## PHYSICS

| 1. | While using an electric built the reflector to  | sue                | et righting should be a   |
|----|---|--------------------|---|
|    | A) Concave mirror   | B)                 | Convex mirror   |
|    | C) Cylinderical mirror  |                    | Plane mirror  |
|    | Sunlight filtering through a tree often make  | s circ             | cular patches on the ground because ;   |
|    | A) The space through which light penetrate  | es is              | round   |
|    | B) The sun is round   |                    |   |
|    | C) Light is transmitted through wave motion   | n                  |   |
|    | D) Due to diffraction of light  |                    | AND THE WORLD STORE STORE WHEN THE WORLD  |
|    | A ray of light passing through a prism having angle of incidence is double the angle of ref | ng ret             | fractive index of 1.414 suffers minimum deviation. If the on within the prism, the angle of prism is: |
|    | A) 30° B) 45°   |                    | C) 60° D) 90°   |
|    | A diode as rectifier converts:  |                    |   |
|    | A) AC into DC   |                    | DC into AC  |
|    | C) Varying DC into constant DC  |                    | High voltage into low voltage   |
|    | A metal surface ejects electrons when hit b<br>will also be ejected when the surface is hit | y gre<br>by:       | en light but none when hit by yellow light. The electrons   |
|    | A) Red light  | B)                 | Blue light  |
|    | C) Heat rays  | D)                 | Infrared light  |
|    | In terms of magnetic properties, oxygen be  | long               | s to :  |
|    | A) Non Magnetic Materials   | B)                 | Ferromagnetic Materials   |
|    | C) Paramagnetic Materials   |                    | Diamagnetic Materials   |
|    | A lens behaves as converging lens in air ar is:   | nd div             | verging lens in water. The refractive index of the material   |
|    | A) Equal to unity   | B)                 | Equal to 1.33   |
|    | C) Between unity and 1.33   | D)                 | Greater than 1.33   |
|    | The resolving power of the telescope depo   | ends               | upon:   |
|    | A) The focal length of the eye lens   | B)                 | The focal length of the objective   |
|    | C) The length of the telescope tube   | D)                 | Aperture of the objective length  |
| ). | Which of the following have maximum was   | velen              | gth?  |
|    | A) X rays B) Radio waves  |                    | C) UV rays D) IR rays   |
| ). | Two coherent sources of intensity $I_1$ and the interference pattern is:                    | I <sub>2</sub> pro | oduce an interference pattern. The maximum intensity in   |
|    | A) I <sub>1</sub> +I <sub>2</sub>   |                    | $I_1^2 + I_2^2$   |
|    | C) $(I_1 + I_2)^2$  | D                  | $(\sqrt{I_1} + \sqrt{I_2})^2$   |

11. The point charges 4q, -2q, +q, -3q are paced at the corners of square of side a as shown in figure the potential at the point O is:



B) 
$$\frac{1}{4\pi\varepsilon_0} \left(\frac{10q}{a}\right)$$



C) 
$$\frac{1}{4\pi\varepsilon_0} \left( \frac{2\sqrt{2q}}{a} \right)$$

- D)  $\frac{1}{4\pi\varepsilon_0} \left(\frac{2q}{a}\right)$
- An electric dipole of moment p is placed normal to the lines of force of electric field E, then work done
  in deflecting it through 180° is

A) pE

B) +2pE

C) -2pE

D) Zero

13. There is a solid sphere of radius R of metal having uniformly distributed charge. What is relation between electric field E and distance r from centre (r>R)?

