

Subject Code : 103 ▼

| Subject Code | Exam Date  | Q Id | Questions  | Answer Key |
|--------------|------------|------|--|------------|
| 103          | 17-12-2020 | 61   | <p>Which state first launched a project that aims to provide free internet access to the poor in the State?</p> <p>(A) Sikkim<br/>(B) Kerala<br/>(C) Karnataka<br/>(D) Assam</p>       | (B)        |
| 103          | 17-12-2020 | 62   | <p>Name the first cricketer to score 1000 runs in an innings in any competitive match.</p> <p>(A) Prithvi Shaw<br/>(B) Pranav Dhanawade<br/>(C) Virat Kohli<br/>(D) Shikhar Dhawan</p> | (B)        |
| 103          | 17-12-2020 | 63   | <p>Who is said to be the father of Indian Space Programme?</p> <p>(A) A P J Abdul Kalam<br/>(B) Rakesh Sharma<br/>(C) Vikram Sarabhai<br/>(D) Homi Bhabha</p>                          | (C)        |
| 103          | 17-12-2020 | 64   | <p>The most common cause of anaemia in our country is due to deficiency of .....</p> <p>(A) Potassium<br/>(B) Calcium<br/>(C) Magnesium<br/>(D) Iron</p>                               | (D)        |

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| 103 | 17-12-2020 | 65 | <p>The first woman film star nominated to the Rajya Sabha was</p> <p>(A) Nargis Dutt</p> <p>(B) Shabana Azmi</p> <p>(C) Madhubala</p> <p>(D) Meena Kumari</p>   | (A) |
| 103 | 17-12-2020 | 66 | <p>The total ages of Ankit , Narendra and Satendra is 96 years. Five years ago, the ratio of their ages was 2 : 3 : 4. What is the present age of Satendra?</p> <p>(A) 21 years</p> <p>(B) 32 years</p> <p>(C) 41 years</p> <p>(D) 53 years</p> | (C) |
| 103 | 17-12-2020 | 67 | <p><math>33.003 \times 32.998 + 99.910 = ?</math></p> <p>(A) 1190</p> <p>(B) 1540</p> <p>(C) 1209</p> <p>(D) 1230</p>   | (A) |
| 103 | 17-12-2020 | 68 | <p><math>(4 / 5) \times ? \times (3 / 7) = (16 / 105)</math></p> <p>(A) 8/9</p> <p>(B) 5/7</p> <p>(C) 4/9</p> <p>(D) 3/7</p>  | (C) |
| 103 | 17-12-2020 | 69 | <p>Average of the present ages of husband, wife and their child is 38 years. At the time of birth of the child, average age of the husband and wife was 39 years. Find the present age of the child.</p> <p>(A) 7 years</p>                     | (B) |

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|     |            |    | <p>(B) 12 years</p> <p>(C) 9 years</p> <p>(D) 10 years</p>   |     |
| 103 | 17-12-2020 | 70 | <p>Find a number such that when 15 is subtracted from 7 times the number, the result is 10 more than twice the number.</p> <p>(A) 5</p> <p>(B) 10</p> <p>(C) 15</p> <p>(D) 20</p>  | (A) |
| 103 | 17-12-2020 | 71 | <p>When is a signal person required for crane operation?</p> <p>(A) When operator cannot see the landing area</p> <p>(B) When operator cannot see the load</p> <p>(C) When operator cannot see the path of travel of load or crane</p> <p>(D) All of the options</p> | (D) |
| 103 | 17-12-2020 | 72 | <p>Who can signal a crane to stop during a lift?</p> <p>(A) Qualified signal person</p> <p>(B) Qualified Rigger</p> <p>(C) Anyone</p> <p>(D) Supervisor</p>  | (C) |
| 103 | 17-12-2020 | 73 | <p>What is the full form of EOT crane?</p> <p>(A) Electrically operated tower crane</p> <p>(B) Electric overhead traveling crane</p> <p>(C) Electric overhead tower crane</p> <p>(D) Electrically operated travelling crane</p>                                      | (B) |
| 103 | 17-12-2020 | 74 | <p>A competent crane operator is one who is?</p>   | (D) |

