

| Sr No. | MSc Disaster Management |
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| 1 | Find the missing term in the following series: 3,15,?,63,99,143...? |
| Alt1 | 27 |
| Alt2 | 35 |
| Alt3 | 45 |
| Alt4 | 56 |

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| 2 | Choose word from the given options which bears the same relationship to the third word, as the first two bears: Horse : Jockey :: Car : ? |
| Alt1 | Mechanic |
| Alt2 | Chauffeur |
| Alt3 | Steering |
| Alt4 | Brake |

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| 3 | Food is to Fad as Religion is to.....?..... |
| Alt1 | Crucification |
| Alt2 | Notion |
| Alt3 | Superstition |
| Alt4 | Mythology |

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| 4 | Select the lettered pair that has the same relationship as the original pair of words: Fond: Doting |
| Alt1 | Sollicitous: Concern |
| Alt2 | Verbose: Wordiness |
| Alt3 | Flurry: Blizzard |
| Alt4 | Magnificent: Grandiose |

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| 5 | Which of the following is the same as Emancipate, Free, Release? |
| Alt1 | Liberate |
| Alt2 | Quit |
| Alt3 | Pardon |
| Alt4 | Ignore |

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| 6 | Spot the defective segment from the following: |
| Alt1 | I met one of the mountaineers |
| Alt2 | that have returned |
| Alt3 | to their base camp |
| Alt4 | the last week |

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| 7 | Choose the meaning of the idiom/phrase from among the options given: To call names |
| Alt1 | to abuse |
| Alt2 | to recall something |
| Alt3 | to count the prisoners |
| Alt4 | to take attendance |

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| 8 | Our tour programme fell ----- because of inclement weather. |
| Alt1 | through |
| Alt2 | off |
| Alt3 | out |
| Alt4 | down |

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| 9 | Choose the option closest in meaning to the given word: POIGNANT |
| Alt1 | unbearable |
| Alt2 | maximal |
| Alt3 | pathetic |
| Alt4 | sharp |

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| 10 | Choose the antonymous option you consider the best: WANTON |
| Alt1 | rational |
| Alt2 | abstemious |
| Alt3 | dearth |
| Alt4 | deliberate |

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| 11 | Six people K, L, M, N, O and P are sitting around a table as per the following conditions. i. N and O are opposite each other ii. K is to the right of M iii. L and K are opposite each other iv. N is to the left of P Who is to the left of L ? |
| Alt1 | P |
| Alt2 | M |
| Alt3 | N |
| Alt4 | O |

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| 12 | Study the following table carefully to answer the questions that follow (15 to 17) :Total number of employees in different departments in an organisation and (of these) percentage of females and males Department Total number of employees Percentage of female employees Percentage of male employees IT 840 45 55 Accounts 220 35 65 Production 900 23 77 HR 360 65 35 Marketing 450 44 56 Customer Service 540 40 60 What is the total number of male employees in the IT and Customer Service departments put together? |
| Alt1 | 115 |
| Alt2 | 786 |

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| Alt3 | 768 |
| Alt4 | 85 |

