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Bihar Police SI

Memory Based Paper
17 Dec, 2023 Shift 2



100 Questions

Que. 1 The total surface area of a solid cone, whose base radius is r and height is h , is -

1. $\pi(r^2 + h^2)$
2. $\pi(r^2 + rh)$
3. $\pi r(r + \sqrt{h^2 + r^2})$
4. $\pi rh(r + h)$

Correct Option - 3

Que. 2 Which institution is set to develop 'Local Area Management Plan' (LAMP) ?

1. I & B Ministry
2. NABARD
3. NITI Aayog
4. CSIR-NEERI

Correct Option - 4

Que. 3 Subhash Chandra Bose had founded 'Forward Bloc' in this year-

1. 1936 A.D.
2. 1938 A.D.
3. 1939 A.D.
4. 1940 A.D.

Correct Option - 3

Que. 4 In which year Punjab was merged into the British Empire?

1. 1856 A.D.
2. 1849 A.D.
3. 1848 A.D.
4. 1846 A.D.

Correct Option - 1

Que. 5 Choose the appropriate passive voice of the following sentence from the options given below:
People have seen wolves in the streets.

1. Wolves had been seen in the streets.
2. In the streets, wolves were seen.
3. Wolves were seen in the streets by people.

4. Wolves have been seen in the streets by people.

Correct Option - 4

Que. 6 Who clinched his maiden title on the ATP World Tour, winning the doubles trophy at the Mallorca Championships with South African partner Lloyd Harris?

1. Yuki Bhambri
2. Sidharth Rawat
3. Rohan Bopanna
4. Sumit Nagal

Correct Option - 1

Que. 7 Which of the following Biosphere Reserve is located in the northern most part of India?

1. Nanda Devi
2. Cold desert
3. Manas
4. Simlipal

Correct Option - 1

Que. 8 As per census 2011, which state in India registered highest population density?

1. Bihar
2. West Bengal
3. Kerala
4. Uttar Pradesh

Correct Option - 1

Que. 9 Which of the following is the name of currency of Japan?

1. Yuan
2. Yen
3. Lira
4. Peso

Correct Option - 2

Que. 10 Which is the primary function of money?

1. Medium of exchange
2. Measure of value
3. Both (1) and (2)
4. Transfer of value

Correct Option - 1

Que. 11 The most abundant factor of production is:

1. Land
2. Labour
3. Capital
4. Organisation

Correct Option - 2

Que. 12 The aggregate, demand in a two-sector economy model is:

1. $S + I$
2. $C + S$
3. $C - S$
4. $C + I$

Correct Option - 4

Que. 13 'जो बात लोगों से सुनी गई हो' वाक्यांश के लिए एक शब्द है-

1. जनजाति
2. जिज्ञासा
3. जजिया
4. जनश्रुति

Correct Option - 4

Que. 14 Where was Hitler born?

1. Braunau
2. Munich
3. Mammal
4. Niesen

Correct Option - 1

Que. 15 Sector producing a good by exploiting natural resources is called:

1. Primary sector
2. Secondary sector
3. Tertiary sector
4. Residual sector

Correct Option - 1

Que. 16 The minimum strength of State Legislative Council is fixed at :

1. 82
2. 78
3. 55
4. 40

Correct Option - 4

Que. 17 Which of the following is also known as the floating islands lake?

1. Pulicat Lake
2. Loktak Lake
3. Hussain Sagar Lake
4. Dhebar Lake

Correct Option - 2

Que. 18 Which of the following district of Bihar is listed among the gold mineral producing places?

1. Bhagalpur
2. Rohtas
3. Jamui
4. Munger

Correct Option - 3

Que. 19 Who was the proposer of Quit India Movement?

1. Acharya Narendradev
2. J. B. Kriplani
3. Molana Abdul Kalam Azad
4. Jawahar Lal Nehru

Correct Option - 2

Que. 20 The preaching of which medieval saint are compiled in 'Abhang'?

1. Dadu
2. Tukaram
3. Namdev
4. Ravidas

Correct Option - 2

Que. 21 Which of the following polymer is formed by condensation polymerisation mechanism?

1. Polythene
2. Polyvinyl chloride
3. Polystyrene
4. Nylon

Correct Option - 4

Que. 22 As an impact of the First World War, the women entered into new roles because.....

