

Subject Code : 107 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
107	30-03-2021	491	<p>The Battle of Belonging is the book authored by</p> <p>(A) Shashi Tharoor</p> <p>(B) Nawab Pataudi</p> <p>(C) M. Venkaiah Naidu</p> <p>(D) Prakash Javadekar</p>	(A)
107	30-03-2021	492	<p>Where is the headquarter of National Bank for Agriculture and Rural Development(NABARD)?</p> <p>(A) Kolkata</p> <p>(B) Chennai</p> <p>(C) New Delhi</p> <p>(D) Mumbai</p>	(D)
107	30-03-2021	493	<p>Who among the following was conferred with Eminent Engineer Award for the Year 2020 by Institution of Engineering and Technology?</p> <p>(A) Dr. G. Satheesh Reddy</p> <p>(B) V K Yadav</p> <p>(C) Piyush Goyal</p> <p>(D) Harish Salve</p>	(B)
107	30-03-2021	494	<p>The Indian government signed a memorandum of understanding (MoU) with in 2019 to boost sales of products made by women self-help groups, formed under the Deendayal Antyodaya Yojana-National Urban Livelihoods Mission (DAY-NULM).</p> <p>(A) Flipkart</p> <p>(B) Amazon</p>	(A)

			(C) Facebook (D) Google	
107	30-03-2021	495	India has been placed at 139th position out of 149 countries in the UN World Happiness Report 2021 released. The 2021 report is the ninth World Happiness Report and focuses on the effects of COVID-19 and how people all over the world have fared. The World Happiness Report 2021 has been topped by for the fourth consecutive year. (A) New Zealand (B) Finland (C) Norway (D) Netherlands	(B)
107	30-03-2021	496	In question below, the passage consists of six sentences. The first and sixth sentences are given in the beginning. The middle sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences. S1: Throughout history man has used energy from the sun. P : Today, when we burn wood or use electric current we are drawing an energy. Q : However we now have a new supply of energy. R : All our ordinary life depends on sun. S : This has come from the sun. S6: This energy comes from inside atoms. (A) PSRQ (B) RSPQ (C) RPQS (D) RQPS	(A)
107	30-03-2021	497	In question given below, a part of the sentence is italicised and underlined. Below are given alternatives to the underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option ' No improvement ' may be chosen as the answer.	(B)

			<p>He <u>sent a word</u> to me that he would be coming late.</p> <p>(A) No improvement</p> <p>(B) sent word</p> <p>(C) had sent a word</p> <p>(D) sent words</p>	
107	30-03-2021	498	<p>Replace the underlined part of sentence with the most appropriate meaning.</p> <p>The cricket match proved to be <u>a big draw</u>.</p> <p>(A) a keen contest</p> <p>(B) a game without any result</p> <p>(C) a lovely spectacle</p> <p>(D) a huge attraction</p>	(D)
107	30-03-2021	499	<p>Give synonym for the word 'bane'</p> <p>(A) ruin</p> <p>(B) boon</p> <p>(C) bonus</p> <p>(D) blessing</p>	(A)
107	30-03-2021	500	<p>Fill up with most appropriate option:</p> <p>Tourists always enjoyed ____ the setting Sun in the sea.</p> <p>(A) to watch</p> <p>(B) watching</p> <p>(C) to seeing</p> <p>(D) in seeing</p>	(B)
107	30-03-2021	501	<p>Look at this series:</p>	(A)

			<p>2, 7, 10, 22, 18, 37, 26,</p> <p>What number should fill the blank?</p> <p>(A) 52</p> <p>(B) 42</p> <p>(C) 62</p> <p>(D) 46</p>	
107	30-03-2021	502	<p>In the following question, a word is followed by four choices. Choose the word which is the most essential part of the given word.</p> <p><u>Knowledge</u></p> <p>(A) Wisdom</p> <p>(B) Learning</p> <p>(C) Power</p> <p>(D) Teacher</p>	(B)
107	30-03-2021	503	<p>A woman walking with a boy meets another woman and on being asked about her relationship with the boy, she says, "My maternal uncle and his maternal uncle's maternal uncle are brothers. " How is the boy related to the woman?</p> <p>(A) Nephew.</p> <p>(B) Grandson.</p> <p>(C) Brother-in-law.</p> <p>(D) Son.</p>	(D)
107	30-03-2021	504	<p>In a certain code, COMPUTER is written as RFUVQNPC. How is MEDICINE written in the same code?</p> <p>(A) EOJDJEFM</p> <p>(B) EOJDEJFM</p> <p>(C) MFEJDJOE</p> <p>(D) MFEDJJOE</p>	(A)