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|     |            |    | <p>(A) Knowledgeable</p> <p>(B) Well trained</p> <p>(C) Qualified</p> <p>(D) All of the options</p>  |     |
| 103 | 17-12-2020 | 75 | <p>At the beginning of your shift your supervisor has instructed you to move a large motor from point A to point B with your crane; you should first:</p> <p>(A) Perform a daily crane inspection</p> <p>(B) Read the crane operators manual</p> <p>(C) Go get the proper rigging</p> <p>(D) None of the options</p> | (A) |
| 103 | 17-12-2020 | 76 | <p>Where do you find birdcage defect in a crane?</p> <p>(A) Hook</p> <p>(B) Wire rope</p> <p>(C) Sheaves</p> <p>(D) Hoist</p>  | (B) |
| 103 | 17-12-2020 | 77 | <p>How many milliwatts are there in 100 microwatts?</p> <p>(A) 0.01 milliwatts</p> <p>(B) 0.1 milliwatts</p> <p>(C) 1.0 milliwatts</p> <p>(D) 0.001 milliwatts</p>   | (B) |
| 103 | 17-12-2020 | 78 | <p>How should a fuse be installed in a circuit to ensure proper operation?</p> <p>(A) parallel to the load</p> <p>(B) series with the load</p> <p>(C) in any way possible</p>  | (B) |

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|     |            |    | (D) at the ground point  |     |
| 103 | 17-12-2020 | 79 | <p>The Henry is the unit of measurement for which of the following properties?</p> <p>(A) reactance</p> <p>(B) capacitance</p> <p>(C) resistance</p> <p>(D) induction</p>  | (D) |
| 103 | 17-12-2020 | 80 | <p>When the hoisted load is lowered, the bottom block drifts when you let go of the button on the pushbutton control. What could be the cause?</p> <p>(A) Brake is adjusted too tight</p> <p>(B) Brake is adjusted too loose</p> <p>(C) Limit switch not properly set</p> <p>(D) Wire rope is too long</p> | (B) |
| 103 | 17-12-2020 | 81 | <p>When using a standard multimeter to measure AC voltage, what type of measurement will the multimeter indicate?</p> <p>(A) peak-to-peak</p> <p>(B) peak</p> <p>(C) average</p> <p>(D) rms</p>  | (D) |
| 103 | 17-12-2020 | 82 | <p>The role of the rigger includes _____</p> <p>(A) Using proper hand signals at all times</p> <p>(B) Inspecting all equipment for damage and defects before use</p> <p>(C) Knowing how to safely connect and disconnect loads</p> <p>(D) All of the options</p>   | (D) |

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| 103 | 17-12-2020 | 83 | <p>When is side pulling allowed in safe crane operations?</p> <p>(A) Always</p> <p>(B) Sometimes</p> <p>(C) Only if established by a qualified person</p> <p>(D) Never</p>  | (D) |
| 103 | 17-12-2020 | 84 | <p>SWL means</p> <p>(A) Safe Working Load</p> <p>(B) Standard Working Load</p> <p>(C) Stable Working Load</p> <p>(D) Small Working Load</p>   | (A) |
| 103 | 17-12-2020 | 85 | <p>Which among the following statement is correct in respect of positioning the sling</p> <p>(A) Keep the slings as far vertical as possible</p> <p>(B) Check that the load is not rigid enough to support its own weight</p> <p>(C) Check that the sling is not bearing on any sharp edge</p> <p>(D) Place the slings so that the load is unstable</p> | (C) |
| 103 | 17-12-2020 | 86 | <p>A differential hoist is made with</p> <p>(A) One sheave on the upper block and one sheave on the lower block</p> <p>(B) One sheave on the upper block and two sheaves on the lower block</p> <p>(C) Two sheaves on the upper block and one sheave on the lower block</p> <p>(D) Two sheaves only on the lower block</p>                              | (C) |
| 103 | 17-12-2020 | 87 | <p>What should the operator do if communication is lost to the signal person?</p> <p>(A) Continue with movement until told otherwise</p>  | (B) |

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|     |            |    | <p>(B) Stop any movement until the communication is restored</p> <p>(C) Cable up until the load is in view</p> <p>(D) Get out of crane and check the load</p>  |     |
| 103 | 17-12-2020 | 88 | <p>Which of the following operational safety devices does not monitor or control the handling capabilities of the crane?</p> <p>(A) Overload Indicators</p> <p>(B) Emergency stop buttons</p> <p>(C) LT warning Indication</p> <p>(D) Limit Switches</p> | (C) |
| 103 | 17-12-2020 | 89 | <p>Which of the following is an appropriate use for a voltmeter?</p> <p>(A) To measure difference of potential</p> <p>(B) To measure current flow</p> <p>(C) To determine total resistance</p> <p>(D) To determine power output</p>                      | (A) |
| 103 | 17-12-2020 | 90 | <p>What is the term used to describe the ability of a device to store energy in the form of an electrical charge?</p> <p>(A) inductance</p> <p>(B) conductance</p> <p>(C) reactance</p> <p>(D) capacitance</p>   | (D) |