1. They began to work in factories, workshops and business enterprises during the war period.
2. they began to work in the armies in the war
3. they began to dominate the politics
4. they confined themselves in domestic work during the war period

Correct Option - 1

Que. 23 In which of the following districts of Bihar you can find maximum area covered under very dense forests?

1. Purba Champaran
2. Pashchim Champaran
3. Gopalganj
4. Sitamarhi

Correct Option - 2

Que. 24 Which union territory of India has registered lowest population density 2011?

1. Lakshadweep
2. Andaman & Nicobar Islands
3. Puducherry
4. Daman & Diu

Correct Option - 2

Que. 25 Which part of the Indian Constitution deals with the concept of Welfare State?

1. Preamble
2. Judicial Review
3. Fundamental Rights
4. Directive Principles of State Policy

Correct Option - 1

Que. 26 Which one of the following gas is harmful for the Ozone layer?

1. CO_2
2. CFC
3. N_2O
4. CH_4

Correct Option - 2

Que. 27 What will be the simple interest on ₹6,400 at the rate 6% per annum from 11th February to 7th July 2022?

1. ₹153.6
2. ₹163.8
3. ₹168.4
4. ₹172.5

Correct Option - 1

Que. 28 Article related to Equality of Opportunity is:

1. 14
2. 19
3. 16
4. 22

Correct Option - 3

Que. 29 The French Ruler Louis XVI belonged to which dynasty?

1. Romanov Dynasty
2. Saxon Dynasty
3. Bourbon Dynasty
4. Normans Dynasty

Correct Option - 3

Que. 30 Gustatory receptors detect _____.

1. Smell
2. Heat
3. Taste
4. All of these

Correct Option - 3

Que. 31 Which of the following is correct pair of elements and its symbol?

1. Mercury - Mr
2. Lead - Le
3. Silver - SI
4. Sodium - Na

Correct Option - 4

Que. 32 Santiago is the capital city of-

1. Uruguay
2. Guyana
3. Peru
4. Chile

Correct Option - 4

Que. 33 Which one from the followings is NOT an effect of El-Nino?

1. It causes distortion of equatorial atmospheric circulation.
2. It causes irregularities in the evaporation of sea water.
3. It reduces the number of fish in the sea.
4. It lowers down the temperature of water on the Peruvian coast.

Correct Option - 4

Que. 34 What is the main function of UNESCO?

1. To build peace through international cooperation in education, science and culture
2. To provide long term loans to poor countries
3. To provide short term credit for international financial stability
4. To encourage international trade

Correct Option - 1

Que. 35 As per census 2011 which of the following district of Bihar is having minimum literacy rate?

1. Purniya
2. Rohtas
3. Kaimur
4. Shivhar

Correct Option - 1

Que. 36 Slope of distance-time graph gives:

1. force
2. acceleration

3. momentum
4. speed

Correct Option - 4

Que. 37 Kalashoka belonged to which dynasty?

1. Maurya
2. Shishunag
3. Satavahana
4. Haryak

Correct Option - 2

Que. 38 Copper objects lose their shine and form green coating of -

1. Copper oxide
2. Copper hydroxide
3. Copper carbonate
4. Basic copper carbonate

Correct Option - 4

Que. 39 The security deposit for the election of the President is :

1. ₹5,000
2. ₹10,000
3. ₹12,000
4. ₹15,000

Correct Option - 4

Que. 40 Which company has launched the first electric car in India?

1. TATA
2. MG
3. Honda
4. TOYOTA

Correct Option - 1

Que. 41 Red Laterite soils are more suitable for the crops -

1. Cashew nut
2. Groundnut
3. Onion
4. Black Pepper

Correct Option - 1

Que. 42 Change of gaseous state directly to solid state without going through liquid state is called-

1. Deposition
2. Sublimation
3. Condensation
4. Freezing

Correct Option - 2

Que. 43 PR Sreejesh and Savita Punia won the similar titles, are associated with which sports?

1. Table Tennis
2. Hockey
3. Football
4. Cricket

Correct Option - 2

Que. 44 Blood cell which helps in blood coagulation is-

1. Red Blood cells
2. White Blood cells
3. Platelets
4. Monocyte

Correct Option - 3

Que. 45 When a Constitutional Amendment bill goes to the President, he _____

1. can withhold its assent.
2. can return it to the Parliament for reconsideration.
3. can delay it for not more than six months.
4. is bound to give his assent.

Correct Option - 4

Que. 46 Which Bill is introduced recently by the civil aviation ministry in India for enhancing regulations in the aviation sector?