107	30-03-2021	505	<p>J, K, H, R, F, N & Q are sitting around a circular table facing the center. H is third to the left of L, who is at the immediate right of K. R is third to the left of N, but not the neighbour of H or L. J is second to the right of Q. As per the sitting arrangement, four of the following five are alike in a certain way & so, they form their group. Which one is not included in this group?</p> <p>(A) LK</p> <p>(B) RQ</p> <p>(C) FQ</p> <p>(D) JR</p>	(C)
107	30-03-2021	506	<p>The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number?</p> <p>(A) 3</p> <p>(B) 4</p> <p>(C) 6</p> <p>(D) 9</p>	(B)
107	30-03-2021	507	<p>If the diameters of a circle is increased by 100% , its area is increased by ?</p> <p>(A) 100%</p> <p>(B) 200%</p> <p>(C) 300%</p> <p>(D) 400%</p>	(C)
107	30-03-2021	508	<p>A and B take the responsibility of doing a work for Rs 250. A can do that work alone in 5 days and B alone in 15 days. They complete the work in 3 days with the help of C. If everyone gets paid in proportion to the work, then how much amount will C get?</p>	(A)

			<p>(A) Rs. 50</p> <p>(B) Rs.100</p> <p>(C) Rs. 150</p> <p>(D) Rs. 200</p>	
107	30-03-2021	509	<p>One year ago, ratio of Harry's age and Peter's age was 5 : 6 respectively. After 4 years, this ratio becomes 6 : 7. How old is Peter?</p> <p>(A) 25 years</p> <p>(B) 26 years</p> <p>(C) 31 years</p> <p>(D) 35 years</p>	(C)
107	30-03-2021	510	<p>Two buses start at the same time, one from P to Q and the other from Q to P. If both buses reach after 4 hours and 16 hours at Q and P respectively after they cross each other, what would be the ratio of speeds of the bus starting from P and that of the one starting from point Q?</p> <p>(A) 2 : 1</p> <p>(B) 3 : 1</p> <p>(C) 2 : 2</p> <p>(D) 1 : 4</p>	(A)
107	30-03-2021	511	<p>It is the legal responsibility of a management to ensure that employee exposure to airborne hazardous substance is kept below</p> <p>(A) Threshold Limit Value</p> <p>(B) Permissible Exposure Limit</p> <p>(C) Short Term Exposure Limit</p> <p>(D) Threshold Limit Value Ceiling</p>	(B)
107	30-03-2021	512	<p>Major Objective of Safety Inspection is to</p> <p>(A) Identify and correct unsafe condition and unsafe</p>	(A)

			<p>acts</p> <p>(B) Ensure compliance with rules and regulations</p> <p>(C) Measure the effectiveness of safety program</p> <p>(D) Identify any PPE which is needed in each work area</p>	
107	30-03-2021	513	<p>Raynaud's Syndrome is an Occupational disease caused as a result of</p> <p>(A) Over-exposure to excessive noise</p> <p>(B) Over-exposure of hands to vibration</p> <p>(C) Repetitive movement of back muscles</p> <p>(D) Over-exposure to ultraviolet radiation</p>	(B)
107	30-03-2021	514	<p>Most important concept in PPE selection is to</p> <p>(A) Train workers in its proper use</p> <p>(B) Decide on procedure for disinfection</p> <p>(C) Match PPE to the hazard</p> <p>(D) Ensure that PPE is properly stored</p>	(C)
107	30-03-2021	515	<p>Main Parameter characterizing mechanical foam agent is</p> <p>(A) Viscosity</p> <p>(B) Heat resistant blanket rating</p> <p>(C) Expansion ratio</p> <p>(D) Vapour sealing film activity</p>	(C)
107	30-03-2021	516	<p>A lower flammability Limit(LFL) of 10% for a gas or vapour means that gas would support combustion</p> <p>(A) Concentration with air below 10%</p> <p>(B) Concentration above 10% but below the UFL</p> <p>(C) Concentration 10% above UFL</p>	(B)

