Time: 1 hour indiresult.in whatsapp - 9352018749 Full Marks : 100



Each question carries 1 mark

There is negative marking of 0.25 mark for each wrong answer.

Answer all questions, choosing the correct one from the alternatives suggested and darken the appropriate circle using BLUE or BLACK BALL POINT PEN.

- Which city has been the venue of the 1. South Asian Winter Games held in December, 2019?
 - Dhaka (1)
 - Kabul (2)
 - (3)Kathmandu
 - Thimphu (4)
- With which country has India signed 2. the 'Polar Science Cooperation Agreement' of late?
 - Denmark (1)
 - Norway (2)
 - Russia (3)
 - (4)Sweden
- Akkitham Achuthan Namboothiri, the 3. recipient of the Jnanpith Award for the year 2019, is a:

- (2)Novelist
- (3)Playwright
- (4) Poet
- The Islamic State sponsored terrorist, 4. Ushman Khan, was involved in which of the following incidents recently?
 - Car bombing in Syria (1)
 - London Bridge stabbing (2)
 - Shooting in Mali (3)
 - Suicide bombing in Indonesia (4)
- Tijjani Muhammad-Bande of Nigeria 5. is currently the :
 - and Managing Director (1)Chairperson of the IMF
 - Executive Director of the (2) UNICEF
 - President of the UN General (3) Assembly indiresult.in whatsapp - 9352018749
 - Secretary General of the (4) UNCTAD

Critic and Columnist (1)

NL-1D/11

(3)

(Turn over)

indiresult.in whatsapp - 9352018749 6. Which of the following was the only

- Which of the following was the only Harappan city without a citadel?
 - (1) Chanhu-daro
 - (2) Kalibangan
 - (3) Lothal
 - (4) Ropar
- Aryans were primarily :
 - (1) Horse traders
 - (2) Semi-nomadic pastoralists
 - (3) Settled agriculturists
 - (4) Warriors
- 8. Which of the following Vedas is a collection of melodies?
 - (1) Atharva Veda
 - (2) Rig Veda
 - (3) Sama Veda
 - (4) Yajur Veda
- 9. Which among the following concepts was added by Vardhaman Mahabira to the teachings of the Jain Tirthankar Parswanath?
 - (1) Celibacy
 - (2) Non-injury
 - (3) Non-possession
 - (4) Non-stealing
- 10. Match each of the following
 'Mahajanapadas' in Column A with

Mahajanapadas'i

INDIRESULTE VOUR SUCCESS PARTNER

their 'Capitals' in Column – B and select the correct answer set from the table given below.

Column - A	Column - B
------------	------------

- (a) Assaka
- (i) Kaushambi
- (b) Avanti
- (ii) Paudanya
- (c) Kosala
- (iii) Shravasti
- (d) Matsya
- (iv) Ujjaini
- (e) Vatsa
- (v) Vaishali
 - (vi) Viratnagar

Answers

(1)	(a) - ii	(b) - iv	(c) - iii	(d) – vi	(e)-v
(2)	(a) - ii	(b)-iv	(c) - iii	(d) vi	(e)-i
(3)	(a)-iii	(b) - v	(c) - ii	(d) - vi	(e)-i
(4)	(a) - ii	(b) - iv	(c) – iii	(d) - v	(e)-i

- In the Sarnath inscription Emperor Ashoka's name appears as :
 - (1) Buddhashakya
 - (2) Debanampiya
 - (3) Dharmashoka
 - (4) Piyadassi

(4.)

12. Which of the following pairs of dynasties that ruled Kalinga and their prominent Kings is correctly matched?

> indiresult.in whatsapp - 9352018749 (1) Bhauma Dynasty – Sailobhava

- (2) Cheti Dynasty Kharavela
- (3) Satavahana Dynasty Yayati
- (4) Soma Dynasty Pulakesi

Contd.

