Pate 20

| | Pate 20 MITWITES | S |
|-----------|--|----------|
| | Section - I | water |
| | Dection - II | - Marine |
| | Good for math work | ius sini |
| | Insufficient length of the | he |
| | portion | - |
| (a) | Data: Add more headings | |
| | Three candidate contested hand necessary votes | - |
| | 15000, 10000, 8000 sespectively. | |
| | let us consider; | |
| | A = 15,000 | |
| | B = 10,000 | |
| | C = 8,000 | |
| | Find the percentage of minning candidate? | |
| | C: 8,000 Find the penentage of winning candidate? Selution. | |
| | Total votey - F+B+C | |
| | Total stes = 15,000+10,000+8,000. | |
| 1 | Total votes 1 33,000 | _ |
| 1 | | |
| | For finding the winning percentage; | |
| 776 | A is winning candidate as he recieved more votes. | _ |
| 1000 | | _ |
| - | A: recieved yotos x 100 f. | |
| - | 201007 | _ |
| | A USANO | |
| | A = 15000 × 100/ | |
| | | |
| | A = 15 100/. | |
| | | |
| | A = 45 45./. Am | |
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| | | - |
| | The state of the s | |
| P. Carles | the state of the s | |
| | | 1 |

| B | |
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| (Pno6(b) | |
| Data | |
| | :4:5 |
| Ratio of triangle's angles = 3 find each angle. | |
| | |
| 2 | |
| | |
| 23 35 | |
| | |
| Solution | |
| We have tuangle an | of the total sum |
| We have triangle and of angles of triangle is 100 | |
| let us consider the one pa | of friange is x. |
| : 3x+4n+5x=1200 | · · |
| 122 180 | |
| 71 = 180 | |
| 12 | - Lun |
| n=15 | 350 |
| Now find each angle | . 66 |
| 7,000 | |
| Let aught = 3x = 1 | X15 = 40° |
| 1st angle = 45 | |
| | |
| and angle = 4x = 4x | 15 = 60° |
| 2nd angle = | 60 |
| | |
| 3rd angle = 5x = | 5x 15= 75° |
| 3xd angle | . 95° |
| So, the angles of triangle are | 45°, 60°, and 75°. |

| ()NO | 6 (4) |
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| | |
| DI | |
| Dat | A: |
| | One group consist of 4 boys and 6 girls. How many boys required? If 100 girls available for such grouping. |
| | How many boys required! If 100 girls available for |
| Barba | such grouping. |
| | ution: |
| | |
| | First we find how many groups conformed it 102 girls appliable as 6 girls are required in one grou |
| | girls appliable as 6 girls all regulared in one grow |
| | Total mo: of groups. 102 |
| | Bi |
| | Total no: of groups 17 |
| | |
| | Now we find total no: of by required. |
| | |
| | No: of boys required = No: of bys in 1 group * Total go |
| | No: of boysnequined = 4 x 17 |
| | No of boys and wired - 188 |
| | |
| 50, | 68 boys are required, if 102 girls are available |
| | Aug |
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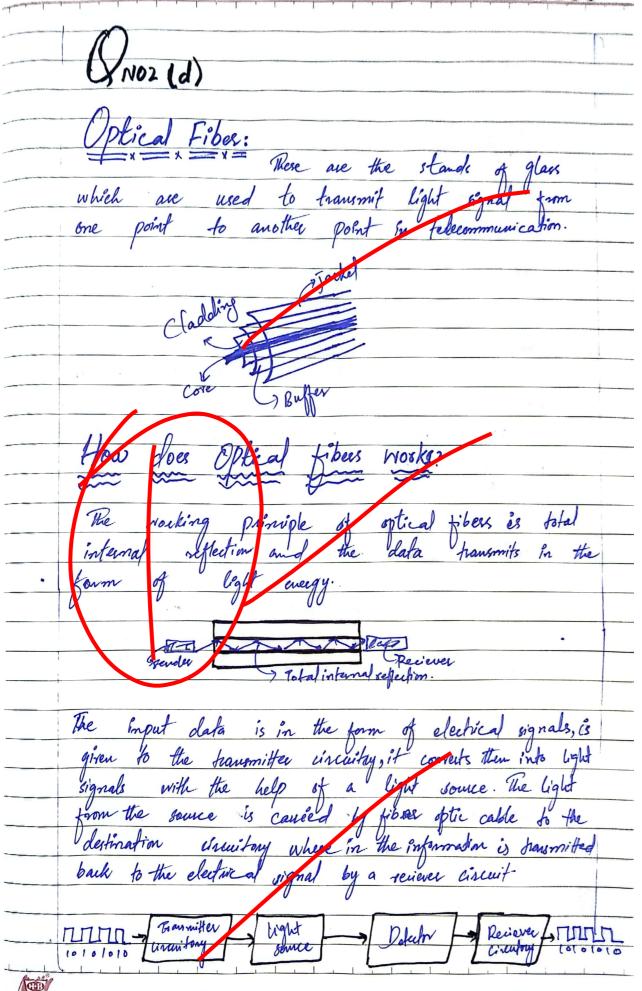
| Data: | |
|-----------|--|
| | Ratio of progent ages of A&B is 6:7 |
| | After 5 years, ratio become 7:8 find present ages of A \$8 |
| | find papers ager of s |
| Solution. | |
| | First find 1 unit age as the difference both fatio is 1. |
| in | First find 1 unit age as the difference both fatio is 1. |
| | +1 > 7 : 8 = 1 |
| | 797 : 8 = |
| 0 | In given statement, uge is asked after 5 years the age of one unit is 5. |
| 80, | the age of one must s. |
| | For finding prend age's of g. & B. |
| . = 3 | present age of A = 6×5 |
| | present age of 1 = 30 years |
| | |
| | present ageqB = 715 |
| | present age of B = 35 years |
| Here | Present age of A is 30 years and B is |
| 1 Tomes | Present age of A is 30 years and B is/ |
| | Aug. |
| | M· |
| | |
| | |
| | |