			(D) Concentration below 10% above UFL	
107	30-03-2021	517	<p>Air purifying respirators remove the contaminants from air primarily by which of the following mechanism?</p> <p>(A) Absorption</p> <p>(B) Gas liquid extraction</p> <p>(C) Adsorption</p> <p>(D) Chemical transfer</p>	(C)
107	30-03-2021	518	<p>Which of the following best describes Heinrich's theory of accident causation?</p> <p>(A) Unsafe act,Unsafe Condition,Ineffective management,Injury</p> <p>(B) Injury,Technocracy,Ineffective management,Unsafe Act,Unsafe Condition</p> <p>(C) Social Environment,Ineffective management,Accident,Injury</p> <p>(D) Social Environment,Ancestry,Unsafe act/condition,Accident,Injury</p>	(D)
107	30-03-2021	519	<p>To avoid overcrowding the space provided for each worker under the Factories Act 1948 is</p> <p>(A) 12 cubic meters for factories built before 1948 and 14.2 cubic meters for those built after 1948</p> <p>(B) 10 cubic meters for factories built before 1948 and 14.2 cubic meters for those built after 1948</p> <p>(C) 9.9 cubic meters for factories built before 1948 and 14.2 cubic meters for those built after 1948</p> <p>(D) 9.9 cubic meters for factories built before 1948 and 14.4 cubic meters for those built after 1948</p>	(C)
107	30-03-2021	520	<p>For contravention of provisions of factories act or rules,the occupier shall be liable for punishment upto</p> <p>(A) 2 years or fine upto Rs.100000 or both</p>	(A)

			<p>(B) 6 months or fine upto Rs.10000 or both</p> <p>(C) 3 years or fine Rs.10000 or both</p> <p>(D) 5 years or fine upto Rs.1000 or both</p>	
107	30-03-2021	521	<p>What is impossible for gloves to protect against?</p> <p>(A) Hazardous Substances</p> <p>(B) Cold or Heat</p> <p>(C) Rotating Parts</p> <p>(D) Sliding parts</p>	(C)
107	30-03-2021	522	<p>You are spray painting in a confined space. Why do you have to ventilate this space?</p> <p>(A) In order to remain below 10% of the LEL</p> <p>(B) In order to remain below the LEL</p> <p>(C) In order to remain below 50 % of the LEL</p> <p>(D) In order to remain below 10% of the UEL</p>	(A)
107	30-03-2021	523	<p>As per Indian standard 13039:2014 fire hydrant outlets shall be ----- meter above ground level.</p> <p>(A) 75 Centimeter</p> <p>(B) 130 Centimeter</p> <p>(C) 100 Centimeter</p> <p>(D) 90 Centimeter</p>	(C)
107	30-03-2021	524	<p>A flame is the visible part of an exothermic _____ phase reaction zone</p> <p>(A) Liquid</p> <p>(B) Solid</p> <p>(C) Gaseous</p> <p>(D) Unsteady</p>	(C)
107	30-03-2021	525	Expansion ratio of LOW EXPANSION foam is	(A)

			<p>(A) Up to 20:1</p> <p>(B) From 20:1 to 200:1</p> <p>(C) Above 200:1</p> <p>(D) From 50:1 to 100:1</p>	
107	30-03-2021	526	<p>Entering a confined space is not permitted when the oxygen level is</p> <p>(A) Below 19.5 percent</p> <p>(B) Above 19.5 percent</p> <p>(C) 20.9 percent</p> <p>(D) 25 percent</p>	(A)
107	30-03-2021	527	<p>Which of the following disease is caused by inhalation of metal fumes or dust generated in most welding and grinding operation?</p> <p>(A) Siderosis</p> <p>(B) Byssinosis</p> <p>(C) Brucellosis</p> <p>(D) Prebycusis</p>	(A)
107	30-03-2021	528	<p>Which agency have the authorisation to issue Man entry certificate and hot work certificate for fuel tanks?</p> <p>(A) PCB</p> <p>(B) CPCB</p> <p>(C) PESO</p> <p>(D) F&B</p>	(C)
107	30-03-2021	529	<p>Fixed temperature heat detectors are not suitable for fires that have the potential for developing quickly because</p> <p>(A) They can only respond to rate of rise of temperature</p>	(B)

