

Subject Code : 205

Subject Code	Exam Date	Q Id	Questions	Answer Key
205	12-01-2020	491	<p>The Konkan Railway connects which of the following cities?</p> <p>(A) Kanyakumari – Mangalore</p> <p>(B) Kanyakumari – Mumbai</p> <p>(C) Goa – Mangalore</p> <p>(D) Roha – Mangalore</p>	(D)
205	12-01-2020	492	<p>The word “Agricultural shot” is known to be used sometimes in which among the following sports?</p> <p>(A) Cricket</p> <p>(B) Hockey</p> <p>(C) Golf</p> <p>(D) Polo</p>	(A)
205	12-01-2020	493	<p>Which Indian organisation has organized FinTech Conclave 2019</p> <p>(A) SEBI</p> <p>(B) Ministry of Finance</p> <p>(C) NITI Aayog</p> <p>(D) RBI</p>	(C)
205	12-01-2020	494	<p>Which of the following units is usually used to denote the intensity of pollution?</p> <p>(A) Milligrams</p> <p>(B) Nanograms</p> <p>(C) Parts per million</p>	(C)

			(D) Kilogram	
205	12-01-2020	495	<p>Name the anti- satellite missile test run by India on 27 March 2019 ?</p> <p>(A) Mission shaurya</p> <p>(B) Mission Cobra</p> <p>(C) Mission Prithivi</p> <p>(D) Mission Shakti</p>	(D)
205	12-01-2020	496	<p>Pick out the correct meaning of the underlined part of the sentence:-</p> <p>A movement for the world unity is <b><u>in the offing</u></b>.</p> <p>(A) at the end</p> <p>(B) about to start</p> <p>(C) on decline</p> <p>(D) in the air</p>	(B)
205	12-01-2020	497	<p>One word for "<b>Keep your eyes peeled</b>"</p> <p>(A) To watch carefully</p> <p>(B) Searching someone</p> <p>(C) Looking forward</p> <p>(D) Running away</p>	(A)
205	12-01-2020	498	<p>Choose the right meaning - "Souvenir"</p> <p>(A) A thing that is kept as a reminder of an event</p> <p>(B) A thing given as a prize</p> <p>(C) A thing which is related to quiz</p> <p>(D) A thing which is related to religious matters</p>	(A)

205	12-01-2020	499	<p>Fill up the blanks:</p> <p><b>I want to meet the artist .....has painted this picture.</b></p> <p>(A) Which</p> <p>(B) That</p> <p>(C) Who</p> <p>(D) Whom</p>	(C)
205	12-01-2020	500	<p>She said, "If you work hard, you will take good marks." Change to indirect speech.</p> <p>(A) My teacher advised if I work hard I could take good marks.</p> <p>(B) My teacher advises if you work hard you will take good marks.</p> <p>(C) My teacher advises if I work hard I will take good marks.</p> <p>(D) My teacher advised that I worked hard I would take good marks.</p>	(C)
205	12-01-2020	501	<p>In a garden, there are 10 rows and 12 columns of mango trees. The distance between the two trees is 2 metres and a distance of one metre is left from all sides of the boundary of the garden. The length of the garden is</p> <p>(A) 20M</p> <p>(B) 22M</p> <p>(C) 24M</p> <p>(D) 26M</p>	(C)
205	12-01-2020	502	<p>Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?</p> <p>(A) 22</p>	(C)

			<p>(B) 24</p> <p>(C) 25</p> <p>(D) 26</p>	
205	12-01-2020	503	<p>A &amp; B are brothers. C &amp; D are sisters. A's son is D's brother. How is B related to C.</p> <p>(A) Brother</p> <p>(B) Uncle</p> <p>(C) Cousin</p> <p>(D) Father</p>	(B)
205	12-01-2020	504	<p>The day before yesterday was Saturday. What day will it be the day after tomorrow?</p> <p>(A) Tuesday</p> <p>(B) Wednesday</p> <p>(C) Thursday</p> <p>(D) Friday</p>	(B)
205	12-01-2020	505	<p>Vincent has a paper route. Each morning, he delivers 37 newspapers to customers in his neighborhood. It takes Vincent 50 minutes to deliver all the papers. If Vincent is sick or has other plans, his friend Thomas, who lives on the same street, will sometimes deliver the papers for him.</p> <p>(A) Vincent and Thomas live in the same neighborhood.</p> <p>(B) It takes Thomas more than 50 minutes to deliver the papers.</p> <p>(C) It is dark outside when Vincent begins his deliveries.</p> <p>(D) Thomas would like to have his own paper route.</p>	(A)