- 13. Who among the following Central Asian rulers in India had started the 'Saka Era'?
 - (1) The Indo-Greeks
 - (2) The Kushans
 - (3) The Parthians
 - (4) The Scythians
- 14. Which of the following pair of the Gupta rulers and their adopted titles is incorrectly matched?
 - Chandragupta I Simhavikrama
 - Chandragupta II Vikramaditya
 - (3) Kumaragupta-I-Mahendraditya
 - (4) Samudragupta Vikramanka
- 15. Three of the following literary works is the contribution of the famous king Harsha Vardhana, while the other one has been written by Banabhatta, who adorned his court. Identify the contribution of Banabhatta;
 - (1) Kadambari
 - (2) Nagananda
 - (3) Ratnavali
 - (4) Priyadarshika
- 16. Who among the following Chola Kings had founded the largest dominion in South India?
 - (1) Aditya I
 - (2) Parantaka I
 - (3) Rajaraja I
- (4) Rajendra I



- 17. To which of the following Rajput dans did the famous King Raja Bhoj belong?
 - (1) Chandellas
 - (2) Parmars
 - (3) Pratiharas
 - (4) Solankis
- 18. By virtue of his win in which of the following battles Babur got the opportunity to expand his small principality into a big empire?
 - (1) Battle of Chanderi
 - (2) Battle of Ghagra
 - (3) Battle of Khanwa
 - (4) Battle of Panipat
- 19. Which of the following taxes was exclusively imposed on the non-Muslims by Firoz Shah Tughlaq?
 - (1) Jajiya
 - (2) Khams
 - (3) Kharaj
 - (4) Zakat

indiresult.in whatsapp - 9352018749

- 20. The greatest musician Tansen, who adorned Akbar's court, was the follower of:
 - (1) The Chisti order
 - (2) The Firdausi order
 - (3) The Shattari order
 - (4) The Suharwadi order

- 21. Which of the following Peshwa rulers had signed the 'Treaty of Bassein' with the British?
 - (1) Baji Rao II
 - (2) Madho Rao
 - (3) Madho Rao Narayan
 - (4) Narayan Rao
- 22. During the tenure of which Governor General of the East India Company was the Anglo-Nepal War fought?
 - (1) Lord Amherst
 - (2) Lord Hastings
 - (3) Lord Minto I
 - (4) Lord William Bentinck
- 23. During the British rule in India, the Ahmedia Movement was started by:
 - (1) Mirza Ghulam Ahmed
 - (2) Muhammad Qasim Nanautavi
 - (3) Rashid Ahmed Gangohi
 - (4) Sir Syyed Ahmed Khan
- 24. Who was the Viceroy of the British India during 1869-1872?
 - (1) Lord Elgin
 - (2) Lord Lawrence
 - (3) Lord Mayo
- (4) Lord Northbrook



- 25. Three of the Lord Irwin, the Viceroy the tenure of Lord Irwin, the Viceroy of British India. Which is the other one?
 - (1) Civil Disobedience Movement
 - (2) Dandi March
 - (3) Kakory Train Robbery
 - (4) Visit of Simon Commission to
- Find the wrong word in the following sentence:
 Her parents insisted on me attending the marriage of their only daughter.
 - (1) Attending
 - (2) Me
 - (3) On
 - (4) Only
- 27. Fill in the blank in the following sentence with the correct preposition:
 Ail the members present in the meeting agreed _____ my proposal.
 - on
 - (2) to
 - (3) upon
 - (4) with indiresult.in whatsapp 9352018749
- 28. Which is the superlative form of the word 'bad'?
 - (1) Most bad
 - (2) Very bad
 - (3) Worse
 - (4) Worst

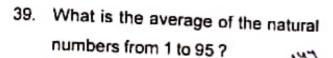
(6)