| 13 | <p>Study the following table carefully to answer the questions that follow (15 to 17) :Total number of employees in different departments in an organisation and (of these) percentage of females and males</p> <table border="1"> <thead> <tr> <th>Department</th> <th>Total number of employees</th> <th>Percentage of female employees</th> <th>Percentage of male employees</th> </tr> </thead> <tbody> <tr> <td>IT</td> <td>840</td> <td>45</td> <td>55</td> </tr> <tr> <td>Accounts</td> <td>220</td> <td>35</td> <td>65</td> </tr> <tr> <td>Production</td> <td>900</td> <td>23</td> <td>77</td> </tr> <tr> <td>HR</td> <td>360</td> <td>65</td> <td>35</td> </tr> <tr> <td>Marketing</td> <td>450</td> <td>44</td> <td>56</td> </tr> <tr> <td>Customer Service</td> <td>540</td> <td>40</td> <td>60</td> </tr> </tbody> </table> <p>What is the total number of employees in all departments put together ?</p> | Department | Total number of employees | Percentage of female employees | Percentage of male employees | IT | 840 | 45 | 55 | Accounts | 220 | 35 | 65 | Production | 900 | 23 | 77 | HR | 360 | 65 | 35 | Marketing | 450 | 44 | 56 | Customer Service | 540 | 40 | 60 |
|------------------|---|--------------------------------|------------------------------|--------------------------------|------------------------------|----|-----|----|----|----------|-----|----|----|------------|-----|----|----|----|-----|----|----|-----------|-----|----|----|------------------|-----|----|----|
| Department | Total number of employees | Percentage of female employees | Percentage of male employees | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IT | 840 | 45 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Accounts | 220 | 35 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production | 900 | 23 | 77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HR | 360 | 65 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marketing | 450 | 44 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer Service | 540 | 40 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alt1 | 3260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alt2 | 3310 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alt3 | 3140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alt4 | 3020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 14 | <p>Select the alternative that logically follows from the two given statements, but not from one statement alone:</p> <p>All Cats are dogs No dogs are rats</p> |
| Alt1 | All cats are rats |
| Alt2 | Some cats are rats |
| Alt3 | No cat is rat |
| Alt4 | None of the above |

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| 15 | <p>In a certain code language, “ When did you come” is written as ‘ti na ki ja’. “Will you come again” is written as ‘na pa sa ja’ and “She will go” is written as ‘pa da ra’. How is “again” written in that code language ?</p> |
| Alt1 | Na |
| Alt2 | sa |
| Alt3 | ja |
| Alt4 | da |

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| 16 | <p>In each of the following questions some statements are followed by two conclusions (i) and (ii). Read the statements carefully and then decide which of the conclusions follow beyond a reasonable doubt. Mark your answer as</p> <p>Statement: The aspirants should apply through a proper channel for permission Conclusions: (i) Those who apply through proper channel will get permission (ii) Those who do not apply through proper channel will not get permission</p> |
| Alt1 | If only conclusion (i) follows |

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| Alt2 | If only conclusion (ii) follows |
| Alt3 | If neither conclusion (i) nor (ii) follows |
| Alt4 | If both the conclusions follow |

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| 17 | The average height of 3 children is 115 cms. If the heights of 2 children are 117 cms. And 112 cms. Respectively, the height of the third child is |
| Alt1 | 112 cms. |
| Alt2 | 113 cms. |
| Alt3 | 115 cms. |
| Alt4 | 116 cms. |

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| 18 | What is the 30% of 40% of 2/5th of 5000? |
| Alt1 | 500 |
| Alt2 | 800 |
| Alt3 | 240 |
| Alt4 | 720 |

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| 19 | There are n persons in a room. Each one is shaking hand with the other . Ultimately there are 66 hand-shakes. Then n= |
| Alt1 | 11 |
| Alt2 | 12 |
| Alt3 | 16 |
| Alt4 | 33 |

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| 20 | A problem is given to students 10 students choose option A ; 6 students choose option B ; 2 students choose option C; Gopal choose option D; 5 students did not answer. which option is correct if the teacher tells that One-Twelth of the class gave the correct answer. |
| Alt1 | B |
| Alt2 | A |
| Alt3 | C |
| Alt4 | D |

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| 21 | Amines behave as:- |
| Alt1 | aprotic acid |
| Alt2 | neutral compound |
| Alt3 | Lewis acids |
| Alt4 | Lewis base |

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| 22 | The dominant constituent of ultramafic rocks in the earth's mantle is:- |
| Alt1 | Plagioclase |
| Alt2 | Biotite |
| Alt3 | Olivine |
| Alt4 | Orthoclase |

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| 23 | The hardest oxide mineral in the Mohrs' scale of hardness is:- |
| Alt1 | Corundum |
| Alt2 | Quartz |
| Alt3 | Topaz |
| Alt4 | Diamond |