A) E xr2

B)  $E \propto r^{-1}$ 

C) E∝r

D)  $E \propto r^2$ 

14. Which of the following is NOT the property of a metallic substance?

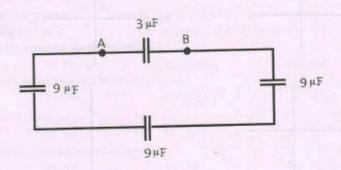
A) Good conductor

B) Opaque to light

C) Non crystalline

D) Involve non directional bonds

15. The equivalent capacitance between A and B in the following figure is:

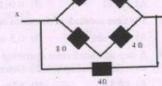


A) 51/30 μF

B) 6 µF

C) 30 µF

- D) 12 μF
- 16. Find the equivalence resistance in the point x and y:
  - A) 2Ω
  - B) 8 Ω
  - C) 6Ω
  - D) 4Ω



n 1

|      | be:                                      | resistance. Each rov                                | v is to contain  | equal number o     | of cells. The number | r of rows should                  |   |
|------|--|---|------------------|--------------------|----------------------|-----------------------------------|---|
|      | A) 2                                     | B) 4  | C)               | 5                  | D) 10                |                                   |   |
| 18.  | The temperature at                       | which thermoelects                                  | ric power of the | ermocouple is a    | ero is called:       |                                   |   |
|      | A) Inversion temp                        | erature   | B)               | Neutral temp       | erature              |                                   |   |
|      | C) Junction tempe                        | rature  | D)               | Null temperat      | ture                 |                                   |   |
| 19.  | In connection with                       | chemical effects of                                 | current, Farada  | ays constant is    | equal to :           |                                   |   |
|      | A) Electrochemica                        | l equivalent/chemica                                | al equivalent    |                    |                      |                                   | - |
|      | B) Electrochemica                        | l equivalent/gram ec                                | quivalent        |                    |                      |                                   |   |
|      | C) Gram equivaler                        | nt/Electrochemical e                                | quivalent        |                    |                      |                                   |   |
|      | D) Chemical equiv                        | alent/Electrochemic                                 | al equivalent    |                    |                      |                                   |   |
| 20.  | The relationship be                      | tween $\vec{B}$ , $\vec{I}$ and $\vec{I}$           | $\vec{q}$ is     |                    |                      |                                   |   |
|      | . 7 7 7                                  |   |                  | 7 7                | (                    | $(\widetilde{I} + \widetilde{H})$ |   |
| , th | A) $B = \mu_0 (I + H)$                   | $B)  \overrightarrow{B} = \mu_0 \overrightarrow{H}$ | (C)              | $B = \mu_0 I$      | D) $\vec{B} = 0$     | $\mu_0$                           |   |
| 21.  | Which of the follo                       | wing represent cor                                  | rectly the varis | ation of the ma    | onetic filed B at ar | axial point for                   |   |
| ~    |  | e distance from the                                 |                  |                    | greate med is at an  | rama point to                     |   |
|      | 3  |   |                  | B (1)              |                      |                                   |   |
|      | -  |   |                  |                    |                      |                                   |   |
|      |  |   |                  |                    |                      |                                   |   |
|      | A) 0                                     | У.  | В) —             |                    | x                    |                                   |   |
|      |  |   |                  | 0                  |                      |                                   |   |
|      |  |   |                  |                    |                      |                                   |   |
|      |  |   |                  | - 1                |                      |                                   |   |
|      | 1  |   |                  | "                  | -                    |                                   |   |
|      |  | 1 .   |                  |                    |                      |                                   |   |
|      | /  |   |                  | 1                  |                      |                                   |   |
|      | C) -                                     | x   | D) —             | 0                  | х х                  |                                   |   |
|      |  |   | THE .            | /                  |                      |                                   |   |
|      |  |   |                  |                    |                      |                                   |   |
| 22   |  | no 1 A han a intermed                               | maintanan af (   | OO To avtan        | d the renew unto 10  | A the measure                     |   |
| 44.  | An ammeter of rang<br>shunt required is  | ge 1A nas a internai                                | resistance of c  | 7.9 \$2. TO EXICIN | a me range upto 10/  | A, the necessary                  |   |
|      | Α) 0.1 Ω                                 | B) 0.01Ω  | C)               | 0.9 Ω              | D) 1Ω                |                                   |   |
| 23.  | The time constant of                     | of the series combin                                | ation of induct  | or 5 H and resis   | stance 10 Ω is       |                                   |   |
|      | A) 0.02 sec                              | B) 0.5 sec  | C)               | 2 sec              | D) 50 se             | c                                 |   |
| 24.  | A step up transforn<br>secondary winding | ner operating on 230 is 1:25. Determine t           |                  |                    | e load 2A. The ratio | of primary and                    |   |
|      | A) 12.5A                                 | B) 50A  |                  | 8.8A               | D) 25A               |                                   |   |