29. Which will be the first word if the		Find the wrong part by its number
accident is transformed to	33	Find the wrong part by he below:
voice ?		"off the senterior wife wife
(1) His		to wait for him near the gate (2)
(2) Leg		until (3) he did not come back(4)
(3) Sachin		(1) 1
(4) Sachin's		(2) 2
		(3) 3
THE STATE OF THE S		(4) 4
The follows	34,	
	,	What is the one word substitute for the expression "the things that have
Everyone is allowed to express		no life"?
opinion.		
(1) her		(1) Inactive
(2) his		(2) Inanimate
(3) one's		(3) Unanimate
(4) own		(4) Unlively
31. Find the right yerb to fill in the black	35.	and is the appropriate phrasal
and right verb to fill in the blank		verb for the word "postpone" in the
in the following sentence:		following sentence?
either of you seen my		The Chairman had to postpone the meeting.
purse ?		(1) put of
(1) Did		(2) put off
(2) Has		, NA 3
(3) Have		(3) put out
(4) Was		(4) pulup indiresult.in whatsapp - 9352018749
2. What and of annual is the	36.	By reversing both the digits of the
2. What part of speech is the word		number B we get the number A. If the
'lenient' ?		number A is greater than the number
(1) Adjective		B by 45, find the number A:
(2) Adverb		(1) 54
		(2) 63
11/		(3) 72
(4) Preposition		(4) 81
VOUR SUCCESS PARTNER - 1D/11 (7)		·
1D/11 (7)		(Turn over)
n -		

37. Find the value of:

[(3 × 3 × 3 × 3 × 3)6 + (3 × 3 × 3 ×

- $3)^7 \times 3^4$
- 3¹⁵ (1)
- 3²⁰ (2)
- 274 (3)
- 27⁹ (4)
- The sum of squares of two numbers is 225 and the difference between the two numbers is 3. Find the two numbers:
 - (1)10 and 7
 - (2) 12 and 9
 - (3)15 and 12
 - (4)17 and 14



- (1) 47.5
- (2)48
- (3)96
- (4)105
- 40. The ratio of the areas of two squares is 1:4, What is the ratio of their perimeters?
 - (1)1:2
 - (2)1:4
 - (3) 1:6



(8)



by:

- (1) 3
- (2)5
- (3) 7
- (4)11
- 42. Find the value of $\sqrt{\frac{125}{2}}$ by taking the value of √10 as 3.16:
 - (1) 6.50
 - -(2)7.90
 - 10.15
 - (3)10.75 (4)Which among the following numbers
- 43. is the least of the four?
 - 0.2 (1)
 - 0.2 (2)
 - $(0.2)^2$ (3)
 - (4)
 - Some chocolates were purchased out of which 2/5th was distributed among the students of Class - I and thereafter, 3/4th of the remainder were distributed among the students of Class - II. If still 75 chocolates were left out, then how many chocolate

were purchased? indiresult.in whatsapp - 9352018749

- (1)250
- (2)500
- (3) 750
- (4)1000

15. Find the value of p by simplifying the following equation:

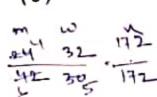
0.07×431 1293 × 8.4 0.5 $0.03 \times p$

- 3000 (1)
- 3333 (2)
- 6000 (3)
- 9000 (4)
- The average of the ages of Dipak and 46. Suresh is 30 years, while the average of the ages of Suresh and Sumit is 32 years. If the average of the ages of Sumit and Dipak is 34, then what is the age of Sumit?
 - 34 (1)
 - 35 (2)
 - 36 (3)
 - 37 . (4)
- Hari covers a distance in 6 minutes 47. at the speed of 24 km per hour. what will be his speed if he wants to return back to his starting point in 8 minutes?
 - 15 km/hour (1)
 - 18 km/hour (2)
 - 21 km/hour (3)
 - 24 km/hour (4)

If 24 men or 32 women can do a work in 172 days, how long will 42 men and 30 women take to do the same work?









