

Subject Code : 102 ▾

Subject Code	Exam Date	Q Id	Questions	Answer Key
102	29-03-2021	101	Which word is selected as the Oxford Hindi word of 2020?  (A) Aatmanirbharta (B) Samvidhan (C) Mahaa maaree (D) Aadhar	(A)
102	29-03-2021	102	Full form of UNWTO  (A) United World Tour Organization (B) United Nations World Tourism Organization (C) Unit National Wide Trade Organization (D) United Numbering World Testing Organization	(B)
102	29-03-2021	103	Who is the first Indian female cricket player to complete 10,000 international cricket matches, and is also the second female cricket player to complete 10,000 runs at the international level?  (A) Smriti Mandhana (B) Harmanpreet Kaur (C) Mithali Raj (D) Jhulan Goswami	(C)
102	29-03-2021	104	Who wrote the book “ <b>My truth</b> ”?  (A) Jackie Chan	(B)

			<p>(B) Indira Gandhi</p> <p>(C) Jawaharlal Nehru</p> <p>(D) Vijay Hazare</p>	
102	29-03-2021	105	<p>Which global organisation has launched the "COVID Action Platform" to convene the business community to support for COVID-19?</p> <p>(A) World Bank</p> <p>(B) International Monetary Fund</p> <p>(C) United Nations</p> <p>(D) World Economic Forum</p>	(D)
102	29-03-2021	106	<p>Fill in the blanks with most appropriate tense of grammar.</p> <p><b>The meeting ..... due to lack of quorum.</b></p> <p>(A) has been postponed</p> <p>(B) has being postponed</p> <p>(C) have being postponed</p> <p>(D) was been postponed</p>	(A)
102	29-03-2021	107	<p>Meaning of the phrase " <b>Cutting corners</b>"</p> <p>(A) Something bad</p> <p>(B) Doing something poorly in order to save time or money</p> <p>(C) State of confusion</p> <p>(D) Living in poverty</p>	(B)
102	29-03-2021	108	<p>There is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled A, B, C and D to produce the correct sentence:</p>	(A)

			<p><b>Nowadays,workforce is mostly multicultural, i.e.</b></p> <p>A. all the more difficult for selection  B. teams have players with different cultural backgrounds  C. of communication channels and contents  D. and this makes the scenario</p> <p>(A) BDAC  (B) DBCA  (C) CDAB  (D) ADBC</p>	
102	29-03-2021	109	<p>One word for “ <b>Something that can be carried easily</b>”</p> <p>(A) Portable  (B) Cartable  (C) Potable  (D) Relatable</p>	(A)
102	29-03-2021	110	<p>Fill in the blanks with most appropriate option.</p> <p><b>John started working early  ..... he could finish early.</b></p> <p>(A) in order that  (B) in spite  (C) hope so  (D) despite</p>	(A)
102	29-03-2021	111	<p>I am facing south. I turn right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then I turn right again and walk 60 m. In which direction am I from the starting point?</p>	(B)

			(A) North (B) North-East (C) East (D) North-West	
102	29-03-2021	112	In following question, a number series is given with one term missing. Choose the correct alternative that will form same pattern and fill in the blank spaces. <b>1, 6, 15,....., 45, 66, 91</b> (A) 25 (B) 26 (C) 27 (D) 28	(D)
102	29-03-2021	113	Find the odd one out: (A) Tuberculosis (B) Cholera (C) Typhoid (D) Small pox	(D)
102	29-03-2021	114	Amit is the son of Ajit's grandfather's only daughter. How is Ajit's father related to Amit? (A) Father (B) Brother (C) Son (D) Uncle	(A)
102	29-03-2021	115	From the given alternatives select the word which cannot be formed using the letters of the given words.	(D)

			<b>COMMUNICATION</b>  (A) NATION  (B) ACTION  (C) UNION  (D) UNITY	
102	29-03-2021	116	The difference between a two-digit number and the number obtained by interchanging the digits is 36. What is the difference between the sum and the difference of the digits of the number if the ratio between the digits of the number is 1 : 2 ?  (A) 4  (B) 8  (C) 10  (D) 16	(B)
102	29-03-2021	117	The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is:  (A) Rs.3500  (B) Rs.3750  (C) Rs.3840  (D) Rs.3900	(D)
102	29-03-2021	118	If $a - b = 3$ and $a^2 + b^2 = 29$ , find the value of $ab$ .  (A) 10  (B) 12  (C) 15	(A)

			(D) 18	
102	29-03-2021	119	<p>In a 100 m race, A beats B by 10 m and C by 13 m. In a race of 180 m, B will beat C by</p> <p>(A) 5.4 m</p> <p>(B) 4.5 m</p> <p>(C) 5 m</p> <p>(D) 6 m</p>	(D)
102	29-03-2021	120	<p>The average of 10 numbers is calculated as 15. It is discovered later on that while calculating the average one number, namely 36, was wrongly read as 26. The correct average is:</p> <p>(A) 14</p> <p>(B) 16</p> <p>(C) 18</p> <p>(D) 20</p>	(B)
102	29-03-2021	121	<p>In an AC inductive circuit, condenser is used for</p> <p>(A) Decreasing the Power factor</p> <p>(B) Improving the power factor</p> <p>(C) Keeping the power factor constant</p> <p>(D) None of the options</p>	(B)
102	29-03-2021	122	<p>The rating of the transformer is given in</p> <p>(A) KVA</p> <p>(B) KVAR</p> <p>(C) KW</p> <p>(D) Watts</p>	(A)