17. 100 cells each of emf 5V and internal resistance 1 ohm are to be arranged so as to produce maximum

|     | A) 10 <sup>-14</sup> m, 10 <sup>-10</sup> m     |  |                       | 10 <sup>-14</sup> m, 10 <sup>-8</sup> m  |                                   |
|-----|---|--|-----------------------|--|-----------------------------------|
|     | C) 10 <sup>-20</sup> m, 10 <sup>-10</sup> m     |  | D)                    | 10 <sup>-11</sup> m, 10 <sup>-10</sup> m |                                   |
|     |   |  |                       |  |                                   |
|     |   |  |                       | MISTRY                                   |                                   |
| 6.  |   |  |                       |  | duction of electricity is?        |
|     | A) Pyroelectric effec                           |  |                       | Photoelectric effect                     |                                   |
|     | C) Piezoelectric effec                          |  |                       | Ferroelectric effect                     |                                   |
| 27. | For two solutions of s                          | same concentration   | on, the os            | motic pressure at 32                     |                                   |
|     | A) 127°C  | B) 27°C  | C) 22                 | 27°C D)                                  | 17°C                              |
| 8.  | When lead storage ba                            | attery is charged  |                       |  |                                   |
|     | <ul> <li>A) Lead dioxide diss</li> </ul>        | olves  |                       |  |                                   |
|     | B) Sulphuric acid is                            | regenerated  |                       |  |                                   |
|     | C) Lead electrode be                            |  |                       | alphate                                  |                                   |
|     | D) The concentration                            |  |                       | Illamore they                            |                                   |
| 9.  | The rate constant for<br>of A is reduced to hal |  | on A → E              | 3 is 0.25 s <sup>-1</sup> . What v       | will be rate constant if conce    |
|     | A) 0.25 s <sup>-1</sup>                         | B) 0.30 s <sup>-1</sup>  |                       | C) 0.075 s <sup>-1</sup>                 | D) 2.25 s <sup>-1</sup>           |
| 0.  | Butter is a colloid form                        | The state of the s |                       |  |                                   |
|     | A) Fat is dispersed in                          |  | B)                    | Fat globules are dis                     | spersed in water                  |
|     | C) Water is dispersed                           |  |                       | Suspension of case                       |                                   |
| 1.  | The chief impurity pro                          |  | 38575                 |  |                                   |
|     | A) SiO <sub>2</sub>                             | B) Fe <sub>2</sub> O <sub>3</sub>  |                       | C) K <sub>2</sub> SO <sub>4</sub>        | D) NaF                            |
| 2.  | HCOOH reacts with                               | concentrated H2  | SO <sub>4</sub> to pr | oduce                                    |                                   |
|     | A) CO   | B) CO <sub>2</sub>   |                       | C) SO <sub>2</sub>                       | D) SO <sub>3</sub>                |
| 33. | Hybridization of S in                           | SO <sub>3</sub> is   |                       |  |                                   |
|     | A) sp <sup>2</sup>                              | B) sp <sup>3</sup>   |                       | C) sp <sup>3</sup> d                     | D) sp <sup>3</sup> d <sup>2</sup> |
| 14. | The most abundant no                            | oble gas in the at   | mosphere              | is:                                      |                                   |
|     | A) He   | B) Ne  |                       | C) Xe                                    | D) Ar                             |
| 35. | The shape of XeOF <sub>2</sub>                  | on the basis of V  | SPER the              | eory is                                  |                                   |
|     | A) Sea saw                                      |  |                       | V-shaped                                 |                                   |
|     | C) Triagonal planar                             |  | D)                    | T-shaped                                 |                                   |
| 16. | Which of the following                          | ng transition meta   | l shows o             | nly +3 oxidation stat                    | te?                               |
|     | A) Ce   | B) Pt  |                       | C) Gd                                    | D) Ni                             |
| 17. | IUPAC name of K <sub>3</sub> [I                 | Fe(CN) <sub>6</sub> ] is:  |                       |  |                                   |
|     | A) Potassium hexacy                             |  | B)                    | Potassium hexacya                        | anoferrate (III)                  |
|     |   | noiron (II)  | Di                    | Potassium hexacya                        | anoiron (III)                     |