- 64 (2)
- 75 (3)
- Two trains A and B leave Howrah for Chennai at 8:00 pm and 8:30 pm respectively and run nonstop at speeds of 90 km/hr and 120 km/hr. respectively. At what distance from Howrah, will the two trains meet?
 - 120 km (1)
 - 180 km (2)
 - 240 km (3)
 - 360 km (4)
- 50. A fixed deposit of Rs. 1,00,000 in a interest bank earns an Rs. 14,490 @7% compounded annually What is the time period of the deposit?
 - 13 years (1)
 - 2 years (2)
 - 2½ years (3)
 - 3 years
- indiresult.in whatsapp 9352018749 P. Q and R together invested 51. Rs. 50,000 for a business. P subscribed Rs. 4,000 more than Q while Q subscribed Rs. 5,000 more than R. What will be P's share if the total profit is Rs. 25,000 at the end of the year?
 - Rs. 6,000 (1)
 - Rs. 8,500 (2)
 - Rs. 10,500 (3)
 - Rs. 13,600 (4)

Turn over)

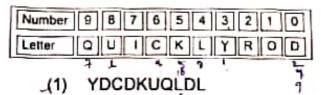
- number of three articles P, Q and R in the proportion 3:2:3 by paying a total amount of Rs.4,800. If the unit costs of the articles P, Q and R are Rs. 200, Rs. 90 and Rs. 60 respectively, how many articles of Q must have been purchased by her?
 - (1) 8
 - (2) 10
 - (3) 12
 - (4) 14
- 53. Three numbers are in the ratio of $\frac{1}{2}:\frac{2}{3}:\frac{3}{4}$. If the difference between the smallest and largest numbers is 36, find the numbers:
 - (1) 60, 72, 96
 - (2) 72, 84, 96
 - (3) 72, 84, 108
 - (4) 72, 96, 108
- 54. If 'air' is called 'green', 'green' is called 'red', 'red' is called 'sea', 'sea' is called 'blue', 'blue' is called 'water' and 'water' is called 'pink', then what will be the colour of grass called?
 - (1) Air
 - (2) Green
 - (3) Pink





55. Which number will replace the '?'
mark in the following series?

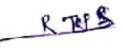
- (2) 37
- (3) 42
- (4) 44
- 56. In the following table the digits vis-à-vis coded letters are given. What will be the code of the number: 3060589404?



- (2) YDCDKQULDL
- (3) YDCDKULODL
- (4) YDCDKUDLQL
- LUCDKARI
- 57. In a class five students P, Q, R, S and T are sitting in a row facing to the south in the following formation. Which two are at the extreme ends?
 Formation: R is immediate right of T and S is immediate left of P, while Q is in between P and T.

indiresult.in whatsapp - 9352018749

- Q and P
- (2) Q and T
- (3) R and S
- (4) S and T



INDIRESULTED VOUR SUCCESS PARTNER

- 58. Sameer walks 50 meters facing north and then turns anticlockwise by 270° and walks further for 50 meters. Then he turns clockwise by 45° and walks another 50 meters. Which direction is he facing now?
 - (1) North-East
 - (2) North-West
 - (3) South-East
 - (4) South-West
- 59. How many times the hands of a clock are at right angles to each other in 24 hours?
 - (1) 22
 - (2) 24
 - (3) 44
 - (4) 48
- 60. Pointing to a photograph the man said, "The lady in the photograph is my nephew's maternal grandmother". How is the lady in the photograph related to the man's sister who has no other sister?
 - (1) Cousin
 - (2) Mother
 - (3) Mother-in-law
- (4) Sister-in-law

NL – 1D/11

- Potassium graphite and calcium graphite can be mostly used as:
 - (1) Lubricants
 - (2) Moderators
 - (3) Semi-conductors
 - (4) Superconductors
- 62. Which among the following is the world's first fully synthetic plastic?
 - (1) Bakelite
 - (2) Nylon
 - (3) Polyester
 - (4) Polyethylene
- 63. Which among the following does provide colours to fine-cut diamond?
 - Existence of definite planar layers
 - (2) Presence of impurities
 - (3) Variance in refractive index
 - (4) Variance in transparency of diamond indiresult.in whatsapp 9352018749
- 64. Now-a-days aluminium has become popular as a 'green metal'. Which of the following properties of aluminium makes it the so called green metal?
 - It is a light metal resistant to corrosion.
 - (2) It is a replacement for wood that saves the forest and environment.
 - (3) It has a high rate of recycling and can be re-used many times.
 - (4) The land can be restored very quickly after the mining of bauxite.

