PREVIOUS YEAR PAPER

MP Police Constable 2017 — 17 September 2017, Shift 2

MP Police Constable · 17 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 17 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-2017-17-sep-shift-2/

General Knowledge and Logical Knowledge

2. If SCRIPT is coded TCQIQT, then how is DIGEST coded?

(a) EIGHTT
(b) TIHETT
(c) TIFETT
(d) EIFETT

Answer: (d)

4. Find the odd one out:

3, 9, 35, 180, 1080

(a) 35
(b) 180
(c) 9
(d) 1080

Answer: (a)

5. If BOTTLE is coded FSXXPI, then how is CALENDER coded?

(a) GEQIRHIV
(b) GEPIRHIV
(c) GEPISHIV
(d) GEPJRHIV

Answer: (b)

6. If WATER is coded XBUFS, then how is ATLANTIC coded?

(a) BUMBOUHD
(b) BUMBOUJD
(c) BUMBOVJD
(d) BUMBMUJD

Answer: (b)

8. In a row of houses, one house is the sixth from either ends of the row. How many houses are there in the row?

(a) 14
(b) 11
(c) 15
(d) 12

Answer: (b)

9. Who is the first Woman IPS officer in India?

(a) Bachendri Pal
(b) Kiran Bedi
(c) Indira Gandhi
(d) Sarojini Naidu

Answer: (b)

10. Who is the first CEO of UIDAI?

(a) Nandan Nilekani
(b) Amitabh Kant
(c) A B Pandey
(d) Anand Deshpande

Answer: (c)

11. Who is the current Chairman of Central Board of (ondary Education (CBSE)?

(a) J S Rajput
(b) Krishna Kumar
(c) Rajesh Chaturvedi
(d) Vineet Joshi

Answer: (c)

12. Which Film was adjudged the Best Film at the National Film Awards – 2017?

(a) Neerja
(b) Kaasav
(c) Dhanak
(d) Dangal

Answer: (b)

13. Which Indian woman was the first to win the Miss World title?

(a) Reita Faria
(b) Aishwarya Rai
(c) Priyanka Chopra
(d) Sushmita Sen

Answer: (a)

14. Which of the following organizations manufactures Electronic Voting Machine (EVM) in India
    (a) Central Electronics Limited
    (b) Defence Research and Development Organization
    (c) Bharat Electronics Limited
    (d) Bharat Heavy Electricals Limited

    Answer: (c)

15. Government of India has appointed _____ as the Mission Director of Atal Innovation Mission.
    (a) Ramanathan Ramanan
    (b) Sanjeev Sanyal
    (c) Sanjay Mitra
    (d) Rajiv Kumar

    Answer: (a)

16. Who was honoured with the Centenary Award for Indian Film Personality of the year 2016 at IIFI, Goa?
    (a) Dilip Kumar
    (b) Kamal Haasan
    (c) S P Balasubrahmanyam
    (d) Rishi Kapoor

    Answer: (c)

17. The Gulf of Mannar separates India from which of the following countries?
    (a) Sri Lanka
    (b) Bangladesh
    (c) Pakistan
    (d) Maldives

    Answer: (a)

18. Golden Temple in Amritsar was built by
    (a) Guru Angad Dev
    (b) Guru Gobind Singh
    (c) Guru Nanak
    (d) Guru Ram Das

    Answer: (d)

20. A Rajya Sabha member must have completed the age of
    (a) 30 years
    (b) 35 years
    (c) 25 years
    (d) 21 years

    Answer: (a)

21. An artist known for his nail painting, who was awarded 3 times by APJ Abdul Kalam is
    (a) Sumitra Mahajan
    (b) Aditya Joshi
    (c) Wajid Khan
    (d) Meera Kumar
    Answer: (c)

22. Complete the series choosing the missing number:

12, 28, 64, 140, _____
    (a) 296
    (b) 246
    (c) 280
    (d) None of the above
    Answer: (a)

23. Complete the series choosing the missing number:

2, 7, 29, 146, _____
    (a) 640
    (b) 780
    (c) 580
    (d) 877
    Answer: (d)

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

Statements:

Some cycles are scooters

Some scooters are cars

Conclusions:

I. Some scooters are not cycles

II. Some cars are cycles
    (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: (c)

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

Statements:

All dresses are chudidhars

Some dresses are not shirts

Conclusions:

I. All shirts are chudidhars

II. All chudidhars are shirts

(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: (c)

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

Statements:

All notes are papers

Conclusions:

I. Some coins are papers

II. All notes are coins

(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. Sameer Mon is associated with which sports ?

(a) Boxing
(b) Sprint
(c) Wrestling
(d) Long jump

Answer: (b)

29. First Battle of Panipat was fought in___

(a) 1914
(b) 1757
(c) 1526
(d) 1575

Answer: (c)

32. The river Son is in the

(a) Narmada Basin
(b) Yamuna Basin
(c) Chambal Basin
(d) Ganga Basin

Answer: (d)

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

aa__bb__aa__abbbb__a

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

Answer: (c)

34. Rewa Kund lies in

(a) Ujjain
(b) Indore
(c) Chanderi
(d) Mandu

Answer: (d)

35. In a certain code language world wide web is written jim jom jima and Country wide network is written juma jima joma, then how is wide coded?