			<p>(B) The air reaches a higher temperature before the device</p> <p>(C) In a quick fire heat does not transfer to the device properly</p> <p>(D) They can only detect heat coming from a fixed temperature</p>	
107	30-03-2021	530	<p>An employee fell from a broken ladder and sustained an injury. What among these shall be considered as a root cause for this incident?</p> <p>(A) The ladder had a broken rung.</p> <p>(B) The ladder's safety certificate was not attached to the ladder.</p> <p>(C) The employee was not trained in ladder use and how to recognize unsafe ladder.</p> <p>(D) Supervisor did not inspect the ladder before issuing the work to the employee.</p>	(C)
107	30-03-2021	531	<p>Factor that can affect the likelihood of a forklift toppling is</p> <p>(A) Low tyre pressure</p> <p>(B) concrete floor</p> <p>(C) Absence of rear view mirror</p> <p>(D) Low illumination</p>	(A)
107	30-03-2021	532	<p>The primary objective of a work place safety inspection is to</p> <p>(A) Discover situation that violate Factories Act 1948</p> <p>(B) Discover areas that is to be included in the next employees refresher training program</p> <p>(C) Identify the accident rate and severity rate</p> <p>(D) Identify and correct unsafe act and unsafe conditions</p>	(D)

107	30-03-2021	533	<p>According to Heinrich's Accident Triangle, it shows a relationship between Serious accidents/ Fatality, Minor Accidents and _____</p> <p>(A) Material Damage</p> <p>(B) Cuts and Bruises</p> <p>(C) Near Miss</p> <p>(D) None of the options</p>	(C)
107	30-03-2021	534	<p>Which of the following is an example of an Engineering Noise control?</p> <p>(A) Use of Ear Muffs</p> <p>(B) Use of Sound absorbing materials</p> <p>(C) Reducing the time exposed to high sound</p> <p>(D) Audiometric testing</p>	(B)
107	30-03-2021	535	<p>The "DANGER" symbols used in various chemicals and paints indicate that: There is an immediate hazard which if encountered will result in?</p> <p>(A) Death or personal injury</p> <p>(B) Death, Severe personal injury and Property damage</p> <p>(C) Death, Property damage, product damage and personal injury</p> <p>(D) Death, loss of livelihood and property damage</p>	(A)
107	30-03-2021	536	<p>Which of the following factors may lead to the severity due to an electric shock?</p> <p>(A) Duration of the electric shock</p> <p>(B) Resistance of the body during the shock</p> <p>(C) Path of current flow to the body</p> <p>(D) The amount of current intensity during the time of contact</p>	(B)
107	30-03-2021	537	<p>Which of the following does not affect the load</p>	(D)

			<p>capacity of a mobile crane?</p> <p>(A) Boom Length</p> <p>(B) Boom angle</p> <p>(C) Extension of Outriggers</p> <p>(D) None of the options</p>	
107	30-03-2021	538	<p>The term 'Safety Factor' when calculating the Safe Working Load, is defined as</p> <p>(A) The extra margin of safety over intended use</p> <p>(B) A scale from 1 to 10</p> <p>(C) The extra cost incurred during purchase</p> <p>(D) Maximum strength over breaking strength</p>	(A)
107	30-03-2021	539	<p>Flash Point is defined as the _____ temperature that will produce a vapour concentration high enough to propagate a flame when a source of ignition is present.</p> <p>(A) Lowest</p> <p>(B) Highest</p> <p>(C) Normal</p> <p>(D) Absolute</p>	(A)
107	30-03-2021	540	<p>The reason for preparing a JSA is</p> <p>(A) It helps to identify hazards and prevent accidents</p> <p>(B) It helps to establish safe work method and work practices</p> <p>(C) It helps to create awareness among the workers</p> <p>(D) All of the options</p>	(D)
107	30-03-2021	541	<p>In case you have to shift a load of 50 Kg, the safest method used to shift it</p> <p>(A) Lift it and place it</p>	(A)

			<p>(B) Push the load</p> <p>(C) Pull the load</p> <p>(D) Roll over the load</p>	
107	30-03-2021	542	<p>In areas where Radiography NDT is taking place, what action will you take</p> <p>(A) Clear the area</p> <p>(B) Use body apron</p> <p>(C) Work there as normal</p> <p>(D) None of the options</p>	(A)
107	30-03-2021	543	<p>The first thing to do with a fire on electrical equipment is to</p> <p>(A) Stop the flow of electricity</p> <p>(B) Use CO 2 Extinguisher</p> <p>(C) Use DCP Extinguisher</p> <p>(D) Inform safety officer</p>	(A)
107	30-03-2021	544	<p>During inspection of fuel tanks for issuing gas free certificate, following gases are checked for its presence inside tank</p> <p>(A) Hydrogen</p> <p>(B) Hydrogen Sulphide</p> <p>(C) Hydro Carbon</p> <p>(D) Ammonia</p>	(C)
107	30-03-2021	545	<p>Minimum height of handrail as per factory rule is</p> <p>(A) 1000 mm</p> <p>(B) 900 mm</p> <p>(C) 800 mm</p> <p>(D) 750 mm</p>	(B)