205	12-01-2020	506	<p>A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is?</p> <p>(A) <math>\frac{1}{4}</math></p> <p>(B) <math>\frac{1}{10}</math></p> <p>(C) <math>\frac{7}{15}</math></p> <p>(D) <math>\frac{8}{15}</math></p>	(D)
205	12-01-2020	507	<p>A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?</p> <p>(A) 3.6</p> <p>(B) 7.2</p> <p>(C) 8.4</p> <p>(D) 10</p>	(B)
205	12-01-2020	508	<p>A train 150 m long is running at 60 kmph. In how much time will it pass a platform 250 m long?</p> <p>(A) 22 sec</p> <p>(B) 20 sec</p> <p>(C) 25 sec</p> <p>(D) 24 sec</p>	(D)
205	12-01-2020	509	<p>In an examination 80% candidates passed in English and 85% candidates passed in Mathematics. If 73% candidates passed in both these subjects, then what percent of candidates failed in both the subjects?</p> <p>(A) 15%</p> <p>(B) 8%</p> <p>(C) 27%</p> <p>(D) 35%</p>	(B)

205	12-01-2020	510	<p>The average temperature for Wednesday, Thursday and Friday is 40 °C. The average for Thursday, Friday and Saturday is 41 °C. If temperature on Saturday was 42 °C, what was the temperature on Wednesday?</p> <p>(A) 44 °C</p> <p>(B) 41 °C</p> <p>(C) 38 °C</p> <p>(D) 39 °C</p>	(D)
205	12-01-2020	511	<p>Which of the following is not part of an operation Phases of Fire control radar</p> <p>(A) Designation or vectoring phase</p> <p>(B) Acquisition phase</p> <p>(C) Segment phase</p> <p>(D) Tracking phase</p>	(C)
205	12-01-2020	512	<p>Identify the correct filling for blanks (a) &amp; (b) in the following statement.</p> <p>"CRN-91 Naval gun is (a) _____ stabilized and is directed by (b) _____ fire-control system (FCS)"</p> <p>(A) (a) Gyro (b) electro-optic</p> <p>(B) (a) Radar (b) electro-hydraulic</p> <p>(C) (a) Radar (b) Pneumatic</p> <p>(D) (a) Gyro (b) electro-hydraulic</p>	(A)
205	12-01-2020	513	<p>Identify the correct filling for blanks (a) &amp; (b) in the following statement.</p> <p>"AK-630 automatic naval close-in weapon system is based on (a) _____ barrelled (b) _____ rotary cannon."</p>	(B)

			<p>(A) (a) Six (b)30 cm</p> <p>(B) (a) Six (b)30 mm</p> <p>(C) (a) Sixty (b)3 mm</p> <p>(D) (a) Thirty (b)60 mm</p>	
205	12-01-2020	514	<p>The integral dial in a pneumatic controller is calibrated in</p> <p>(A) Minutes or repeats</p> <p>(B) Integral units</p> <p>(C) Gain</p> <p>(D) Percentage</p>	(A)
205	12-01-2020	515	<p>HUMSA- Sonars fitted on ships are _____ mounted</p> <p>(A) Bridge</p> <p>(B) Foxel</p> <p>(C) Hunting</p> <p>(D) Hull</p>	(D)
205	12-01-2020	516	<p>The area of coverage of a satellite radio beam is called its _____</p> <p>(A) Beam centre</p> <p>(B) Beam radius</p> <p>(C) Optical polarity</p> <p>(D) Footprint</p>	(D)
205	12-01-2020	517	<p>The receive equalizer reduces delay distortions using a _____</p> <p>(A) tapped delay lines</p>	(A)