(a) jom
(b) jim
(c) jima
(d) juma

Answer: (c)

36. In a certain code language, ata pita fita means a great effort, matta pita data means man is great, and futa fota fita means have a seat. Which is the word for ata in that code language?

(a) man
(b) great
(c) seat
(d) effort

Answer: (d)

37. The founder of Brahmo Samaj was

(a) M.G. Ranade

(b) Swami Vivekananda

(c) Raja Ram Mohan Roy

(d) Dayanand Saraswati

Answer: (c)

38. 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) WU

(b) QN

(c) GE

(d) MK

Answer: (b)

39. The largest public sector undertaking of the Government of India in terms of employment is

(a) State Bank of India

(b) Indian Army

(c) India Post

(d) Indian Railways

Answer: (d)

Mental Ability and Mental Aptitud

9. Rs. 1500 are divided among A, B and C in such a manner that A : B = 5 : 2 and B : C = 7 : 13, What is C's share?

(a) Rs. 700

(b) Rs. 280

(c) Rs. 520

(d) Rs. 350

Answer: (c)

11. Find the value of 421 x 0.9 + 130 x 101

(a) 14008.9

(b) 15002.6

(c) 12505.5

(d) 13508.9

Answer: (c)

13. Two-fi h of one-fourth of half of a number is 25. Find 45% of that number.

(a) 230
(b) 220
(c) 225
(d) 200

Answer: (c)

14. For a rectangle and a square, the length of the rectangle is 5 cm more than that of the square, and the breadth is 2 cm less than that of the square. If the area of the square and the rectangle are the same, find the area of the rectangle.

(a) 10 sqcm
(b) 20 sqcm
(c) 11 sqcm
(d) 16 sqcm

Answer: (c)

15. A man crosses a 450 m long street in 5 min. What is his speed in kmph?

(a) 8.4 kmph
(b) 5.4 kmph
(c) 7.2 kmph
(d) 3.6 kmph

Answer: (b)

16. 15 men can dig a pit of 35 cu units in 7 days. Ho' many men can dig a pit of 65 cu units in 5 days? / 15

(a) 39
(b) 49
(c) 19
(d) 29

Answer: (a)

17. What is the equivalent annual interest rate for a biennial interest rate of 69%?

(a) 13%
(b) 34.5%
(c) 25%
(d) 30%

Answer: (d)

18. A cricketer has an average of 54 runs now. In the next match he scores 96 runs which increase his average by 3. What is the total number of matches played by the cricketer?

(a) 14
(b) 15
(c) 12
(d) 13

Answer: (a)

20. If the diagonals of two squares are in the ratio 1 : 3, then what is the ratio of their areas?

(a) 1 : 6
(b) 1 : 3
(c) 6 : 1
(d) 1 : 9

Answer: (d)

21. A is 50 % as efficient as B. C does half of the work done by A and B. If C alone does the work in 40 days, then in how many days can A, B, and C together do it? (Approximately)

(a) 25 days
(b) 13 days
(c) 32 days
(d) 30 days

Answer: (b)

22. Jithin, Rahul and John are three friends with an average waist size of 32. Rahul ordered a Jeans of waist size 30, John ordered a Jeans of waist size 34. What should be the waist size of the Jeans ordered by Jithin?

(a) 36
(b) 34
(c) 32
(d) 30

Answer: (c)

23. Fifteen years ago, A was twice as old a[illegible]. Th[illegible]ifference between the ages of A and B today is 10 years. Find the age of the elder among the.

(a) 55
(b) 45
(c) 25
(d) 35

Answer: (d)

25. The average temperature in May till 6 May was 33.9° and the average temperature for the period from 17 May till the end of the month was 34.6°. If the average temperature for May was 34.4°, what was the average temperature from 7 May to 16 May?

(a) 34.3°
(b) 34.5°
(c) 34.2°
(d) 34.4°

Answer: (d)

26. Age of five boys are 13, 14, 15, 16, and 17 years respectively. Find their average age?

(a) 14
(b) 16
(c) 15
(d) None of the above

Answer: (c)

28. Find the average.

21, 29, 37, 45, 53 & 61

(a) 47
(b) 41
(c) 39
(d) 51

Answer: (b)

29. A sum of three numbers is 90. The ra o between the first and the second number is 2 : 3 and that of the second to the third number is 3 : 5. What is the third number?