1. The Aircraft Draft Act, 2023
2. The Aircraft Bill - 2023
3. The Aviation Improvement Bill, 2023
4. Civil Aviation Bill

Correct Option - 2

Que. 47 The second law of thermodynamics implies:

1. whole of the heat can be converted into mechanical energy.
2. no heat engine can have 100% efficiency.
3. same heat engines working in reversible process can have 100% efficiency.
4. a refrigerator can reduce the temperature to absolute zero.

Correct Option - 2

Que. 48 Which of the following will lead to an increase or decrease in the quantity demanded?

1. Changes in price of related goods
2. Changes in price of that good
3. Changes in tastes and preferences of consumer
4. Changes in income of consumer

Correct Option - 2

Que. 49 Which Article of the Indian Constitution deals with the duty of Prime Minister to furnish the information to the President?

1. Article 52
2. Article 61
3. Article 75
4. Article 78

Correct Option - 4

Que. 50 In reference to the Cricket World Cup-2023 final, which one is correct from the following?

1. India won the World Cup by 6 wickets.
2. Australia won World Cup by 6 wickets.
3. South Africa won World Cup by 6 wickets.
4. New Zealand won World Cup by 6 wickets.

Correct Option - 2

Que. 51 The opposite faces of a 6 cm side cube is coloured with black, red and green and cut into 1 cm cubes then the number of cubes with only one face is coloured which is red is -

1. 72
2. 36
3. 32
4. 16

Correct Option - 1

Que. 52 'पार्श्व - पाश' युग्म शब्द का सही अर्थ है -

1. बन्धन - बगल
2. धूलि - जानवर
3. बगल - बन्धन
4. जानवर - धूलि

Correct Option - 3

Que. 53 Which city hosted the 15th BRICS summit 2023?

1. Beijing
2. Moscow
3. Durban
4. New Delhi

Correct Option - 3

Que. 54 In polycythemia, cells that increase in number abnormally are:

1. Platelets
2. Erythrocytes
3. Neutrophils
4. Basophils

Correct Option - 2

Que. 55 Name the sodium compound, which is used for softening hard water.

1. Washing soda
2. Bleaching powder
3. Gypsum
4. Limestone

Correct Option - 1

Que. 56 Which of the following organizations has launched SAARTHI mobile app?

1. RBI
2. SEBI
3. IRDAI
4. TRAI

Correct Option - 2

Que. 57 CANSO (Civil Air Navigation Services Organization) Asia Pacific Conference, 2023 was held at -

- 1. Bali, Indonesia
- 2. New Delhi, India
- 3. Kuala Lumpur, Malaysia
- 4. Bangkok, Thailand

Correct Option - 1

Que. 58 Which of the following are the jurisdictions of the High Court of a State?

(1) Original jurisdiction

(2) Appellate jurisdiction

(3) Supervisory jurisdiction

(4) Advisory jurisdiction

Choose the correct answer from the codes given below:

- 1. 1, 2 and 3
- 2. 2, 3 and 4
- 3. 1, 3 and 4
- 4. 1, 2 and 4

Correct Option - 1

Que. 59 Match List I with List II and select the correct answer by using the codes given below the lists.

List - I		List - II	
(a)	Formation of Gram Panchayat	i)	Article 50
(b)	Uniform Civil Code	ii)	Article 48
(c)	Agriculture and Animal Husbandry	iii)	Article 40
(d)	Separation of Judiciary from Executive	iv)	Article 44

- 1. a - iii, b - iv, c - ii, d - i
- 2. a - iv, b - iii, c - ii, d - i
- 3. a - ii, b - iii, c - i, d - iv
- 4. a - i, b - ii, c - iii, d - iv

Correct Option - 1

Que. 60 Which one of the following is not a part of triple tectonic division of India?

1. Peninsular region
2. Himalaya and other mountain ranges
3. Sindhu - Ganga - Brahmaputra plain
4. Western and Eastern Ghats

Correct Option - 4

Que. 61 Pellagra disease is caused by deficiency of which vitamin?