(Turn over)

- 65. For the production of which of the following is the 'Haber Process' used?
 - (1) Ammonia
 - (2) Nitrates
 - (3) Potash
 - (4) Urea
- 66. Which type of chemical reaction is responsible for turning the rocks red or yellowish?
 - Carbonation.
 - (2) Exfoliation
 - (3) Hydration
 - (4) Oxidation
- 67. Which among the following is called the 'Fool's Gold'?
 - (1) Brass
 - Copper sulphate
 - (3) Iron sulphide
 - (4) Silver bromide
- 68. Which among the following is used in making windows for the X-ray tubes?
 - (1) Barium
 - (2) Beryllium
 - (3) Calcium
 - (4) Magnesium
- 69. Which of the following had not been discovered by the time when Mendeleev published his periodic table?
- (1) Actinides INDIRESULT

- (2) Halogens
- (3) Lanthanides INDIE
- (4) Noble gases
- 70. Which among the following pairs is not correctly matched?
 - (1) Arsenic Stibium
 - (2) Mercury Hydrargyrum
 - (3) Potassium Kalium
 - (4) Sodium Natrium
- 71. On which of the following scientific principles is an electric generator based?
 - (1) Faraday's Law of electromagnetic induction
 - (2) Law of thermodynamics
 - (3) Newton's law of motion
 - (4) Superconductivity
- 72. Who among the following is credited for the discovery of the 'Expanding Universe'?
 - (1) Alexander Friedman
 - (2) Edwin Hubble
 - (3) Georges Lematire
- (4) Willem de Sitterindiresult.in whatsapp 935201874973. Knot is the unit of :
 - (1) Acceleration
 - (2) Depth
 - (3) Distance
 - (4) Speed

Contd

- The Atomic Clock is based on the periodic variations produced in the atom of which of the following elements?
 - . (1) Barium
 - Caesium (2)
 - Magnesium (3)
 - Sodium (4)
- The work done to move a unit charge from a point to another is called:
 - Conductance (1)
 - (2) Current
 - Potential difference (3)
 - Resistance (4)
- 76. Which among the following is a nonconservative force?
 - Electrostatic force (1)
 - Frictional force (2)
 - Magnetic force (3)
 - · (4) Spring force
- 77. The inability of a body to change its state of rest or uniform motion by itself is known as :
 - Displacement (1)
 - (2) Force
 - (3) Inertia
 - Momentum (4)

NDIRESULT■

- 78. In which of the following cases the apparent weight of a body in an elevator becomes zero?
 - During free fall of a body under gravity



i5

- elevator the accelerating downwards (2)
- elevator When the (3) accelerating upwards
- When the elevator is at rest (4)
- 79. When a body is immersed in a liquid the upward force experienced by it is known as :
 - (1) Buoyant force
 - (2)Centrifugal force
 - (3) Hydraulic force
 - (4) Tangential force
 - 80. Which of the following is responsible for the production of an echo?
 - Absorption of sound waves (1)
 - (2) Reflection of sound waves
 - Refraction of sound waves (3)
 - Transmission of sound waves (4)
 - 81. Which of the following is not a component of chlorophyll?
 - (1) Calcium
 - Carbon (2)
 - Hydrogen (3)
 - (4) Magnesium indiresult.in whatsapp - 9352018749
 - Which of the following plants 82. reproduces itself by means of spores?
 - Coriander (1)
 - Fem (2)
 - Mustard (3)
 - Petunia (4)

(Turn over)