25. The order of the size of the nucleus and Bohr radius of an atom respectively are

| 38.  | Which is a naturally                  |                         |            | C) Dahalita                         | 10)       | Terylene   |
|------|---------------------------------------|-------------------------|------------|-------------------------------------|-----------|--|
|      | A) Nylon                              | B) Protein              |            | C) Bakelite                         |           | ***************************************  |
| 39.  | Which of the followi                  | ng does not give a silv | er min     |                                     | D)        | All of them  |
|      | A) Lactose                            | B) Sucrose              | V          | C) Glucose                          | D)        | All Octubers   |
| 40.  |                                       | fer with respect to pos |            |                                     |           |  |
|      | <ul> <li>A) Carbon α and β</li> </ul> | to aldehyde group       | FAMILE     | Carbon number 3                     |           |  |
|      | C) Carbon number                      | 1                       | D)         | All the carbons                     |           |  |
| 41.  | Denaturation of prot                  | eins effect its:        |            |                                     |           |  |
|      | A) Tertiary structure                 | e                       | 100        | Secondary structure                 |           |  |
|      | C) Both secondary                     | and tertiary structure  |            | Only primary structur               |           |  |
| 42.  | o-Nitrophenol is stea                 | am volatile while p-ni  | trophen    | ol is not. This is due t            | 0:        |  |
|      | A) Intra-molecular                    | H-bonding in p-nitrop   | henol.     |                                     |           |  |
|      |                                       | H-bonding in o-nitrop   |            |                                     |           |  |
|      |                                       | H-bonding in o-nitrop   |            |                                     |           |  |
|      |                                       | ature of o-nitrophenol. |            |                                     |           |  |
| 43   | n-Bromophenol car                     | be prepared from ph     | enol by    | reaction with:                      |           |  |
|      | A) Aqueous Br <sub>2</sub>            |                         | B)         | Br2 in presence of sur              | nlight    |  |
|      | C) Br <sub>2</sub> in presence        | of FeCl <sub>3</sub>    | D)         | None of these                       |           | A COUNTY OF THE PARTY OF THE PA |
| 44   | Reaction of ethylan                   | nine with chloroform is | n alcoh    | olic KOH provides:                  |           |  |
|      | A) Methanol                           | B) CH <sub>3</sub> NC   |            | C) C <sub>2</sub> H <sub>5</sub> NC | D)        | C <sub>2</sub> H <sub>5</sub> CN   |
| 45   |                                       | ated with bromine water | er, it yie | elds:                               |           |  |
| .963 | A) o-bromoaniline                     |                         | B)         | p-bromoaniline                      |           |  |
|      | Co. Back (A) and (                    | R)                      | D)         | 2.4.6-tribromoaniling               | 9         |  |
| 44   | When a mixture of                     | f benzaldehyde and fo   | ormald     | chy? - is treated with              | concentra | ted NaOH solution, the   |
| 40   | product is:                           | Committee               |            |                                     |           |  |
|      |                                       | ate and benzyl alcoho   | lo         |                                     |           |  |
|      |                                       | ate and methyl alcohol  |            |                                     |           |  |
|      |                                       | e and benzyl alcohol    |            |                                     |           |  |
|      |                                       | e and methyl alcohol    |            |                                     |           |  |
| 4    |                                       | y decarboxylation of    |            |                                     |           |  |
| 4    | A) Benzoic acid                       |                         | B)         | Salicyclic acid                     |           |  |
|      | C) Phthalic acid                      |                         | D)         | All of these                        |           |  |
|      | 8 Which of the follo                  | wing reagents can dist  | tinguish   | C2H5OH from CH3C                    | DH?       |  |
|      | A) H <sub>2</sub> O                   | B) NH <sub>3</sub>      |            | C) I <sub>2</sub> + KOH             | Г         | ) HCI  |
|      | 11) 1120                              |                         | densati    |                                     |           |  |
|      | O Bakelite is obtaine                 |                         |            |                                     |           |  |
| 4    | Bakelite is obtaine     A) Ethanal    | d from pactor of see    | B          | Methanal<br>Ethylene glycol         |           |  |

