

Subject Code : 105 ▾

Subject Code	Exam Date	Q Id	Questions	Answer Key
105	03-12-2020	411	Penicillin, the first among the medications to be effective against many bacterial infections was discovered in 1928 by Scottish scientist named (A) Joseph Black (B) Alexander Fleming (C) Alexander Graham Bell (D) John Napier	(B)
105	03-12-2020	412	Cleanest country in the world (A) Iceland (B) Finland (C) Austria (D) Norway	(A)
105	03-12-2020	413	Which is the largest coffee producing state of India? (A) Kerala (B) Tamil Nadu (C) Karnataka (D) Arunachal Pradesh	(C)
105	03-12-2020	414	First male cricketer to score double century in One Day International cricket match (A) Rohit Sharma (B) Chris Gayle (C) Fakhar Zaman	(D)

			(D) Sachin Tendulkar	
105	03-12-2020	415	First Commander-in-Chief of Free India (A) Rakesh Sharma (B) Baldev Singh (C) Sam Manekshaw (D) Kodandera Madappa Cariappa	(D)
105	03-12-2020	416	Three tenths of 90 equals (A) 18 (B) 45 (C) 27 (D) 36	(C)
105	03-12-2020	417	If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number? (A) 2 : 5 (B) 3 : 7 (C) 5 : 3 (D) 7 : 3	(C)
105	03-12-2020	418	The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is (A) 17 kg (B) 20 kg (C) 26 kg (D) 31 kg	(D)

105	03-12-2020	419	Consider the following series: 26, 21, ..., 11, 6. What is the missing number? (A) 16 (B) 23 (C) 27 (D) 29	(A)
105	03-12-2020	420	Express $71/1000$ as a decimal (A) 0.71 (B) 0.0071 (C) 0.071 (D) 7.1	(C)
105	03-12-2020	421	Armouring is provided in the cable to safeguard against (A) moisture entry (B) white ant (C) bursting of failure (D) mechanical damage	(D)
105	03-12-2020	422	What is the unit of Magneto Motive Force (A) Volt (B) Ampere (C) Ampere-turns (D) Weber	(C)
105	03-12-2020	423	The motor which requires least maintenance is (A) squirrel cage induction motor	(A)

			(B) slip ring induction motor (C) dc series motor (D) dc shunt motor	
105	03-12-2020	424	A fuse rating is expressed in terms of (A) Voltage (B) Current (C) KVA (D) VAR	(B)
105	03-12-2020	425	In a parallel circuit the total resistance is (A) The sum of individual resistances (B) Equal to highest resistance value (C) More than the smallest resistance (D) Less than the smallest resistance of the combination	(D)
105	03-12-2020	426	Which of the following fire extinguisher is suitable for electrical fire? (A) Halon (B) Water (C) Foam (D) Liquefied chemical	(A)

105	03-12-2020	427	<p>The maximum efficiency of transformer is obtained when</p> <p>(A) Copper loss is maximum</p> <p>(B) Copper loss is equal to iron loss</p> <p>(C) Iron loss is maximum</p> <p>(D) Running without loss</p>	(B)
105	03-12-2020	428	<p>A 400-kW, 3-phase, 440-V, 50-Hz induction motor has a speed of 950 r.p.m. on full-load. The machine has 6 poles. The slip of the machine will be</p> <p>(A) 0.06</p> <p>(B) 0.1</p> <p>(C) 0.04</p> <p>(D) 0.05</p>	(D)
105	03-12-2020	429	<p>The effect of increasing the length/id air-gap in an induction motor will be to increase the</p> <p>(A) power factor</p> <p>(B) speed</p> <p>(C) magnetising current</p> <p>(D) air-gap flux</p>	(C)
105	03-12-2020	430	<p>Which of the following parameter can be neglected for a short line</p> <p>(A) Inductance</p> <p>(B) Capacitance</p> <p>(C) Resistance</p> <p>(D) Reactance</p>	(B)

105	03-12-2020	431	<p>Change of D.C. excitation of a synchronous motor changes</p> <p>(A) Applied voltage of the motor</p> <p>(B) Motor speed</p> <p>(C) Power factor of power drawn by the motor</p> <p>(D) Any of the options</p>	(C)
105	03-12-2020	432	<p>A 100W bulb is connected in series with a room heater. If now 100W bulb is replaced by a 40W bulb, the heater output will</p> <p>(A) increase</p> <p>(B) decrease</p> <p>(C) remain the same</p> <p>(D) None of the options</p>	(B)
105	03-12-2020	433	<p>Which of the following types of instrument is an integrating instrument?</p> <p>(A) power factor meter</p> <p>(B) energy meter</p> <p>(C) watt meter</p> <p>(D) frequency meter</p>	(B)
105	03-12-2020	434	<p>Electric pressure is also called</p> <p>(A) resistance</p> <p>(B) power</p> <p>(C) voltage</p> <p>(D) energy</p>	(C)
105	03-12-2020	435	<p>In an electric kettle, water boils in 10 minutes. If it is required to boil the boiler in 15 minutes, using the same supply mains,</p>	(A)

			<p>(A) length of heating element should be decreased</p> <p>(B) length of heating element should be increased</p> <p>(C) length of heating element has no effect on heater</p> <p>(D) None of the options</p>	
105	03-12-2020	436	<p>The capacity of capacitor bank used in power factor correction is expressed in terms of</p> <p>(A) KW</p> <p>(B) KVA</p> <p>(C) KVAr</p> <p>(D) Volt</p>	(C)
105	03-12-2020	437	<p>Which of the following material has least value of dielectric constant ?</p> <p>(A) ceramic</p> <p>(B) oil</p> <p>(C) glass</p> <p>(D) paper</p>	(B)
105	03-12-2020	438	<p>The unit of dielectric strength is given by</p> <p>(A) V/m</p> <p>(B) V^2/m</p> <p>(C) m/V</p> <p>(D) m/V^2</p>	(A)
105	03-12-2020	439	<p>When a 60 Hz sine wave is applied to the input of a half wave rectifier, the output frequency is,</p>	(C)

			(A) 120Hz (B) 30Hz (C) 60Hz (D) 0Hz	
105	03-12-2020	440	To step down 110V AC to 20V AC, the turn ratio of a transformer must be (A) 5.5 (B) 18 (C) 0.18 (D) 0.018	(C)