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| 24 | Which of the following process helps in the formation of rift valley? |
| Alt1 | Seismicity |
| Alt2 | Faulting |
| Alt3 | Folding |
| Alt4 | Volcanism |

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| 25 | Curd contains:- |
| Alt1 | Lactic acid |
| Alt2 | Oxalic acid |
| Alt3 | Citric acid |
| Alt4 | Formic acid |

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| 26 | Feldspar is the most abundant mineral of the earth's crust weather by:- |
| Alt1 | Hydrolysis |
| Alt2 | Physical weathering |
| Alt3 | Dissolution |
| Alt4 | Exfoliation |

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| 27 | A highly vesicular rock formed by solidification of viscous lava is:- |
| Alt1 | Pumice |
| Alt2 | Obsidian |
| Alt3 | Tuff |
| Alt4 | Volcanic Breccia |

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| 28 | An ungloved fist will do more damage to a jaw than a gloved fist. The reason for this is that the ungloved fist:- |
| Alt1 | delivers a larger impulse to the jaw. |
| Alt2 | has less air resistance on it. |
| Alt3 | exerts a larger force on the jaw. |
| Alt4 | none of these |

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| 29 | 5.6 liter of helium gas at STP is adiabatically compressed to 0.7 liters. Taking the initial temperature to be T_1 , the work done in the process is:- |
| Alt1 | 19RT8 |
| Alt2 | 13RT2 |
| Alt3 | 115RT8 |
| Alt4 | 19RT2 |

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| 30 | 2004 Great Sumatra-Andaman earthquake is due to:- |
| Alt1 | Listric fault |

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| Alt2 | Normal fault |
| Alt3 | Strikeslip fault |
| Alt4 | Reverse (Thrust) fault |

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| 31 | Dendritic drainage pattern develops over a region having a:- |
| Alt1 | a regularly fractured lithology |
| Alt2 | conical mountain |
| Alt3 | highly jointed rocks |
| Alt4 | uniform unbroken lithology |

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| 32 | Combustion is a:- |
| Alt1 | ionic process |
| Alt2 | Magnetic process |
| Alt3 | Chemical process |
| Alt4 | Physical process |

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| 33 | A metal present in insulin is:- |
| Alt1 | Copper |
| Alt2 | Zinc |
| Alt3 | Aluminium |
| Alt4 | Iron |

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| 34 | The only volcanic island of India is:- |
| Alt1 | Minicoy |
| Alt2 | Kavaratti |
| Alt3 | Barren |
| Alt4 | Androth |

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| 35 | A woman lifts a box from the floor. She then moves with constant speed to the other side of the room, where she puts the box down. How much work does she do on the box while walking across the floor at constant speed? (J = Joules):- |
| Alt1 | more than zero J |
| Alt2 | less than 1 |
| Alt3 | zero J |
| Alt4 | more information needed to determine |

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| 36 | At the head of a glacier, where a deep vertical crack open up called a:- |
| Alt1 | Rimaye |
| Alt2 | Beroschrund |
| Alt3 | Corrie |
| Alt4 | Both a & b |

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| 37 | The discontinuity between mantle and core is referred as:- |
| Alt1 | Gutenberg continuity |
| Alt2 | Mohorovic continuity |
| Alt3 | conard discontinuity |
| Alt4 | Repetiti discontinuity |

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| 38 | Which cycloalkane has the lowest heat of combustion per CH ₂ group? |
| Alt1 | Cyclopentane |
| Alt2 | Cyclohexane |
| Alt3 | Cyclobutane |
| Alt4 | Cyclopropane |

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| 39 | Which of the following compound would not evolve CO ₂ when treated with NaHCO ₃ solution? |
| Alt1 | phenol |
| Alt2 | 4-nitro benzoic acid |
| Alt3 | salicylic acid |
| Alt4 | benzoic acid |