| 50. | A compound 'X' on heating with soda   | lime gives etnane, A is :          |                     |  |  |  |  |  |  |
|-----|---|------------------------------------|---------------------|--|--|--|--|--|--|
|     | A) Ethanoic acid  | B) Propanoic acid                  |                     |  |  |  |  |  |  |
|     | C) Methanoic acid   | D) Ethyl acetate                   |                     |  |  |  |  |  |  |
|     |   | BIOLOGY                            |                     |  |  |  |  |  |  |
| 51. | The endosperm cells in angiosperms a  | re:                                |                     |  |  |  |  |  |  |
|     | A) Haploid B) Diploid   | C) Triploid                        | D) Tetraploid       |  |  |  |  |  |  |
| 52. | The semi dwarf wheat which was instrumental in increasing wheat production was developed by : |                                    |                     |  |  |  |  |  |  |
|     | A) Paul Ehlrick   | B) Kurien                          |                     |  |  |  |  |  |  |
|     | C) Edward Jenner  | D) Norman E. Borlaugh              |                     |  |  |  |  |  |  |
| 53. | Anthesis is:  |                                    |                     |  |  |  |  |  |  |
|     | A) Formation of Pollen  | B) Development of Anther           |                     |  |  |  |  |  |  |
|     | C) Reception of Pollen by stigmas   | D) Opening of flower bud           |                     |  |  |  |  |  |  |
| 54. | An organic substance which cannot b   | e degraded by any enzyme and extra | eme of environment: |  |  |  |  |  |  |
|     | A) Sporopollenin B) Lignin  | C) Cuticle                         | D) Cellulose        |  |  |  |  |  |  |
| 55. | I azyme required for polymerase chain reaction is :   |                                    |                     |  |  |  |  |  |  |
|     | A) RNA polymerase   | B) Ribonuclease                    |                     |  |  |  |  |  |  |
|     | C) Taq polymerase   | D) Endonuclease                    |                     |  |  |  |  |  |  |
| 56. | Who discovered jumping gene in Mai  | ze:                                |                     |  |  |  |  |  |  |
|     | A) Khorana  | B) Morgan                          |                     |  |  |  |  |  |  |
|     | C) Me Clintock  | D) Beadle and Tatum                |                     |  |  |  |  |  |  |
| 57. | Nucleosome contains:  |                                    |                     |  |  |  |  |  |  |
|     | A) Only histones  | B) Both DNA and histones           |                     |  |  |  |  |  |  |
|     | C) Only DNA   | D) Both DNA and RNA                |                     |  |  |  |  |  |  |
| 58  | . DNA synthesis during replication:   |                                    |                     |  |  |  |  |  |  |
|     | A) Discontinuous  | B) Continuous                      |                     |  |  |  |  |  |  |
|     | C) Semi-discontinuous   | D) None of above                   |                     |  |  |  |  |  |  |
| 59  | . The term molecular scissors refers to   |                                    |                     |  |  |  |  |  |  |
|     | A) DNA polymerases  | B) RNA polymerases                 |                     |  |  |  |  |  |  |
|     | C) Restriction endonucleases  | D) DNA ligases                     |                     |  |  |  |  |  |  |
| 60  | . In tissue culture shoot system is indus   |                                    |                     |  |  |  |  |  |  |
|     | A) IAA B) ABA   | C) Kinetin                         | D) GA3              |  |  |  |  |  |  |
| 61  | . First transgenic plant released for cor   | nmercial use was :                 |                     |  |  |  |  |  |  |
|     | A) Bt Cotton  | B) Tobacco                         |                     |  |  |  |  |  |  |
|     | C) Golden rice  | D) Solan gola                      |                     |  |  |  |  |  |  |