(a) 27
(b) 45
(c) 75
(d) 15

Answer: (b)

30. If the total of the ages of P, Q and R be P is years older than Q. Who is twice as old as R. Then how old is Q?

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

Answer: (b)

Science and Simple Arithmetic

6. Einstein's mass energy relation is given by:

(a) E = work/time
(b) E = m c
(c) E = mc2
(d) E = F x d

Answer: (c)

7. Which of the following is not a perfect square natural number?

(a) 0
(b) 9
(c) 4
(d) 1

Answer: (a)

8. Which of the following is a perfect square?

(a) 7028
(b) 1842
(c) 1156
(d) 81000

Answer: (c)

9. Two adjacent angles of a parallelogram are in the ratio 4:5. Then the measure of the smaller angle is:

(a) 100°
(b) 70°
(c) 80°
(d) 60°

Answer: (c)

10. The Seasons on the earth change because:

(a) The distance between the earth and sun is constantly changing
(b) The earth's axis is tilted with respect to the plane of the orbit
(c) The axis of rotation is perpendicular to the plane of the orbit
(d) The axis of rotation of the earth is parallel to the plane of the orbit

Answer: (b)

11. The heat energy released in a nuclear fission and fusion process is due to the:

(a) Conversion of chemicals into energy
(b) Conversion of momentum into energy
(c) Conversion of mass into energy
(d) Conversion of electric current into energy

Answer: (c)

12. Sum of three consecutive integers is 45. The largest of the three integers is:

(a) 17
(b) 16
(c) 15
(d) 12

Answer: (b)

13. Plasma is considered the fourth state of matter. Which of the following description is not connected with it?

(a) It is also known as Bose Einstein condensates
(b) Sun and stars glow because of the presence of plasma
(c) The colour shown by plasma depends on the gases which form the plasma
(d) It consists of highly ionised gases

Answer: (a)

14. Which of the following has branched muscle fibres?

(a) Non-striated
(b) Cardiac
(c) Striated
(d) All of the above

Answer: (b)

15. Which one of the following is a renewable resource?

(a) Coal
(b) Petroleum
(c) Wildlife
(d) Natural gas

Answer: (c)

17. Petroleum is commonly known as:

(a) Green gold
(b) Yellow gold
(c) Black gold
(d) White gold

Answer: (c)

18. Name the organelle that release energy from the food.

(a) Nucleus
(b) Hormone
(c) Enzyme
(d) Mitochondria

Answer: (d)

19. In which one of the following metamorphosis does not take place?

(a) Man
(b) Frog
(c) Starfish
(d) Dragon fly

Answer: (a)

20. The diagonals AC and BD of a rectangle ABCD meet at 'O'. If ∠AOD = 62° , then ∠OBC = _____.
_____

(a) 78°
(b) 47°
(c) 59°
(d) 64°

Answer: (c)

21. During the development of a thunderstorm, air currents move

(a) upward
(b) horizontally
(c) both upward and downward
(d) downward

Answer: (a)

26. The respiratory system in man can be compared to which part of the plant?

(a) Stomata
(b) Vein
(c) Root
(d) Leaf

Answer: (a)

27. When an inverted tumbler is placed over a burnir andle, the flame extinguishes after some time. This is due to unavailability of:

(a) Carbon dioxide
(b) Nitrogen
(c) Oxygen
(d) Water vapour

Answer: (c)

28. The difference between the compound interest and simple interest on Rs. 1800 at 10% per annum for 2 years is:

(a) Rs. 24
(b) Rs. 16
(c) Rs. 30
(d) Rs. 18

Answer: (d)

29. The difference between two selling prices of a shirt at profits of 4% and 5% is Rs. 15, then the cost price of the shirt is:

(a) Rs. 950
(b) Rs. 1500
(c) Rs. 1200
(d) Rs. 1300

Answer: (b)

30. Alternation of haploid gametophytic stage with diploid sporophytic stage is not observed in which two of the below mentioned organisms?

Funaria , spirogyra , pteris , chlamydomonas , adiantum

(a) Pteris and spirogyra

(b) Pteris and funaria

(c) Spirogyra and chlamydomonas

(d) Funaria and spirogyra

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

2	**(d)**	4	**(a)**	5	**(b)**	6	**(b)**	8	**(b)**	9	**(b)**
10	**(c)**	11	**(c)**	12	**(b)**	13	**(a)**	14	**(c)**	15	**(a)**
16	**(c)**	17	**(a)**	18	**(d)**	20	**(a)**	21	**(c)**	22	**(a)**
23	**(d)**	24	**(c)**	26	**(c)**	27	**(b)**	28	**(b)**	29	**(c)**
32	**(d)**	33	**(c)**	34	**(d)**	35	**(c)**	36	**(d)**	37	**(c)**
38	**(b)**	39	**(d)**								

Mental Ability and Mental Aptitude

9	**(c)**	11	**(c)**	13	**(c)**	14	**(c)**	15	**(b)**	16	**(a)**
17	**(d)**	18	**(a)**	20	**(d)**	21	**(b)**	22	**(c)**	23	**(d)**
25	**(d)**	26	**(c)**	28	**(b)**	29	**(b)**	30	**(b)**		

Science and Simple Arithmetic

6	**(c)**	7	**(a)**	8	**(c)**	9	**(c)**	10	**(b)**	11	**(c)**
12	**(b)**	13	**(a)**	14	**(b)**	15	**(c)**	17	**(c)**	18	**(d)**
19	**(a)**	20	**(c)**	21	**(a)**	26	**(a)**	27	**(c)**	28	**(d)**
29	**(b)**	30	**(c)**								