| | and the same of |
|--|--|
| NOTE | |
| Data: | |
| Each side of Sum. | - |
| Each side of Sum. find perimeter of pentagon -? | |
| Solution: | |
| | |
| Sum Scun | |
| Som Som segular pentagon. | |
| Sem) tagan | |
| Perimeter is the sum of all sides. So, | |
| Perimeter is the sum of all sides. Bo, P= Scm + Scm + Scm + Scm + Scm P = 25cm | |
| P = 25am | |
| | |
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| | ** T T T T T T T T T |
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| -{\ | (notal) |
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| | ata: |
| V | |
| | Average of 3 boys is 15 years. Ratio = 3:5:7 |
| | |
| Sol | find the age of youngest boy? |
| <i>D</i> - <i>R</i> | |
| | Formula of Average a+b+c+ = total average. |
| | n |
| | In given statement: |
| | 8 31ct 51ct 7c = 15 |
| | 3 |
| | 32 +52+7x = 15x3 |
| | 150/ = 95 |
| | 2 = 45 |
| | 35 |
| | (n=3) |
| | |
| | For, finding the age of youngest boy. Find the age of |
| | |
| | $a = 3x = 3x^3 = 9ye$ |
| | b = 5x = 5x = 15 pars |
| | C = 7x = 7x3 = 31 years. |
| | To de la |
| | Therefore, a is they youngest by and his age |
| | us 9 years old. |
| | |
| | |
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| | D Section - I |
|---|--|
| | (no2(b) |
| | (), ne > (+) |
| | ρ_{\star} ρ_{\star} |
| | Big Bang: |
| | It is the theory that describes that |
| | how the universe expanded from an initial |
| | State. It is the idea that universe began as |
| | just a single points then expanded and streetched to grow as large as it is now. |
| | strutuled to grow as large as it is now. |
| | |
| | Big Crunch: |
| | If the theory that describes the |
| | |
| | |
| | reverses and the universe recollapses. |
| | |
| | Big Bar) Real start propertien |
| | Big Brill Men slar start start sale |
| | |
| , | |
| | Big Bang Theory Big Church Theory |
| - | |
| | How age of Uniterse is determined? |
| | The age |
| | of universe estimate by the Astronomers by two |
| | ways: |
| 5 | @ By looking for the oldest Stars. |
| | |
| | (2) By measuring the rate of expansion of the |
| | Bana |
| | |
| | and the second of the second o |
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| | (No2(c) |
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| | Sources Of Kenewable energy: |
| | = x = T = x = x |
| 0 | Wind power: |
| | producing so, sinklows can be used to sum the subines. It is most common for commercial use. |
| | producing to distance can be used to some the |
| | I him Pl is and common to see in the |
| | Juli 1 nez. 17 is most commercial and |
| A | the decree of |
| Ø | Hydropowers |
| | well water is about 800-times deuser than airs |
| | used water is about 800-times deurer than airs |
| | expr a down flowing steam of water can un the |
| | Justines for producing engly. |
| | |
| 3 | So Lan Energy: |
| | It applies entry from sun in the. |
| | som of solar radiation for heat or to generate |
| | electricity generation. |
| | elachicity generation. |
| | |
| | Conthermal Engine |
| | Geothermal Energy: Hot water and steam from deep |
| | |
| | underground can be used to drive turbines. |
| A | 0. 1. 1. |
| (5) | Biofuels: |
| | It is derived from Using material and a class of renewable energy. The most common biofuels are ethanolog biodiesel 2 and brogas |
| | of renewable energy. The most common biofuels are ethanolog |
| | biodiesel, and biogas |
| | |