| 62. | Restriction enzymes     | are used to cut:        |           |                              |         |  |     |
|-----|-------------------------|-------------------------|-----------|------------------------------|---------|--|-----|
|     | A) Single stranded R    | RNA                     | B)        | Double stranded DNA          |         |  |     |
|     | C) Single stranded [    | ONA                     | D)        | Double stranded RNA          |         |  |     |
| 63. | DNA parts which can     | n switch their position | ns are    |                              |         |  |     |
|     | A) Cistrons             | B) Transposons          |           | C) Introns                   |         | None of these  |     |
| 64. | Which extra embryon     | nie membrane in hu      | mans p    | revent desiccation of the en | nbryo i | inside the uterus:   |     |
|     | A) Allantois            | B) Yolk sac             |           | C) Amnion                    | D)      | Chorion  |     |
| 65. | Allopatric speciation   | is due to geographic    | cal sepa  | ration of:                   |         |  |     |
|     | A) Species              | B) Population           |           | C) Plants                    | D)      | Animals  | 1.3 |
| 66. | Entire alimentary car   | nal can be regenerate   | ed by:    |                              |         |  |     |
|     | A) Amphibians           | B) Birds                |           | C) Fish                      | D)      | Sea cucumber   |     |
| 67. | Effect of alcohol is:   |                         |           |                              |         |  |     |
|     | A) Liver Cirrhosis      |                         | B)        | Kidney Failure               |         |  |     |
|     | C) Insomnia             |                         | D)        | All of the above             |         |  |     |
| 68, | The amount and distr    | ribution of yolk in eg  |           |                              |         |  |     |
|     | A) Number of blast      | omeres produced         | 100       | Pattern of cleavage          |         |  |     |
|     | C) Fertilization        |                         | D)        | Formation of zygote          |         |  |     |
| 69. | Lactation in sterile co | ows is induced by:      |           |                              |         |  |     |
|     | A) Stilbesterol         |                         | B)        | Vitamin B12                  |         |  |     |
|     | C) Gonadotropin         |                         | D)        | LH                           |         |  |     |
| 70. | A sex linked disorde    | er is:                  |           |                              |         |  |     |
|     | A) Albinism             |                         | 100       | Phenylketonuria              |         |  |     |
|     | C) Haemophilia          |                         |           | Sickle cell anaemia          |         |  |     |
| 71  | . The name "honey st    |                         | oplied fo | or:                          | Park.   |  |     |
|     | A) Crop                 | B) Stomach              |           | C) Pharynx                   | 10)     | Abdomen  |     |
| 72  | . Mammals have origi    |                         | the foll  |                              | 720     |  |     |
|     | A) Pisces               | B) Amphibia             |           | C) Reptilia.                 | D)      | Aves   |     |
| 73  | . Widal test is for :   |                         |           |                              | -       |  |     |
|     | A) Malaria              | B) Typhoid              |           | C) Pneumonia                 | D)      | Jaundice   |     |
| 74  | . Which immunoglob      | ulin is present in mot  | ther's m  |                              | -       | THE PARTY OF THE P |     |
|     | A) IgA                  | B) IgD                  |           | C) IgG                       | D)      | ) IgE  |     |
| 75  | . Lake ecosystem is     |                         |           | Description and the second   | 100     |  |     |
|     | A) Artificial           | B) Natural              |           | C) Both (A) and (B)          | D       | ) None   |     |
|     |                         |                         |           |                              |         |  |     |