107	30-03-2021	546	LPG cannot be used in confined spaces because (A) It is denser (B) It is Lighter (C) It leads to back fire (D) It gives a lot of black smoke	(A)
107	30-03-2021	547	Explosion proof / intrinsically safe electrical equipments are used in confined space, because (A) It has less weight (B) It prevents current Loss (C) It prevents electric shock (D) To eliminate source of ignition	(D)
107	30-03-2021	548	Maximum weight that can be lifted, by hand or head by an adult male as per factory rule is? (A) 75 Kg (B) 55 Kg (C) 60 Kg (D) 45 Kg	(B)
107	30-03-2021	549	What is the ratio for the placement of ladders in the work site? (A) 1:2 (B) 1:3 (C) 1:4 (D) 1:5	(C)
107	30-03-2021	550	Which provisions regarding health are mentioned in the sections 11 to 20 in Factories Act 1948? A. Cleanliness B. Dust and fumes C. Ventilation and temperature D. Disposal of wastes	(D)

			<p>(A) Only B & C</p> <p>(B) Only A & D</p> <p>(C) Only A & C</p> <p>(D) All of the options</p>	
107	30-03-2021	551	<p>As per Factories Act, "Child" means a person who has not completed his/herYear of age.</p> <p>(A) Fourteenth</p> <p>(B) Fifteenth</p> <p>(C) Sixteenth</p> <p>(D) Eighteenth</p>	(B)
107	30-03-2021	552	<p>Suitable goggles shall be provided for the protection of persons employed in any factory is discussed in the section</p> <p>(A) Section-35</p> <p>(B) Section-36</p> <p>(C) Section-39</p> <p>(D) Section-40</p>	(A)
107	30-03-2021	553	<p>What are the methods to generate static electricity?</p> <p>A. Friction</p> <p>B. Induction</p> <p>C. Separation</p> <p>D. Convection</p> <p>(A) A only</p> <p>(B) Both A&C</p> <p>(C) A,B and C</p> <p>(D) A,C and D</p>	(C)
107	30-03-2021	554	<p>Section 4 of a Safety Data sheet depicts.....</p> <p>(A) Physical & Chemical Properties</p>	(B)

			<p>(B) First Aid measures</p> <p>(C) Fire fighting measures</p> <p>(D) Handling & Storage</p>	
107	30-03-2021	555	<p>Which of the following cord- and plug-connected equipment does not have to be grounded?</p> <p>(A) A portable tool with an approved system of double insulation</p> <p>(B) Air-Conditioner</p> <p>(C) Tools likely to be used in wet and conductive locations</p> <p>(D) Cord- and plug-appliances used by workers inside of metal tanks or boilers</p>	(A)
107	30-03-2021	556	<p>Earth pit value resistance is measured in which type of meter?</p> <p>(A) Insulation megger</p> <p>(B) Earth megger</p> <p>(C) Ohm Meter</p> <p>(D) Ammeter</p>	(B)
107	30-03-2021	557	<p>Expand GFCI</p> <p>(A) Ground Flux Circuit Intruder</p> <p>(B) Ground Flux Circuit Incorporator</p> <p>(C) Ground Fault Circuit Interrupter</p> <p>(D) Ground Fault Circuit Intruder</p>	(C)
107	30-03-2021	558	<p>Term for "Equipment and wiring which is incapable of releasing sufficient electrical or thermal energy under normal or abnormal conditions to cause ignition of a specific hazardous atmospheric mixture in its most easily ignited concentration"</p> <p>(A) Ignition Safe Equipment</p>	(D)

			<p>(B) Thermal Proof Equipment</p> <p>(C) Ignition Proof Equipment</p> <p>(D) Intrinsically Safe Equipment</p>	
107	30-03-2021	559	<p>Temperature at which a fuel starts to ignite and burn continuously is ____</p> <p>(A) Ignition Point</p> <p>(B) Flash Point</p> <p>(C) Fire Point</p> <p>(D) Flame Point</p>	(C)
107	30-03-2021	560	<p>The instrument which is necessary in lifting equipment/cranes for monitoring and alerting on load variations is</p> <p>(A) TREM</p> <p>(B) SLI</p> <p>(C) SWL</p> <p>(D) All of the options</p>	(B)