

Subject Code : 107 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
107	17-12-2020	301	Where is the elephant festival celebrated annually? (A) Ajmer (B) Sriganganagar (C) Jodhpur (D) Jaipur	(D)
107	17-12-2020	302	Where did Gautama Buddha attain enlightenment? (A) Bodh Gaya (B) Amarnath (C) Kushinagar (D) Lumbini	(A)
107	17-12-2020	303	In which language original Lok Sabha debates are printed? (A) Hindi (B) English (C) Sanskrit (D) Hindi & English	(D)
107	17-12-2020	304	The Chief Election Commissioner holds office until attaining the age of – (A) 62 years (B) 65 years (C) 60 years (D) 55 years	(B)
107	17-12-2020	305	Author of Laila Majnu and Tughlaq Nama	(A)

			<p>(A) Amir Khusru</p> <p>(B) Ghazi Malik</p> <p>(C) Juna Khan</p> <p>(D) None of the options</p>	
107	17-12-2020	306	<p>25% of 960 + 55% of 740 = ?</p> <p>(A) 689</p> <p>(B) 647</p> <p>(C) 650</p> <p>(D) 699</p>	(B)
107	17-12-2020	307	<p><math>100 \times 10 - 100 + 2000 \div 100 = ?</math></p> <p>(A) 29</p> <p>(B) 780</p> <p>(C) 920</p> <p>(D) 979</p>	(C)
107	17-12-2020	308	<p>The sum of two numbers is ten. Their product is twenty. Find the sum of the reciprocals of the two numbers.</p> <p>(A) 1</p> <p>(B) <math>\frac{3}{5}</math></p> <p>(C) <math>\frac{1}{2}</math></p> <p>(D) <math>\frac{11}{6}</math></p>	(A)
107	17-12-2020	309	<p>Average of the ages of Rakesh, Mahesh, Suresh and Ramesh three years ago was 32 years. Average of the present ages of Mahesh and Suresh is 36 years. Ramesh is 4 years older than Rakesh. Find the present age of Rakesh.</p> <p>(A) 32 years</p> <p>(B) 36 years</p>	(A)

			(C) 34 years (D) 38 years	
107	17-12-2020	310	12500 students appeared in an exam. 50% of the boys and 70% of the girls cleared the examination. If the total percent of students qualifying is 60%, how many girls appeared in the exam?  (A) 6500 (B) 6200 (C) 5500 (D) 6250	(D)
107	17-12-2020	311	Which of the following terminals does not belong to the MOSFET?  (A) Drain (B) Gate (C) Base (D) Source	(C)
107	17-12-2020	312	How is frequency related to time period?  (A) square proportional (B) not related (C) directly proportional (D) inversely proportional	(D)
107	17-12-2020	313	The output of harmonic oscillator is  (A) Saw tooth wave form (B) Square wave form (C) Sinusoidal wave form (D) Triangular wave form	(C)
107	17-12-2020	314	KCL (Kirchoff's law) is based on the fact that	(B)

			<p>(A) There is a possibility for a node to store energy</p> <p>(B) There cannot be an accumulation of charge at a node</p> <p>(C) Charge accumulation is possible at node</p> <p>(D) Charge accumulation may or may not be possible</p>	
107	17-12-2020	315	<p>If the temperature of a crystal diode increases, then leakage current .....</p> <p>(A) remains the same</p> <p>(B) decreases</p> <p>(C) increases</p> <p>(D) becomes zero</p>	(C)
107	17-12-2020	316	<p>When a PN junction is reverse-biased</p> <p>(A) Holes and electrons tend to concentrate towards the junction</p> <p>(B) The barrier tends to break down</p> <p>(C) Holes and electrons tend to move away from the junction</p> <p>(D) None of the options</p>	(C)
107	17-12-2020	317	<p>The form factor for sine wave is</p> <p>(A) 1</p> <p>(B) 1.11</p> <p>(C) 1.44</p> <p>(D) 1.57</p>	(B)
107	17-12-2020	318	<p>A gate in which all inputs must be low to get a high output is called</p> <p>(A) an inverter</p> <p>(B) a NOR gate</p>	(B)

			<p>(C) an AND gate</p> <p>(D) a NAND gate</p>	
107	17-12-2020	319	<p>The term HTTP stands for</p> <p>(A) Hyper terminal tracing program</p> <p>(B) Hypertext tracing protocol</p> <p>(C) Hypertext transfer protocol</p> <p>(D) Hypertext transfer program</p>	(C)
107	17-12-2020	320	<p>Signal attenuation means</p> <p>(A) amplification</p> <p>(B) transmission</p> <p>(C) sampling</p> <p>(D) weakening</p>	(D)
107	17-12-2020	321	<p>Which one of the following device is uncontrolled?</p> <p>(A) SCR</p> <p>(B) MOSFET</p> <p>(C) Diode</p> <p>(D) TRIAC</p>	(C)
107	17-12-2020	322	<p>Choppers convert</p> <p>(A) AC to DC</p> <p>(B) DC to AC</p> <p>(C) DC to DC</p> <p>(D) AC to AC</p>	(C)
107	17-12-2020	323	<p>How many select lines are required for a 1 to 8 demultiplexer?</p> <p>(A) 2</p> <p>(B) 3</p>	(B)

			(C) 4 (D) 8	
107	17-12-2020	324	What value of voltage will an ac voltmeter display? (A) Average (B) Peak (C) RMS (D) Instantaneous	(C)
107	17-12-2020	325	The SI unit of capacitance is (A) Joule (B) Farad (C) Henry (D) Coulomb	(B)
107	17-12-2020	326	Transistor acts as a switch in which region? (A) Cut-off region (B) Saturated region (C) Active region (D) Inverted region	(B)
107	17-12-2020	327	A unity gain amplifier is also known as (A) difference amplifier (B) comparator (C) voltage follower (D) current follower	(C)
107	17-12-2020	328	An astable multivibrator is also known as (A) One-shot multivibrator (B) Free-running multivibrator	(B)

			(C) Bistable multivibrator (D) Monostable multivibrator	
107	17-12-2020	329	The distance that a signal can travel in the time it takes for one cycle to complete is called (A) Amplitude (B) Frequency (C) Wavelength (D) Period	(C)
107	17-12-2020	330	A single transistor can be used to build which of the following logic gates? (A) AND (B) OR (C) NOT (D) NAND	(C)