## GENERAL AWARENESS OF THE SUBJECT (Physiotherapy) 76. Name the group of muscles at the front of thigh? D) Pectorals A) Quadriceps B) Hamstrings C) Calf 77. The basic unit of contraction is? C) Z lines A) Myosin B) Actin D) Sarcomere 78. Which of the following is the property of a cardiac cell to initiate and fire an action potential on its own without external stimulation? A) Selectivity B) Spontaneity C) Automaticity D) Conductance 79. This is an explanation of how muscle contracts? A) Lock and key hypothesis B) Cell theory C) Mendels law D) Sliding filament theory 80. A cord or strap of dense tissues that connect a muscle to bone is called? C) Ligament D) Arthritis 81. Which of the following does not show rapid initial depolarization at the start of an action potential? B) Atrial muscle C) Purkinje fibres D) Bundle of His A) SA node 82. Which of the following pair is incorrect? A) Pwave-Atrial depolarization B) QRS complex- Ventricular depolarization C) T wave- Ventricular repolarization D) QT interval- Measure of duration of atrial action potential 83. Which of the following blood vessel has greatest compliance? D) Capillaries A) Arteries B) Veins C) Arterioles 84. Poliomyelitis is caused by viral infection in? B) Anterior horn cells A) Posterior horn cells D) Peripheral nerve C) Muscle 85. Identify the category of drug which act to relieve pain? D) Antidiuretic B) Antibiotic A) Analgesic C) Anticoagulant 86. You are likely to see a physiotherapist to recover from? A) Depression B) Illness D) Drug abuse 87. Proportion of inorganic to organic matter in the bones is? A) 3:1 D) 4:1 88. Condylar joints are?