102	29-03-2021	123	<p>The colour of moist silica gel is</p> <p>(A) Pale yellow</p> <p>(B) Pale pink</p> <p>(C) Blue</p> <p>(D) Green</p>	Question Withdrawn
102	29-03-2021	124	<p>The most common type of three phase in unsymmetrical fault is</p> <p>(A) Single line to ground</p> <p>(B) Line to line</p> <p>(C) Double line to ground</p> <p>(D) Three phase</p>	(A)
102	29-03-2021	125	<p>What is the maximum speed at which the field of an alternator can be operated to develop 60 Hz?</p> <p>(A) 1800 rpm</p> <p>(B) 3600 rpm</p> <p>(C) 7200 rpm</p> <p>(D) 2400 rpm</p>	(B)
102	29-03-2021	126	<p>The standard full load power factor of a synchronous motor is</p> <p>(A) unity</p> <p>(B) unity or 0.8 leading</p> <p>(C) unity or 0.8 lagging</p> <p>(D) zero or 0.8 leading</p>	(B)
102	29-03-2021	127	<p>Series capacitor are used for improving line</p> <p>(A) capacitive reactance</p>	(B)

			(B) inductive reactance effect (C) voltage (D) regulation	
102	29-03-2021	128	When all the three phases are short circuited it gives rise to (A) Asymmetrical fault currents (B) Symmetrical fault current (C) Zero current (D) None of the options	(B)
102	29-03-2021	129	The creeping error in single phase energy meter can be minimised by (A) Adjusting breaking magnet (B) Use of short circuited loops on the outer limbs of the shunt magnet (C) Drilling two holes in the disc, on the opposite sides of the spindle (D) Adjusting the shaded band	(C)
102	29-03-2021	130	The advantage of transmitting power at high voltage is (A) Magnitude of current will be small (B) It will reduce the voltage drop in the line impedance (C) Power loss will be less (D) All of the options	(D)
102	29-03-2021	131	Capacitive current breaking results in (A) Short circuits (B) Open Circuits	(C)



			(C) Voltage Surges (D) Faulty current flow	
102	29-03-2021	132	It is always economical to improve the p.f. of the installation to (A) zero (B) unity (C) a little less than unity (D) a little more than unity	(C)
102	29-03-2021	133	Bulbs in street are connected in (A) Parallel (B) Series (C) Series-parallel (D) End to End	(A)
102	29-03-2021	134	Sparking occurs when a load is switched off because the circuit has high (A) Resistance (B) Inductance (C) Capacitance (D) Impedance	(B)

102	29-03-2021	135	<p>Three 6 ohms resistors are connected to form a triangle. What is the resistance between any two corners?</p> <p>(A) <math>3/2</math> ohm (B) 6 ohm (C) 4 ohm (D) <math>8/3</math> ohm</p>	(C)
102	29-03-2021	136	<p>The induced emf in the armature conductors of a d.c motor is</p> <p>(A) sinusoidal (B) trapezoidal (C) rectangular (D) alternating</p>	(A)
102	29-03-2021	137	<p>The principle of operation of a 3 phase induction motor is most similar to that of a</p> <p>(A) synchronous motor (B) repulsion-start induction motor (C) transformer with shorted secondary (D) capacitor-start, induction run motor</p>	(C)
102	29-03-2021	138	<p>The fractional slip of an induction motor is the ratio</p> <p>(A) rotor <math>C_u</math> loss/rotor input (B) stator <math>C_u</math> loss/stator input (C) rotor <math>C_u</math> loss/rotor output (D) rotor <math>C_u</math> loss/ Stator <math>C_u</math> loss</p>	(A)
102	29-03-2021	139	<p>The power factor of an alternator is determined by its</p>	(B)

			<p>(A) speed</p> <p>(B) load</p> <p>(C) excitation</p> <p>(D) prime mover</p>	
102	29-03-2021	140	<p>The phenomenon of rise in voltage at the receiving end of the open circuited or lightly loaded line is called</p> <p>(A) Seedback effect</p> <p>(B) Ferranti effect</p> <p>(C) Raman effect</p> <p>(D) Peltier effect</p>	(B)
102	29-03-2021	141	<p>High voltage transmission lines use</p> <p>(A) Suspension insulators</p> <p>(B) Pin insulators</p> <p>(C) both Suspension insulators and Pin insulators</p> <p>(D) either Suspension insulators or Pin insulators</p>	(A)
102	29-03-2021	142	<p>The main function of fuse is to</p> <p>(A) Protect the line</p> <p>(B) Open the circuit</p> <p>(C) Protect the appliance</p> <p>(D) Prevent excessive currents</p>	(D)
102	29-03-2021	143	<p>With which of the following a circuit breaker must be equipped for remote operation?</p> <p>(A) Inverse time trip</p>	(C)

			(B) Time-delay trip (C) Shunt trip (D) All of the options	
102	29-03-2021	144	Electric Pressure is also called (A) Resistance (B) Power (C) Voltage (D) Energy	(C)
102	29-03-2021	145	The resistance of a conductor varies inversely as (A) Length (B) area of cross section (C) temperature (D) resistivity	(B)
102	29-03-2021	146	The thickness of the layer of insulation on the conductor in cables depends upon (A) Reactive power (B) Power factor (C) Voltage (D) current carrying capacity	(C)
102	29-03-2021	147	Grounding resistance should be designed such that (A) grounding resistance should be as low as possible (B) grounding resistance should be as high as possible (C) grounding resistance should always be	(A)

			zero (D) None of the options	
102	29-03-2021	148	A step up transformer increases (A) voltage (B) current (C) power (D) frequency	(A)
102	29-03-2021	149	A permanent-split single phase capacitor motor does not have (A) centrifugal switch (B) starting winding (C) squirrel-cage rotor (D) high power factor	(A)
102	29-03-2021	150	Which instrument measures the insulation resistance of an electric circuit relative to earth and one another? (A) Tangent Galvanometer (B) Megger (C) Current transformer (D) LCR meter	(B)