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| 40 | A ball of mass (m) 0.5 kg is attached to the end of a string having length (L) 0.5 m. The ball is rotated on a horizontal circular path about vertical axis. The maximum tension that the string can bear is 324 N(Newton). The maximum possible value of angular velocity of ball (in radian/s) is:- |
| Alt1 | 9 |
| Alt2 | 27 |
| Alt3 | 18 |
| Alt4 | 36 |

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| 41 | What is the nature of glucose-glucose linkage in starch that makes it so susceptible to acid hydrolysis? |
| Alt1 | Starch is hemiacetal |
| Alt2 | Starch is acetal |
| Alt3 | Starch is polymer |
| Alt4 | Starch contains only few molecules of glucose |

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| 42 | Dissolving 120 g of urea (molecular weight. 60) in 1000 g of water gave a solution of density 1.15 g/ml. The molarity (M) of the solution is:- |
| Alt1 | 2.05 M |
| Alt2 | 1.78 M |
| Alt3 | 2.22 M |
| Alt4 | 2.00 M |

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| 43 | A police car with a siren of frequency 8 kHz is moving with uniform velocity 36 km/hr towards a tall building which reflects the sound waves. The speed of sound in air is 320 m/s.The frequency of the siren heard by the car driver is:- |
| Alt1 | 8.25 kHz |
| Alt2 | 7.50 kHz |
| Alt3 | 8.50 kHz |
| Alt4 | 7.75 kHz |

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| 44 | Where is Dead Sea situated in the following continents? |
| Alt1 | Africa |
| Alt2 | Europe |
| Alt3 | Australia |

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| Alt4 | Asia |
| 45 | The surface of discontinuity between older folded sedimentary strata and younger horizontal strata is known as:- |
| Alt1 | parallel unconformity |
| Alt2 | nonconformity |
| Alt3 | disconformity |
| Alt4 | angular unconformity |
| 46 | A meter bridge is set up as shown, to determine an unknown resistance 'X' using a standard 10 ohm resistor. The galvanometer shows null point when tapping-key is at 52 cm mark. The end-corrections are 1 cm and 2 cm respectively for the ends A and B. The determined value of 'X' is B 10Ωv A X:- |
| Alt1 | 10.6 ohm |
| Alt2 | 10.8 ohm |
| Alt3 | 11.1 ohm |
| Alt4 | 10.2 ohm |
| 47 | Rocks that consist entirely of glassy material are referred to as:- |
| Alt1 | Hemicrystalline |
| Alt2 | Hypocrystalline |
| Alt3 | Merocrystalline |
| Alt4 | Halohyline |
| 48 | Which of the following features is not associated with Karst Topography? |
| Alt1 | Potholes |
| Alt2 | Stalactite |
| Alt3 | Blind valley |
| Alt4 | Dolines |
| 49 | Which of the following name is given to the planetary winds blowing between the tropics? |
| Alt1 | Trade winds |
| Alt2 | Westerlies |
| Alt3 | Polar winds |
| Alt4 | Monsoon |
| 50 | A gaseous mixture was prepared by taking equal mole of CO and N ₂ If the total pressure of the mixture was found 1 atmosphere, the partial pressure of the nitrogen (N ₂) in the mixture is:- |
| Alt1 | 0.9 atm |
| Alt2 | 0.8 atm |
| Alt3 | 1 atm |
| Alt4 | 0.5 atm |
| 51 | When a rifle is fired it recoils so both the bullet and rifle are set in motion. The rifle and bullet ideally acquire equal:- |
| Alt1 | but opposite amounts of momentum. |
| Alt2 | amounts of kinetic energy. |

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| Alt3 | both of these. |
| Alt4 | none of these |

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| 52 | The term Isostasy is given by:- |
| Alt1 | Pratt |
| Alt2 | Dutton |
| Alt3 | Heiskanen |
| Alt4 | Airy |

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| 53 | The age of the earth is:- |
| Alt1 | 2 million years |
| Alt2 | 10.5 billion years |
| Alt3 | 4.5 billion years |
| Alt4 | 7.5 billion years |