1. Thiamine
2. Niacin
3. Calciferol
4. Riboflavin

Correct Option - 2

Que. 62 The part of coastal plain along the Bay of Bengal is -

1. Coromandel Coast
2. Konkan Coast
3. Kannad Coast
4. Malabar Coast

Correct Option - 1

Que. 63 'Palar Pani' is -

1. Rain-water
2. Oceanic water
3. Heavy water
4. Underground water

Correct Option - 1

Que. 64 The Expansion of $\left(1 + \frac{x}{2}\right)^{-\frac{1}{2}}$ is:

1. $1 + \frac{x}{4} + \frac{3}{16}x^2 + \dots$
2. $1 - \frac{x}{4} + \frac{3}{32}x^2 + \dots$
3. $1 + \frac{x}{4} + \frac{3}{32}x^2 + \dots$
4. $1 - \frac{x}{4} - \frac{3}{16}x^2 + \dots$

Correct Option - 2

Que. 65 Under which Article of the Constitution, Election Commission has been formed in India?

1. Article 320
2. Article 324
3. Article 330
4. Article 332

Correct Option - 2

Que. 66 In India local government is a subject of:

1. Union list
2. State list
3. Concurrent list
4. Residuary subject

Correct Option - 2

Que. 67 The person who is also known as Deshbandhu, is _____.

1. Motilal Nehru
2. Rajendra Prasad
3. Rabindranath Tagore
4. Chittaranjan Das

Correct Option - 4

Que. 68 Choose the correct form of direct narration for the given sentence:

He asked me if I had seen him anywhere.

1. He said to me, "Have you seen him anywhere?"
2. He says to me, "Is he seen somewhere?"
3. He says to me. "Did you see him anywhere?"
4. He said to me, "Do you see him anywhere?"

Correct Option - 1

Que. 69 Sarkaria Commission is related to:

1. Panchayati Raj
2. Powers of the Election Commission
3. Centre and State relations
4. Land Reforms

Correct Option - 3

Which of the following plant hormones inhibits growth?

Que. 70

1. Auxin
2. Cytokinin
3. Gibberellin
4. Absciscic acid

Correct Option - 4

Que. 71 National Sports Day is celebrated on-

1. 28th February
2. 29th August
3. 26th September
4. 26th October

Correct Option - 2

Que. 72 Which one of the following appointments is not made by the President of India?

1. Chief Justice of India
2. Speaker of the Lok Sabha
3. Chief of Air Staff
4. Governor

Correct Option - 3

Que. 73 Karpuri Devi, a renowned artist was related to _____ painting.

1. Madhubani
2. Warli
3. Kalamkari
4. Tanjore

Correct Option - 1

Que. 74 Who won 2023 - Indian National Motorcycle Racing Championship (INMRC) in 301-400 cc category ?

1. Rajini Krishnan
2. Rajiv Sethu
3. Kevin Kuintal
4. Alwin Sundar

Correct Option - 2

Que. 75 When a piece of stone tied to a thread is rotated on a horizontal circular path, then velocity of the piece of stone at a point will act along :

1. perpendicular to the circular path acting outward along radius of the circle
2. tangential to the circular path at that point
3. perpendicular to the plane of the circular path.
4. toward centre of the circular path

Correct Option - 2

Que. 76 Who among the following was the propounder of Ryotwari system?

1. Lord Cornwallis
2. Thomas Munro
3. Sir John Shore
4. Warren Hastings

Correct Option - 2

Que. 77 Who is the regulatory authority of Micro Financial Companies (a type of Non- banking financial companies) in India?

1. Reserve Bank of India
2. National Housing Bank
3. Department of Company Affairs of Govt. of India
4. Securities and Exchange Board of India

Correct Option - 1

Que. 78 Which blood vessels are composed of a single endothelial layer?

1. Arteries
2. Veins
3. Capillaries
4. Atrium

Correct Option - 3

Que. 79 What is 'SARVATRA' of DRDO ?

1. Satellite phone
2. Mobile phone
3. Mobile bridge making facility
4. Mobile tower

Correct Option - 3

Que. 80 Global Gender Gap Report is released by-

1. World Economic Forum
2. Transparency International
3. UNEP
4. World Bank

Correct Option - 1

Que. 81 Operation Flood is related to:

1. control flood
2. produce fish
3. milk production
4. foodgrain production

Correct Option - 3

Que. 82 The audible range of frequencies for human being is-

1. 2 Hz to 20 Hz
2. 20 kHz to 200 kHz
3. 20 Hz to 20 kHz
4. 200 kHz to 300 kHz

Correct Option - 3

Que. 83 Rohan purchases 450 shares of face value (nominal value) ₹25 at par. If a dividend of ₹675 received at the end of the year, then the rate of dividend is -

1. 4%
2. 5%
3. 5.5%
4. 6%

Correct Option - 1

Que. 84 The most widely used antipyretic is -

1. salicylic acid
2. phenacetin
3. paracetamol
4. aspirin

Correct Option - 3

Que. 85 Who among the following as a non- member can participate in the proceedings of a house of Parliament?