- Which floral part in the plants 83. produces the pollen grains?
 - Anther (1)
 - Ovary (2)
 - Petal (3)
 - Sepal (4)
- Animals : Haemoglobin : : Plants :
 - Carotene (1)
 - Cellulose (2)
 - Chlorophyll (3)
 - Cytochrome (4)
- 85. Which among the following are the non-green heterotrophic plants?
 - (1) Algae
 - (2)Fems
 - (3)Fungi
 - (4)Mosses
- 86. Which among the following is a large spectrum antibiotic?
 - (1) Ampicillin
 - (2)Chloramphenicol
 - (3) Paracetamol
 - (4)Penicillin
- 87. From which of the following animals is 'Angora Wool' obtained?
 - (1)Fox
 - (2)Goat
 - (3)Rabbit
 - Sheep



Match each of the following factors in Column - A with the corresponding



diseases in Column - B and select the correct answer set from the table given below.

Column - A

Column - B

- (a) Bacteria
- (b) Fungi
- (c) Helminthes
- eozolorq (b) (e) Virus
- Amoebiasis (ii) Elephantiasis
- (iii) Hydrophobia
- (iv) Osteomalacia (v) Pertussis
- (vi) Ring worm

Answers

144	(1) (a)-v (b)-vi (c)-ii (d)-i (e)-iii					
(1)	(a)-y	(b) - vi	(c)-II	(d) - i	(e)-iii	
(2)	(a) - iv	(b) – vi	(c)-ii	(d)-1	(e)-v	
(3)	(a) - v	(b) - iv	(c)-#	(d) - vi	(e) - iii	
(4)	(a)-v	(b) - vi	(c)-iv	(d)-i	(e) - iii	

- 89. In which part of the human body is the pituitary gland located?
 - (1) Brain
 - (2)Intestine
 - (3)Kidney
 - (4)Liver
- 90. Which of the following is a female sex hormone?
 - (1)Androgen
 - (2)Estrogen
 - Insulin (3)
 - (4) Oxytocin
- indiresult.in whatsapp 9352018749 Who is the Chairman-cum-Managing 91. Director of the National Aluminium Company at present?
 - Dr. Tapan Kumar Chand (1)
 - Shri Anshuman Das (2)
 - Shri Sridhar Patra (3)
 - Shri V. Balsubrahmanyam (4)

NL - 1D/11

(14)

Contd.

- indiresult.in whatsapp 9352018749
- c2. What is the current GDP growth rate in India?
 - (1) 4.5%
 - (2) 5.0%
 - (3) 5.5%
 - (4) 6.6%
- 93. Which country has been imposed a ban by the World Anti Doping Agency?
 - (1) Spain
 - (2) Russia
 - (3) USA
 - (4) India
- 94. India has signed an MoU with which country to prevent human trafficking?
 - (1) China
 - (2) Sri Lanka
 - (3) Myanmar
 - (4) Japan
- 95. Who has become the winner of the Femina Miss India beauty pageant, 2019?
 - (1) Sanjana Vij
 - (2) Shivani Jadav
 - (3) Shreya Shankar
 - (4) Suman Rao
- 96. Who is the newly elected President of Sri Lanka?
 - (1) Mr. Chamal Rajapaksa
 - (2) Mr. Gotabaya Rajapaksa
 - (3) Mr. Maithripala Sirisena
 - (4) Mr. Sajith Premadasa





- Who has bagged the maximum number of wickets in the recently played 2nd Test match between India and Bangladesh?
 - (1) Ebadat Hossain
 - (2) Ishant Shanna
 - (3) Mohammed Shami
 - (4) Umesh Yadav
- 98. To which of the following countries our Prime Minister Mr. Narendra Modi has paid a visit in December, 2019?
 - (1) Brazil
 - (2) Saudi Arabia
 - (3) Spain
 - (4) Thailand
 - 99. Which film has won the Golden Peacock Award at the 50th International Film Festival of India?
 - (1) Jallikattu
 - (2) Mai Ghatt
 - (3) Marighella
 - (4) Particles
 - 100. Which missile has been successfully test-fired by the Indian Army from Mhow in Madhya Pradesh recently?
 - (1) Agni V
 - (2) Astra
 - (3) K-4
 - (4) Spike LR indiresult.in whatsapp 9352018749