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| 54 | The wavelength of the first spectral line in the Balmer series of hydrogen atom is 6561 \AA (Angstrom Unit). The wavelength of the second spectral line in the Balmer series of singly - ionized helium atom is:- |
| Alt1 | 2430 \AA |
| Alt2 | 4687 \AA |
| Alt3 | 1640 \AA |
| Alt4 | 1215 \AA |

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| 55 | Which of the following cities is not located on Varanasi-Chennai rail-route? |
| Alt1 | Hyderabad |
| Alt2 | Allahabad |
| Alt3 | Nagpur |
| Alt4 | Jabalpur |

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| 56 | Resisting a change in motion is called:- |
| Alt1 | Acceleration |
| Alt2 | Rotation |
| Alt3 | Inertia |
| Alt4 | Revolution |

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| 57 | The most suitable radioactive method for dating Holocene events is:- |
| Alt1 | C-14 |
| Alt2 | U~Pb |
| Alt3 | Rb~Sr |
| Alt4 | Sm~Nd |

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| 58 | This of the following does not form a good aquifer:- |
| Alt1 | Jointed basalt |
| Alt2 | Tills |
| Alt3 | Sandstone |
| Alt4 | Massive granite |

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| 59 | An ox-bow lake is formed in:- |
| Alt1 | Old stage of river |
| Alt2 | Young stage of river |
| Alt3 | Middle stage of river |
| Alt4 | None of these |

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| 60 | A ligand can also be regarded as:- |
| Alt1 | Lewis base |
| Alt2 | Bronsted base |
| Alt3 | Lewis acid |
| Alt4 | Bronsted acid |

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| 61 | Extra pure N ₂ can be obtained by heating:- |
| Alt1 | (NH ₄) ₂ Cr ₂ O ₇ |
| Alt2 | NH ₄ NO ₃ |
| Alt3 | Ba(N ₃) ₂ |
| Alt4 | NH ₃ with CuO |

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| 62 | Plate tectonic concepts demonstrates that Indian plate is moving towards:- |
| Alt1 | North |
| Alt2 | South |
| Alt3 | East |
| Alt4 | West |

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| 63 | Acidified sodium fusion extract on addition of ferric chloride solution gives blood red coloration which confirms the presence of:- |
| Alt1 | S and Cl |
| Alt2 | N and S |
| Alt3 | S |
| Alt4 | N |

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| 64 | When a mixture of calcium benzoate and calcium acetate is dry distilled, the resulting compound is:- |
| Alt1 | Benzophenone |
| Alt2 | Benzaldehyde |
| Alt3 | Acetophenone |
| Alt4 | Acetaldehyde |

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| 65 | Among the following compounds, the most acidic is:- |
| Alt1 | o-hydroxybenzoic acid |
| Alt2 | p-nitrophenol |
| Alt3 | p-toluic acid |
| Alt4 | p-hydroxybenzoic acid |

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| 66 | No work is done by gravity on a bowling ball that rolls along a bowling alley because:- |
| Alt1 | the force on the ball is at right angles to the ball's motion. |
| Alt2 | no distance is covered by the ball. |

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| Alt3 | no potential energy is being converted to kinetic energy |
| Alt4 | no force acts on the ball. |

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| 67 | When it is 6.00 AM on 0° meridian, at the same time what time would be there in India? |
| Alt1 | 11.30 AM |
| Alt2 | 5.30 AM |
| Alt3 | 9.30 AM |
| Alt4 | 6.30 AM |

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| 68 | Geometrical shapes of the complexes formed by the reaction of Ni ²⁺ with Cl ⁻ , CN ⁻ and H ₂ O, respectively, are:- |
| Alt1 | square planar, tetrahedral and octahedra |
| Alt2 | octahedral, tetrahedral and square planar |
| Alt3 | tetrahedral, square planar and octahedral |
| Alt4 | octahedral, square planar and octahedral |