C) Multiaxial

A) Uniaxial

B) Biaxial

D) Symphysis

| A 'motor unit' is?  |   |   |   |  |   |   |  |  |  |
|---|---|---|---|--|---|---|--|--|--|
| A) Spinal segment with all the muscles it supplies                                  |   |   |   |  |   |   |  |  |  |
| B) A gamma neuron   | with  | all the muscle spindles   | it in   | nervates   |   |   |  |  |  |
| C) An alpha motor no  | uron  | with all the muscle fil   | bers i  | tinnervates  |   |   |  |  |  |
| D) A nerve with all th  | e mi  | scles it innervates   |   |  |   |   |  |  |  |
| The deficiency of Vita  | min   | B 1 leads to?   |   |  |   |   |  |  |  |
| A) Scurvy   | B)  | Beri-beri   | C)  | Pellagra   | D)  | Night blindness   |  |  |  |
| Number of spinal nerv   | es in   | cervical region is?   |   |  |   |   |  |  |  |
| A) 7  | B)  | 8   | C)  | 6  | D)  | 9   |  |  |  |
| One of the following lymphoid tissues has both afferent and efferent lymphatics?    |   |   |   |  |   |   |  |  |  |
| A) Thymus   | B)  | Spleen  | C)  | Tonsil   | D)  | Lymph node  |  |  |  |
| Ruffini endings are sensitive to?   |   |   |   |  |   |   |  |  |  |
| A) Heat   | B)  | Deep pressure   | C)  | Cold   | D)  | Pain  |  |  |  |
| Which of the following cells produce antibiotics?                                   |   |   |   |  |   |   |  |  |  |
| A) Plasma cells   | B)  | Adipocytes  | C)  | Macrophages  | D)  | Mast cells  |  |  |  |
| Which of the following ligament is chiefly elastic in nature?                       |   |   |   |  |   |   |  |  |  |
| A) Ligamentumflava  | B)  | Ligamentum patellae   | C)  | Capsular ligament  | D)  | Deltoid ligament  |  |  |  |
| The chest X-ray is mostly taken on?   |   |   |   |  |   |   |  |  |  |
| A) AP view  | B)  | Oblique view  | C)  | Lateral view   | D)  | PA view   |  |  |  |
| Undue stretching and tearing of the fibers of a ligament due to injury is known as? |   |   |   |  |   |   |  |  |  |
| A) Sprain   | B)  | Fracture  | C)  | Strain   | D)  | Dislocation   |  |  |  |
| What is a common skiing/snowboarding injury?  |   |   |   |  |   |   |  |  |  |
| A) Knee ligament inju   | ary   | B)  | Tenr  | nis elbow  |   |   |  |  |  |
| C) Frozen shoulder D) Carpal tunnel syndrome  |   |   |   |  |   |   |  |  |  |
| Patients with which type of conditions are treated by physiotherapists?             |   |   |   |  |   |   |  |  |  |
| A) Sports injuries  | B)  | Back pain   | C)  | Arthritis  | D)  | All of the above  |  |  |  |
| Which one of the follo  | Which one of the following produces most radiopaque shadow on X-ray film?   |   |   |  |   |   |  |  |  |
| A) Enamel of tooth  | m   | Muscle  | C   | Bone   | D)  | Gas   |  |  |  |
|   | A) Spinal segment with B) A gamma neuron of C) An alpha motor not D) A nerve with all the The deficiency of Vita A) Scurvy Number of spinal nerve A) 7 One of the following I A) Thymus Ruffini endings are served. A) Heat Which of the following A) Heat Which of the following A) Ligamentum flava The chest X-ray is moderally and A) AP view Undue stretching and A) Sprain What is a common ske A) Knee ligament injured. Frozen shoulder Patients with which ty A) Sports injuries Which one of the following A) Sports injuries | A) Spinal segment with all B) A gamma neuron with C) An alpha motor neuron D) A nerve with all the muther deficiency of Vitamin A) Scurvy B) Number of spinal nerves in A) 7 B) One of the following lympt A) Thymus B) Ruffini endings are sensitiv A) Heat B) Which of the following cel A) Plasma cells B) Which of the following ligat A) Ligamentumflava B) The chest X-ray is mostly A) AP view B) Undue stretching and tearin A) Sprain B) What is a common skiing/s A) Knee ligament injury C) Frozen shoulder Patients with which type of A) Sports injuries B) Which one of the following | A) Spinal segment with all the muscles it supplies B) A gamma neuron with all the muscle spindles C) An alpha motor neuron with all the muscle file D) A nerve with all the muscles it innervates The deficiency of Vitamin B 1 leads to? A) Scurvy B) Beri-beri Number of spinal nerves in cervical region is? 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A) Knee ligament injury B) Tenn C) Frozen shoulder D) Carp Patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients with which type of conditions are treated by patients. | A) Spinal segment with all the muscles it supplies B) A gamma neuron with all the muscle spindles it innervates C) An alpha motor neuron with all the muscle fibers it innervates D) A nerve with all the muscles it innervates The deficiency of Vitamin B 1 leads to? 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A) AP view B) Oblique view C) Lateral view D) Undue stretching and tearing of the fibers of a ligament due to injury is known as: A) Sprain B) Fracture C) Strain D) What is a common skiing/snowboarding injury? A) Knee ligament injury B) Tennis elbow C) Frozen shoulder D) Carpal tunnel syndrome Patients with which type of conditions are treated by physiotherapists? A) Sports injuries B) Back pain C) Arthritis D) Which one of the following produces most radiopaque shadow on X-ray film? |  |  |  |