order to earn a profit of 20 %?

(a) 1/3rd of a rupee
(b) 1/6th of a rupee
(c) 1/5th of a rupee
(d) 1/10th of a rupee

Answer: (c)

29. Find the average.

80, 87, 94, 5, 18 & 28

(a) 48
(b) 50
(c) 52
(d) 53

Answer: (c)

Science and Simple Arithmetic

6. 'Nucleus in the cell' was discovered by _____.

(a) Robert Hooke
(b) Robert Brown
(c) Purkinje
(d) Virchow

Answer: (b)

7. Skeleton is made entirely of cartilage in:

(a) Star fish
(b) Rohu
(c) Tuna
(d) Shark

Answer: (d)

8. A sum of money deposited at 2% per annum compounded annually becames Rs. 2601 at the end of two years. Find the sum deposited.

(a) Rs. 2480
(b) Rs. 2310
(c) Rs. 2500
(d) Rs. 2020

Answer: (c)

15. A merchant bought 300kg rice at the rate of Rs. 25 per kg and sold it at a profit of 5%. Find the selling price per kg.

(a) Rs. 20.75
(b) Rs. 18.50
(c) Rs. 15.75
(d) Rs. 26.25

Answer: (d)

17. Which planet has the least period of revolution?

(a) Mars
(b) Mercury
(c) Venus
(d) Earth

Answer: (b)

18. A battery is used to:

(a) Safeguard against short-circuit
(b) Measure electric potential
(c) Measure electric current
(d) Maintain potential difference

Answer: (d)

19. Choose the odd one from the following options:

(a) Huddle together
(b) Webbed feet
(c) Streamlined body
(d) White fur

Answer: (d)

22. Bone is hard due to the presence of:

(a) Sulphur and phosphorus
(b) Calcium and magnesium
(c) Calcium and phosphorus
(d) Silica and calcium

Answer: (c)

25. Soil having big lumps is crushed by:
(a) Tilling
(b) Levelling
(c) Sowing
(d) Ploughing
Answer: (b)

26. The heights of 10 girls were measured in cm and the list is as follows:

132, 128, 146, 141, 139, 137, 142, 152, 135, 120. How many girls have heights more than the mean height?
(a) 3
(b) 6
(c) 4
(d) 5
Answer: (d)

27. An animal cell lacks centriole/centrosome. Which of the following cell function gets interrupted?
(a) Reproduction
(b) Nutrition
(c) Excretion
(d) Respiration
Answer: (a)

28. The amount of heat energy that is requ[illegible]d to c[illegible]nge 1 kg of a ice into water at atmospheric pressure at 273K is known as:
(a) Latent heat of vaporisation
(b) Latent heat of melting
(c) Latent heat of freezing
(d) Latent heat of fusion
Answer: (d)

29. Cross between related crop species is called:
(a) Inter generic hybridization
(b) Inter specific hybridization
(c) Inter varietal hybridization
(d) Induced mutation
Answer: (b)

30. An example of a branched cell in humans is:
(a) RBC
(b) WBC
(c) Spindle shaped muscle cell
(d) Neuron
Answer: (d)

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 **(a)**	4 **(c)**	5 **(a)**	6 **(a)**	7 **(b)**	8 **(b)**		
9 **(d)**	10 **(d)**	11 **(a)**	12 **(a)**	13 **(c)**	14 **(d)**	15 **(d)**	16 **(a)**		
17 **(c)**	18 **(c)**	19 **(a)**	20 **(a)**	21 **(b)**	25 **(c)**	26 **(c)**	27 **(d)**		
28 **(a)**	29 **(a)**	30 **(b)**	31 **(b)**	32 **(c)**	33 **(c)**	34 **(a)**	35 **(d)**		
37 **(c)**	38 **(a)**	39 **(c)**	40 **(b)**						

Mental Ability and Mental Aptitude

6 **(d)**	7 **(b)**	8 **(c)**	9 **(b)**	10 **(a)**	12 **(d)**	13 **(a)**	16 **(b)**		
17 **(b)**	18 **(a)**	19 **(b)**	20 **(c)**	21 **(d)**	22 **(b)**	23 **(b)**	24 **(b)**		
25 **(b)**	27 **(c)**	29 **(c)**							

Science and Simple Arithmetic

6 **(b)**	7 **(d)**	8 **(c)**	15 **(d)**	17 **(b)**	18 **(d)**	19 **(d)**	22 **(c)**		
25 **(b)**	26 **(d)**	27 **(a)**	28 **(d)**	29 **(b)**	30 **(d)**				