- 1. Vice President
- 2. Chief Justice of India
- 3. Attorney General of India
- 4. Chief Election Commissioner

Correct Option - 3

Que. 86 Match List I with List II.

List - I		List - II	
(a)	Kalibanga	1)	Bhuj-Kachchh
(b)	Surkotada	2)	Sindh
(c)	Kot Diji	3)	Rajasthan
(d)	Banawali	4)	Haryana

- 1. a - 2, b - 4, c - 3, d - 1
- 2. a - 3, b - 1, c - 2, d - 4
- 3. a - 2, b - 1, c - 3, d - 4
- 4. a - 3, b - 4, c - 2, d - 1

Correct Option - 2

Que. 87 The northern-most point of Ganga Delta is -

- 1. Namcha Barua
- 2. Farakka
- 3. Kolkata
- 4. Dhaka

Correct Option - 2

Que. 88 Near point of the eye for a young adult with normal vision is at

- 1. 10 cm
- 2. 15 cm
- 3. 20 cm
- 4. 25 cm

Correct Option - 4

Que. 89 Which Portuguese Sailor (Navigator) discovered Eastern Islands?

- 1. Amerigo
- 2. Vasco-da-gama
- 3. Marcopolo

4. Columbus

Correct Option - 2

Que. 90 Definition of Marginal Propensity to Consume (MPC) is:

1. $\frac{C}{Y}$
2. $\frac{\Delta C}{\Delta Y}$
3. $\frac{S}{Y}$
4. $\frac{\Delta S}{\Delta Y}$

Correct Option - 2

Que. 91 Dihang Pass is located in _____ state in India.

1. Nagaland
2. Sikkim
3. Meghalaya
4. Arunachal Pradesh

Correct Option - 4

Que. 92 Which among the following plants are being used for production of biodiesel.
Choose the appropriate option:

- a. Karanj
 - b. Mahua
 - c. Jatropha
 - d. Castor
-
1. a and c
 2. b, c and d
 3. a, c and d
 4. a, b, c and d

Correct Option - 4

Que. 93 HUN is a cultural festival celebrated in which Indian State ?

1. Assam
2. Tripura
3. Meghalaya
4. Manipur

Correct Option - 4

Que. 94 A perfectly competitive market has following features:

- (i) Market consists of large number of buyers and sellers
- (ii) All firms produce homogeneous goods
- (iii) Each buyer and seller is a price-taker

Choose the correct option -

- 1. (i) and (ii)
- 2. Only (i)
- 3. (ii) and (iii)
- 4. All (i), (ii) and (iii)

Correct Option - 4

Que. 95 'Edge of time' is the biography of which of the following personality?

- 1. Sania Mirza
- 2. Kalpana Chawla
- 3. Deepika Padukone
- 4. Priyanka Gandhi

Correct Option - 2

Que. 96 The relation between force and acceleration of a body is given by-

- 1. Newton's first law of motion
- 2. Newton's second law of motion
- 3. Newton's third law of motion
- 4. Newton's fourth law of motion

Correct Option - 2

Que. 97 Durgawati waterfall is situated in _____ district of Bihar.

- 1. Aurangabad
- 2. Kaimur
- 3. Buxar
- 4. Bhojpur

Correct Option - 2

Que. 98 Pipe A can fill an empty tank in 6 hours and pipe B in 8 hours. If both the pipes are opened and after 2 hours pipe A is closed. how much time B will take to fill the remaining tank?

- 1. $2\frac{1}{2}$ hrs
- 2. $3\frac{1}{3}$ hrs
- 3. $4\frac{2}{3}$ hrs

4. $5\frac{1}{2}$ hrs

Correct Option - 2

Que. 99 Whose main functions is to have regulatory control over the import of drugs, approval of new drugs and clinical trials?

1. ICC
2. ISSDA
3. CDSCO
4. FSSAI

Correct Option - 3

Que. 100 Which of the following is an example of public sector ?

1. Railway
2. TISCO
3. Reliance Industry
4. Hindustan Unilever

Correct Option - 1

