

Campus				
K D Campus Pvt. Ltd 1997, ground floor opposite mukherjee nagar police station, outram lines, gtb nagar, new delhi–09				
27.	(C) Savitribai Phule was the wife of Jyotirao	human races.		
28.	 Phule. They founded the first indian girls school in Pune, in 1848. (D) Current Repo Rate - 5.15% Current Reverse Repo Rate - 4.90% Current Standing Facility Rate - 5.40% 	 Carpology - the study of fruits and seeds. Chrematistics - study of wealth 48. (D) Max Planck won Nobel prize in physics in 1918 for the discovery of energy guarteeum 		
29.	(B) The religious establishment at Sanchi	The Diode Bulb was discovered by J.S. Fleming in 1904.		
30.	 was founded by Asoka (c.272-237bc) (D) Sharda Barrage (UP) - Sharda river. Tanakpur Barrage - Mahakali river. (Uttarakhand) Chukka Project - Between India and Distance India Content of the India and 	Enrico Fermi was awarded the 1938 Nobel prize in physics for his work on induced radioactivity and discovery of transuranium elements. 50. (B) An Area of Darkness was written by		
31.	(C) World Food programme was founded on 19 Dec, 1961. Its head is David Beasley. Its operations are funded by voluntary donations from governments of the world, corporations and private	V.S.Maipaul. 51. (A) $\sin^6 A + \cos^6 A = (\sin^2 A + \cos^2 A)(\sin^4 A + \cos^4 A - \sin^2 A \cos A)$ = 1($\sin^2 A + \sin A$) ² - 2 $\sin^2 A \cos^2 A - \sin^2 A \cos^2 A$) = (1 - 3 $\sin^2 A \cos^2 A$) $\sin \theta + \cos \theta$ 5		
32.	donors.(C) Femur (thigh bone), is the proximal bone of the hind limb in tetrapod	52. (A) $\frac{\sin\theta + \cos\theta}{\sin\theta - \cos\theta} = \frac{3}{4} \Rightarrow \tan\theta = 9$ $\Rightarrow \frac{\tan^2\theta + 1}{4} = \frac{81 + 1}{4} = \frac{82}{4} = \frac{41}{4}$		
33.	 vertebrates and of the human thigh. (D) Top five currencies of the world Kuwaiti → Dinar Bahrain → Dinar Oman → Rial Jordan → Dinar 	53. (D) Ratio of sides = 6:4:3 Required difference = $\frac{182}{13}(6-3)$ = 14 × 3 = 42 cm		
34.	 5. British → Pound Sterling (C) Birla institute of Technology and Science, Pilani is deemed university under section 3 of the UGC act, 1956. It was established in 1964. Its motto is Knowledge is Supreme Power. It is one of the six institutes to be awarded the Institute of Eminence status in 2018. I.I.T Kharagpur was established in 1951. Its motto is Excellence in Action is Yoga. It was awarded the status of Institute of Eminence in 2019. I.I.T Roorke was established in 1847. Its motto is Nothing Can be Achieved Without Hard Work. B.H.U. Varanasi was established 1919. 	54. (C) $\frac{l}{p} = \frac{5}{16} \Rightarrow \frac{p}{l} = \frac{16}{5} \Rightarrow \frac{2(l+b)}{l} = \frac{16}{5}$ $\Rightarrow 2\left(1+\frac{b}{l}\right) = \frac{16}{5} \Rightarrow 1+\frac{b}{l} = \frac{8}{5}$ $\Rightarrow \frac{b}{l} = \frac{3}{5} \Rightarrow \frac{l}{b} = \frac{5}{3}$ 55. (C) $x^4 + \frac{1}{x^4} = 322$ (i) Adding 2 both in equation (i) both sides $x^2 + \frac{1}{x^2} = 18$ (ii) Substracting 2 in equation (ii) both sides		
37.	(D) Golden Quadilateral is managed by National Highway Authority of India (NHAI). It connects Delhi, Kolkata, Mumbai and Chennai. The project was planned by 1919, launched in 2001 and was completed in 2012	$x - \frac{1}{x} = 18 \qquad \dots (iii)$ Taking cube of eq ⁿ (iii) $\left(x - \frac{1}{x}\right)^3 = 43$		
38. 44. 45.	 (D) Dry Ice - D₂O (D) Red worms do not have teeth. (D) On September 1615, Sir Thomas Roe arrived at the Surat port. 	$\Rightarrow x^3 - \frac{1}{x^3} - 3\left(x - \frac{1}{x}\right) = 64$		
46.	(A) Craniology - the scientific study of the shape and size of skulls of different	$\Rightarrow x^3 - \frac{1}{x^3} = 64 + 3 \times 4 = 76$		
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MEANINGS IN ALPHABETICAL ORDER

Aggressive	ready to attack or confront	आक्रमक
Agility	ability to move quickly	लचीलापन
Absolute	not qualified in any way; total	पूर्ण
Ballad	a long song or poem that tells a story often about love	गाथागीत
Bouquet	an attractively bunch of flowers	गुलदस्ता
Conscious	aware of one's surroundings	सचेत
Contradictory	mutually opposed	परस्पर विरोधी
Condemn	express complete disapproval of; censure	निंदा करना
Dejected	sad and depressed; dispirited	उदास, अवसाद में
Exhaust	make someone very tired	थकना
Exhibit	publicly display a work of art or item of interest	प्रदर्शन करना
Exhale	breathe out	साँस छोड़ना
Extract	remove or take out	सार तत्व निकालना
Exodus	a mass departure of people	प्रस्थान (भारी संख्या में)
Flattering	full of praise and compliments	प्रशंसापूर्ण/चापलूसी
Humiliation	dishonour, embarrassment, disgrace, indignity	अपमान
Hymn	a religious song or poem of praise to God	भजन
Irrevocable	not able to be changed	स्थिर/अपरिवर्तनीय
Indifferent	having no particular interest or sympathy; unconcerned	उदासीन
Infallible	incapable of making mistakes	अचूक
Inhabitant	a person or animal that lives in or occupies a place	निवासी
Miracle	a remarkable event that brings very welcome	चमत्कार
	consequences	
Obligatory	required by a legal, moral or other rule; compulsory	अनिवार्य
Overcome	succeed in dealing with a difficulty	काबू पाना, पार पाना, उबरना
Peaceful	free from disturbance, tranquil	शांतिपूर्वक
Quiescent	in a state or period of inactivity or dormancy	सुस्ती/स्थिर
Reckless	heedless of the consequences of one's action;	लापरवाह
	rash or impetuous	
Refund	pay back money	धन की वापसी
Retaliate	make an attack in return for a similar attack	प्रतिकार करना
Scintillating	sparkling or shining brightly	चमकना
Sonnet	a poem of fourteen lines	गाथा (14 पंक्तियों का)
Stinging	capable of wounding or piercing with a sting	चुभनीय
Sarcasm	the use of irony to mock or convey contempt	व्यंग्य
Tendency	an inclination towards a particular type of behaviour	प्रवृत्ति
Transformation	a marked change in form, nature or appearance	परिवर्तन
Vital	absolutely necessary; essential	महत्त्वपूर्ण