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| 69 | Three capacitors with different capacitances are connected in series. Which of the following statements is TRUE? |
| Alt1 | The capacitance of the system depends on the voltage applied across the three capacitors. |
| Alt2 | The magnitude of the charge is the same on all of the capacitor plates. |
| Alt3 | All three of the capacitors have the same potential difference between their plates. |
| Alt4 | None of these |

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| 70 | A block of metal which weighs 60 Newtons in air and 40 Newtons under water has a density, in kilograms per meter cubed, of:- |
| Alt1 | 5000 |
| Alt2 | 1000 |
| Alt3 | 3000 |
| Alt4 | 7000 |

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| 71 | Rainbearing clouds are:- |
| Alt1 | Nimbus |
| Alt2 | Cirrus |
| Alt3 | Stratus |
| Alt4 | Cumulonimbus |

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| 72 | An infinitely long wire carries a current of three amps. The magnetic field outside the wire:- |
| Alt1 | points radially inward |
| Alt2 | is zero |
| Alt3 | circles the wire |
| Alt4 | points radially away from the wire |

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| 73 | A copper rod which is 1 centimeter in diameter carries a current of 5 amps. The current is distributed uniformly throughout the rod. The magnetic field half way between the axis of the rod and its outside edge is:- |
| Alt1 | pointing radially inward |
| Alt2 | pointing radially outward |

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| Alt3 | zero. |
| Alt4 | circles the axis of the rod |

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| 74 | If the distance between two objects, each of mass 'M', is tripled, the force of attraction between the two objects is:- |
| Alt1 | unchanged |
| Alt2 | 1/2 the original force |
| Alt3 | 1/9 the original force |
| Alt4 | 1/3 the original force |

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| 75 | The Eastern Ghats hill ranges are:- |
| Alt1 | folded mountains |
| Alt2 | block mountains |
| Alt3 | dome mountains |
| Alt4 | volcanic mountains |

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| 76 | Which of the following is the deepest lake? |
| Alt1 | Caspian Sea |
| Alt2 | Lake Victoria |
| Alt3 | Lake Baikal |
| Alt4 | Lake Superior |

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| 77 | The high quality of coal is:- |
| Alt1 | Lignite |
| Alt2 | Anthracite |
| Alt3 | Bituminous |
| Alt4 | Peat |

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| 78 | The collision between a photon and a free electron was first explained by which of the following scientists? |
| Alt1 | Compton |
| Alt2 | Einstein |
| Alt3 | Bohr |
| Alt4 | Heisenberg |

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| 79 | A 10 kilogram mass rests on a horizontal frictionless surface. A horizontal force of 5Newtons is applied to the mass. After the force has been applied for 1 second, the velocity of the mass is:- |
| Alt1 | 50 meters per second |
| Alt2 | 0.5 meters per second |
| Alt3 | 10 meters per second |
| Alt4 | 5 meters per second |

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| 80 | Air pollution causes:- |
| Alt1 | Fever |
| Alt2 | Hearing problem |
| Alt3 | Cancer |
| Alt4 | Asthma |

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| 81 | Five Coulombs of charge are placed on a thin-walled conducting shell. Once the charge has come to rest, the electric potential inside the hollow conducting shell is found to be:- |
| Alt1 | varying as one over r squared |
| Alt2 | zero |
| Alt3 | smaller than the electric potential outside the sphere |
| Alt4 | uniform inside the sphere and equal to the electric potential on the surface of the sphere |

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| 82 | The Tesla and the Gauss are units of measure of:- |
| Alt1 | magnetic flux |
| Alt2 | magnetic field strength |
| Alt3 | electrical current |
| Alt4 | conductance |

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| 83 | A constant potential difference is applied across the plates of a parallel-plate capacitor. Neglecting any edge effects, the electric field inside the capacitor is- |
| Alt1 | zero |
| Alt2 | constant |
| Alt3 | decreasing as one moves from the positive to the negative plate |
| Alt4 | varying as one over r squared |