			<p>(B) encipher</p> <p>(C) descrambler</p> <p>(D) oscillator</p>	
205	12-01-2020	518	<p>EM Log, measures the ----- of a ship through water</p> <p>(A) Speed</p> <p>(B) Direction</p> <p>(C) Density</p> <p>(D) Depth</p>	(A)
205	12-01-2020	519	<p>_____ is varying of some parameter of a carrier, such as its amplitude to transmit information</p> <p>(A) Modulation</p> <p>(B) Amplification</p> <p>(C) Sequencing</p> <p>(D) Array</p>	(A)
205	12-01-2020	520	<p>The input, output and spin axes of a gyro are always -----to each other</p> <p>(A) 60 Degrees</p> <p>(B) 30 Degrees</p> <p>(C) 45 Degrees</p> <p>(D) 90 Degrees</p>	(D)
205	12-01-2020	521	<p>AM demodulation technique can be divided into _____ and _____ demodulation.</p> <p>(A) Direct, indirect</p>	(C)



			<p>(B) Slope detector, zero crossing</p> <p>(C) Coherent, noncoherent</p> <p>(D) Quadrature detection, coherent detection</p>	
205	12-01-2020	522	<p>What is the basic principle under which MEMS gyro work?</p> <p>(A) Coriolis effect</p> <p>(B) Angular momentum conservation</p> <p>(C) Mass conservation</p> <p>(D) Sagnag effect</p>	(A)
205	12-01-2020	523	<p>_____ is the technique of transmitting multiple channels of information through a single optical fibre by sending multiple light beams of different wavelengths through the fibre, each modulated with a separate information channel.</p> <p>(A) Wavelength-division multiplexing</p> <p>(B) Module Segmentation</p> <p>(C) Wavelength spectrum analysis</p> <p>(D) Modular wave length compounding</p>	(A)
205	12-01-2020	524	<p>The configuration in which the Doppler radar beams are both forward and backward looking is called as?</p> <p>(A) Dual</p> <p>(B) Redundant</p> <p>(C) Janus</p> <p>(D) Wide beam</p>	(C)
205	12-01-2020	525	<p>Servomechanism with step-displacement input is</p> <p>(A) Type 1 system</p>	(A)

			<p>(B) Type 3 system</p> <p>(C) Type 2 system</p> <p>(D) Type 0 system</p>	
205	12-01-2020	526	<p>A bipolar violation _____</p> <p>(A) occurs when two successive pulses have the same polarity and are separated by one level.</p> <p>(B) represents one bit followed by a zero bit.</p> <p>(C) represents a zero-bit followed by one bit.</p> <p>(D) occurs when two successive pulses have the same polarity and are separated by a zero level.</p>	(D)
205	12-01-2020	527	<p>Echo Sounder on ships are used to determine the -----of water by transmitting sound waves into water</p> <p>(A) Depth</p> <p>(B) Speed</p> <p>(C) Projection</p> <p>(D) Flight</p>	(A)
205	12-01-2020	528	<p>In which kind of waveform is the phase velocity defined?</p> <p>(A) Rectangular</p> <p>(B) Sinusoidal</p> <p>(C) Square</p> <p>(D) Triangular</p>	(B)
205	12-01-2020	529	<p>DTMF stands for _____</p> <p>(A) Dual Tone Magnetic Frequency</p>	(C)