| | Onou(a) |
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| | |
| | Solid Waste Management: It is the complete process of collecting, treating and disposing of solid waste. |
| | Methods of Solid Waste Management. |
| 0 | Dumping into Sea. Solid waste shall be taken in |
| | barges sufficiently far away from the coast almost 15-30 km and dumped them. It is only possible |
| i | in coastal areas but it is not environment friendly. |
| 3 | Sanitary (Ind filling: |
| , | and selfel waste aid into layers. Layers are comparted |
| | with sme mechanical of upment and covered with earthy leveled and comparted. |
| ② | Use of evergy Combustion: Solid wast was burned |
| | without recovering energy. It is exceeds the acceptable temperations for electrostatic perficipation used for |
| | particular emission control |
| (9) | Composing: |
| | It is similar to sanitary land filling |

Lar en developing States. Ets product fertilizer 3 Fermentation: Waste convert into compost and reigle

possible in fermentation. It convert into compost

the method of composting used. It is

sitly used in big biological digestion waste. NO4(6) Pt blood throughout circuitatory main Human in blood Circulation Heart Bi-caspid-value. Ede-cardium. human hearts collect The deoxygeneted blood Veins. Then, store the deoxygenates this prevent

| | goes through pulmonatory artery and carry deoxygenated blood toward the lungs. Then, lungs will do oxygenation of blood. After this blood goes traough pulmonary velves towards left artium and left artium send it toward left arentrical by bicaspid value. After this, left bestical send blood | |
|---|--|---|
| | deoxygenated blood toward the lugs. Then, lugs | |
| | will do exprenation of blood. After this blood goes | |
| | Harrigh pulmonacy veins towards let arthum and | |
| | left artium cend it forward left arentrical by | |
| | his regid value. After this left serviced send blood | |
| | towards head, neck, arm, shoulder and lower | |
| | body by Aosta. | |
| | sucy of visit | |
| | | - |
| | (Xnoyle) | |
| | (), 110 4(c) | - |
| | M. ~° | - |
| | Myopia? It is the disease of eye in which near object is clear but disease faither away look blung | - |
| | V' It is the disease of eye in which | - |
| | nem object is clear but dojects faither away | _ |
| | look blury | _ |
| , | | _ |
| 1 | Hyperopia: | |
| | If if the disease of eye as well and | |
| | in which need object is blue but for | |
| | object is clav. | |
| | | |
| | Enlist Major Parts of Hyman eye: | |
| | 1. Sclesa | |
| | 2. Charoid | |
| | 3. Chanes | |
| | 4. Inis | |
| | 5. Pupil | |
| | 6. Leus | |
| | 7. Ratina | |
| | 8. Optic News | |
| | 9. Agrous of Virbous Humon | |

| | (No4 (d) |
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| | |
| (ix | Micro wave: |
| (1) | It is shorter than radio waves with |
| | |
| | |
| | cood food, transmit information and in sadar. It is |
| | useful in information be cause they can penetrate |
| | clouds, smoke and light cain. |
| | |
| 100 | |
| (11) | Ultravillet: |
| | It has wavelengths of 10-310mm. It has |
| | the next shortest wavelength lafter visible light. It |
| | is used in to find parturally En adulteration in |
| | Ligguid. |
| | Vitaviolet: |
| | |
| | UV-B OV-C. |
| | · Low frequency offeredium offered the frequency |
| 7-1-1 | |
| (iii) | X-Rays. |
| (1) | It has wavelengthe of 0.01-10 nm. They |
| | are generaled by seperheated gas from exploding |
| | stars and quagars. It has shorter wavelength |
| | than 12V rank It is used to be lake nichose |
| | of home A hadu- |
| |) som |
| | |
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