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| 84 | One of Geology's greatest contributions to human thought is:- |
| Alt1 | the recognition of the long span of time involved in Earth history |
| Alt2 | the recognition that the Earth is the center of the solar system |
| Alt3 | the realization that the world is round |
| Alt4 | the realization that the sun not the Earth is the center of the solar system |

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| 85 | Metamorphic rocks are changed rocks. Which of the following rock types could be the "parent" of a metamorphic rock? |
| Alt1 | Igneous |
| Alt2 | Metamorphic |
| Alt3 | Sedimentary |
| Alt4 | Sedimentary, Igneous and metamorphic |

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| 86 | Earth is composed of:- |
| Alt1 | Crust only |
| Alt2 | Crust, Mantle and Core |
| Alt3 | Crust and Core |
| Alt4 | Crust and Mantle |

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| 87 | Sea Waves are caused by:- |
| Alt1 | Wind |
| Alt2 | Temperature |
| Alt3 | Pressure |
| Alt4 | Currents |

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| 88 | The shape of the earth is:- |
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| Alt1 | Oblate spheroid |
| Alt2 | Ellipse |
| Alt3 | Sphere |
| Alt4 | Circle |

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| 89 | Hot Spots are known for:- |
| Alt1 | Tornado |
| Alt2 | Landslides |
| Alt3 | Seismicity |
| Alt4 | Flood |

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| 90 | Fossils are:- |
| Alt1 | Wood |
| Alt2 | Preserved harder parts of dead one |
| Alt3 | Living organism |
| Alt4 | Dead organism |

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| 91 | Landslide occurs due to:- |
| Alt1 | Gravity |
| Alt2 | Unstable slope, heavy rain and gravity |
| Alt3 | Heap of sediments |
| Alt4 | Stable slope |

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| 92 | Black smoker emits in the sea:- |
| Alt1 | Sulphides |
| Alt2 | Methane |
| Alt3 | Oxygen |
| Alt4 | CO ₂ |

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| 93 | Himalayas are formed by the collision of:- |
| Alt1 | Indian and African plates |
| Alt2 | Indian and Tibetan plates |
| Alt3 | Indian and Australian plates |
| Alt4 | Indian and Pacific plates |

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| 94 | Dunes mostly are seen in:- |
| Alt1 | Poles |
| Alt2 | Deserts |
| Alt3 | Cold places |
| Alt4 | Hilly places |

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| 95 | The phenomenon of unstable atom changing into stable atom by giving of radiation is called:- |
| Alt1 | Emission |
| Alt2 | Thermal radiation |
| Alt3 | Bombardment |
| Alt4 | Radioactivity |

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| 96 | Which one of the following statements correctly defines the term transhumance? |
| Alt1 | Practice of growing crops on higher hill slopes in summer and foothills in winter |
| Alt2 | Seasonal migration of people with their animals up and down the mountains |
| Alt3 | Economy that solely depends upon animals |
| Alt4 | Farming in which only one crop is cultivated by clearing hill slopes |

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| 97 | Approximately how long ago did the Big Bang take place? |
| Alt1 | 100-150 million years ago |
| Alt2 | 10-15 million years ago |
| Alt3 | 10-15 thousand years ago |
| Alt4 | 10-15 billion years ago |

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| 98 | Ice age was:- |
| Alt1 | Cambrian period |
| Alt2 | Crataceous period |
| Alt3 | Pleistocene period |
| Alt4 | Miocene period |

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| 99 | The barriers that can prevent small farmers in many nations from participating in the green revolution include:- |
| Alt1 | small size of farms |
| Alt2 | money for investment |
| Alt3 | education |
| Alt4 | money for investment, education and small size of farms |

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|------|----------------------------|
| 100 | Crator lake is formed by:- |
| Alt1 | Glacier |
| Alt2 | Landslide |
| Alt3 | Earthquake |
| Alt4 | Volcano |