			<p>(B) Dual Tone Mechanical Frequency</p> <p>(C) Dual Tone Multiple Frequency</p> <p>(D) Double Tone Magnetic Frequency</p>	
205	12-01-2020	530	<p>What is the Common Mode Rejection Ratio?</p> <p>(A) Output of a differential amplifier</p> <p>(B) Ability of an amplifier to reject common mode signals</p> <p>(C) Ability of an amplifier to accept common mode signals</p> <p>(D) None of the options</p>	(B)
205	12-01-2020	531	<p>_____ is a new generation IP based integrated communication system on certain vessels which provides ship to ship, ship to shore and ship to air communication over VLF, MF, HF, V/UHF.</p> <p>(A) ACCS</p> <p>(B) VACS</p> <p>(C) VICS</p> <p>(D) AICS</p>	(A)
205	12-01-2020	532	<p>Output of electrical transducer is _____</p> <p>(A) inversely proportional to displacement</p> <p>(B) proportional to square of displacement</p> <p>(C) proportional to displacement</p> <p>(D) constant</p>	(C)
205	12-01-2020	533	<p>_____ is a system designed on board certain class of ships which is the information highway on which data from all the sensors and weapons ride on certain class of Ships</p>	(C)

			<p>(A) DNS</p> <p>(B) VDNS</p> <p>(C) SDN</p> <p>(D) NSD</p>	
205	12-01-2020	534	<p>Attenuation of sound energy in seawater arises principally through the action of two independent factors, _____ and _____, with an additional contribution from bottom loss</p> <p>(A) absorption, scattering</p> <p>(B) conduction, pulse</p> <p>(C) reflection, pulse</p> <p>(D) depth, sequence</p>	(A)
205	12-01-2020	535	<p>The 3D Surveillance Radar- Revathi , operates in _____ band and is capable of _____ airborne and surface targets</p> <p>(A) " S", Track- While Scan (TWS)</p> <p>(B) " X", Track- While Fire( TWF)</p> <p>(C) " X", Track- While Scan (TWS)</p> <p>(D) " S", Track- While Fire( TWF)</p>	(A)
205	12-01-2020	536	<p>The category of EO/IR sensors extends from what to what range of UV ,through visible region to IR</p> <p>(A) 10 to 20 micrometer</p> <p>(B) 0.4 to 14 micrometer</p> <p>(C) 20 to 30 micrometer</p> <p>(D) 10 to 40 micrometer</p>	(B)

205	12-01-2020	537	<p>Which IR produces very much like visible images</p> <p>(A) short wave IR</p> <p>(B) long wave IR</p> <p>(C) mid wave IR</p> <p>(D) All of the options</p>	(A)
205	12-01-2020	538	<p>Basically, poles of transfer function are the laplace transform variable values which causes the transfer function to become _____</p> <p>(A) Zero</p> <p>(B) Unity</p> <p>(C) Infinite</p> <p>(D) Average value</p>	(C)
205	12-01-2020	539	<p>Self balancing instrument uses</p> <p>(A) D.C. servomotor</p> <p>(B) A.C. servomotor</p> <p>(C) Tachometer</p> <p>(D) Magnetic amplifier</p>	(B)
205	12-01-2020	540	<p>In polar plots, what does each and every point represent w.r.t magnitude and angle?</p> <p>(A) Scalar</p> <p>(B) Vector</p> <p>(C) Phasor</p> <p>(D) Differentiator</p>	(C)
205	12-01-2020	541	<p>_____ fitted on certain class of Ships, integrates various equipment and systems on board namely Radars, Sonars, FCS, EW systems,</p>	(A)

			<p>CAIO and other equipment for SHHD.</p> <p>(A) AISDN</p> <p>(B) CISDN</p> <p>(C) NISDN</p> <p>(D) EISND</p>	
205	12-01-2020	542	<p>CW radar can be :</p> <p>(A) monostatic only</p> <p>(B) monostatic and bistatic</p> <p>(C) static only</p> <p>(D) non-doppler</p>	(B)
205	12-01-2020	543	<p>It is possible to obtain PPM from PWM by using a _____ multivibrator circuit</p> <p>(A) Astable</p> <p>(B) Bistable</p> <p>(C) Monostable</p> <p>(D) None of the options</p>	(C)
205	12-01-2020	544	<p>MBES stands for</p> <p>(A) main beam echo sounder</p> <p>(B) mutant beam echo sounder</p> <p>(C) multiple beam echo sounder</p> <p>(D) multi beachon echo sounder</p>	(C)
205	12-01-2020	545	<p>A pressure gauge that displays equivalent depth in water is called</p> <p>(A) depth gauge</p>	(A)

			<p>(B) pitot tube</p> <p>(C) sonar</p> <p>(D) Mercury tube</p>	
205	12-01-2020	546	<p>Which is not a precaution taken before docking of ships for repair</p> <p>(A) emptying of fuel tanks</p> <p>(B) setting keel blocks</p> <p>(C) UT gauging</p> <p>(D) availability of draft</p>	(C)
205	12-01-2020	547	<p>In a servo voltage stabilizer what is the type of transformer used</p> <p>(A) Star</p> <p>(B) Delta</p> <p>(C) Buck/Boost</p> <p>(D) DYN11</p>	(C)
205	12-01-2020	548	<p>Fiber optic gyroscope uses which phenomenon</p> <p>(A) Sagnac effect</p> <p>(B) Honeywell effect</p> <p>(C) Boeing effect</p> <p>(D) Foucault pendulum</p>	(A)
205	12-01-2020	549	<p>What is the range of an order of angular rate magnitude that gyros used in military planes need?</p> <p>(A) 8</p> <p>(B) 8.5</p>	(B)

			(C) 7.1 (D) 3	
205	12-01-2020	550	A good control system should be sensitive to (A) Internal disturbances (B) Environmental parameters (C) Parametric variations (D) Input signals (except noise)	(D)
205	12-01-2020	551	The most common analog signal standard for industrial process instruments is: (A) 4 to 20 milliamps DC (B) 4 to 50 milliamps DC (C) 0 to 20 milliamps (D) 4 to 20 amps AC	(A)
205	12-01-2020	552	Pulsed doppler radar gives the target's (A) range and velocity (B) range only (C) color (D) size	(A)
205	12-01-2020	553	MTI radar (A) employs Doppler effect (B) does not employ Doppler effect (C) is used in CW radar (D) is used in FMCW radar	(A)



205	12-01-2020	554	<p>_____ is a system on- board certain class of ships which performs threat evaluation and resource allocation based on the tactical picture compiled and ammunition available onboard .</p> <p>(A) CKS</p> <p>(B) CMS</p> <p>(C) CKKS</p> <p>(D) MCS</p>	(B)
205	12-01-2020	555	<p>Rhonda is the supervisor of the parts department at a car dealership. Among her responsibilities are: scheduling who is supposed to work; when her subordinates are to work; who should do the ordering; and who should help her with counting the inventory. These responsibilities are examples of what type of management function?</p> <p>(A) Leading</p> <p>(B) Controlling</p> <p>(C) Organizing</p> <p>(D) Planning</p>	(C)
205	12-01-2020	556	<p>The minimum range of a radar is determined by</p> <p>(A) frequency of the radar transmitter</p> <p>(B) pulse repetition rate</p> <p>(C) transmitted pulse width</p> <p>(D) pulse repetition frequency</p>	(C)
205	12-01-2020	557	<p>Sensitivity is defined as</p> <p>(A) Ability of receiver to amplify weak signals</p> <p>(B) Ability to reject unwanted signals</p> <p>(C) Ability to convert incoming signal into Image</p>	(A)

			Frequency (D) Ability to reject noise	
205	12-01-2020	558	Identify which of the following is an example of a “primary sensing element”  (A) I/P transducer  (B) Control valve  (C) Digital controller  (D) Diaphragm	(D)
205	12-01-2020	559	Which among the following represents an illustration of closed loop system?  (A) Automatic washing machine  (B) Bread toaster  (C) Electric hand drier  (D) Automatic electric iron	(D)
205	12-01-2020	560	The purpose of a “shield” wire on an instrument signal cable is to  (A) Hold a steadier setpoint value  (B) Minimize the possibility of sparking  (C) Minimize electrical noise  (D) Ensure technician safety	(C)