## 203/2015

| 1. | Pans  | permia is related                       | with    | :                      |        |         |                        |        |                                 |
|----|---|---|---------|------------------------|--------|---------|------------------------|--------|---------------------------------|
|    | (A)   | (A) Life originates from outer space    |         |                        |        |         |                        |        |                                 |
|    | (B) Mode of sperm movement                    |   |         |                        |        |         |                        |        |                                 |
|    | (C) Theory on the evolution of gymnosperms    |   |         |                        |        |         |                        |        |                                 |
|    | (D)   | An epidemic                             |         |                        |        |         |                        |        |                                 |
| 2. | Of th   | ne following disea                      | ises, v | which is not co        | ausė   | d by    | water pollution        | ?      |                                 |
|    | (A)   | Malaria                                 | (B)     | Dysentery              |        | (C)     | Typhoid                | (D)    | Jaundice                        |
| 3. |   | permissible level<br>ity standards is : | of Oz   | one in the atm         | ospl   | nere o  | of rural areas as      | per Na | tional Ambient Air              |
|    | (A)   | $200 \mu g/m^3$                         | (B)     | 60 μg/m <sup>3</sup>   |        | (C)     | 100 μg/m <sup>3</sup>  | (D)    | 20 μg/m <sup>3</sup>            |
| 4. | are p   | produced?                               |         |                        |        |         |                        |        | litres of O <sub>2</sub> at STP |
|    | (A)   | 14.02 L O <sub>2</sub>                  | (B)     | 50.9 L O <sub>2</sub>  |        | (C)     | 66.12 L O <sub>2</sub> | (D)    | 26.44 L O <sub>2</sub>          |
| 5. | More  | e prominent and                         | destr   | uctive natural         | disa   | ister i | n Kerala :             |        |                                 |
|    | (A)   | Earthquake                              | (B)     | Landslide              |        | (C)     | Flood                  | (D)    | Lightning                       |
| 6. |   | oer EPA 1986, the<br>inland surface wa  |         |                        | f BO   | D (3    | day 27°C) in the       | efflue | nts discharged into             |
|    | (A)   | 100 mgO <sub>2</sub> /1                 | (B)     | 40 mgO <sub>2</sub> /1 |        | (C)     | 10 mgO <sub>2</sub> /I | (D)    | 30 mgO <sub>2</sub> /1          |
| 7. | Who is known as the Patron Saint of Ecology ? |   |         |                        |        |         |                        |        |                                 |
|    | (A)   | St. Francis of As                       | ssissi  |                        | (B)    | St. V   | /incent de Paul        |        |                                 |
|    | (C)   | St. Francis Sales                       | 5       | 9                      | (D)    | St. 1   | Marcellinus            |        |                                 |
| 8. | Of t  | he following, wh                        | ich or  | ne is not a cate       | egor   | уВр     | roject as per EIA      | Notif  | ication 2006 :                  |
|    | (A)   | Ports having <                          | 5 mil   | lion TPA of ca         | urgo   | hand    | ling capacity          |        |                                 |
|    | (B)   | Thermal power                           |         |                        |        |         |                        |        |                                 |
|    | (C)   | Sugar industry                          |         |                        |        |         |                        |        |                                 |
|    | (D)   | Mining project                          | ≥ 50    | ha. of mining          | g leas | se are  | ea                     |        |                                 |
|    |   |   |         |                        |        |         |                        |        |                                 |

| 9.  | Which  | h of the fol   | lowing is   | act as natura | al sour | ces of meth           | ane?    |             |         |           |    |
|-----|--|--|-------------|---------------|---------|-----------------------|---------|-------------|---------|-----------|----|
|     | (i)  | Buffallo   | (ii) Bio    | ogas plants   | (iii)   | Wetlands              | (iv)    | Oceans      | (v)     | landfills |    |
|     | Choo   | se the corre   | ect code :  |               |         |                       |         |             |         |           |    |
|     | (A)  | All are cor  | rect        |               | (B)     | (i), (ii), (iii       | ) are o | correct     |         |           |    |
|     | (C)  | (i), (ii), (iii)   | and (iv)    | are correct   | (D)     | (i), (iii) and        | d (iv)  | are correct |         |           |    |
|     |  |  |             |               |         |                       |         |             |         |           |    |
| 10. | What   | volume of  | 12 m HC     | l is required | to pre  | pare 750 ml           | L of 3  | m HCl solu  | ition ? |           |    |
|     | (A)  | 450 mL   | (B)         | ) 190 mL      |         | (C) 260               | mL      | (D)         | 440     | mL        |    |
| 11. | The n  | nembers of   | BTEX gr     | oup are :     |         |                       |         |             |         |           |    |
|     | (A) Bromide, Thalium, Ethylbenzene and Xenon |  |             |               |         |                       |         |             |         |           |    |
|     | (B)  | Benzene, T   | oluene, I   | Ethylbenzene  | and X   | lylene                |         |             |         |           |    |
|     | (C)  | Benzene, T   | horium,     | Ethylacetate  | and X   | ylene                 |         |             |         |           |    |
|     | (D)  | Benzene, T   | Toluene, I  | Ethylchloride | , Xeno  | n                     |         |             |         |           |    |
| 12. | Phyco  | oremediatio  | on is the p | process of :  |         |                       |         |             |         |           |    |
|     | (A)  | (A) Waste water treatment using emergent plants  |             |               |         |                       |         |             |         |           |    |
|     | (B)  | Waste wat  | er treatm   | ent using al  | gae     |                       |         |             |         |           |    |
|     | (C)  | Waste wat  | er treatm   | ent using Gl  | M bact  | eria                  |         |             |         |           |    |
|     | (D)  | Waste wat  | er treatm   | ent using fu  | ngus    |                       |         |             |         |           |    |
| 13. | China  | a clay zone  | in Kerala   | a is:         |         |                       |         |             |         |           |    |
|     | (A)  | between A  | duva and    | l Chavakkad   |         |                       |         |             |         |           |    |
|     | (B) between Aluva and Munnar                 |  |             |               |         |                       |         |             |         |           |    |
|     | (C)  | And the state of t |             |               |         |                       |         |             |         |           |    |
|     | (D)  |  |             |               |         |                       |         |             |         |           |    |
| 14. |  | maximum<br>elines :  | limit of    | noise in th   | e com   | mercial ar            | ea du   | ring day t  | ime a   | s per CPC | ΞВ |
|     | -  |  | Leq (B      | ) 75 dB (A)   | Leq     | (C) 65 d              | B (A)   | Leq (D)     | 80 d    | B (A) Leq |    |
| 15. | The t  | otal mass c  | of water o  | on planet ear | th is : |                       |         |             |         |           |    |
|     | (A)  | $1.5 \times 10^{18}$   | tonnes      |               | (B)     | $2.2 \times 10^{13}$  | tonne   | s           |         |           |    |
|     | (C)  | $1.2 \times 10^{7}$ to   | onnes       |               | (D)     | 24.2×10 <sup>18</sup> | 8 tonr  | ies         |         |           |    |
|     |  |  |             |               |         |                       |         |             |         |           |    |

| 16. | Gaia                             | hypothesis prop  | osed b           | y :                       |                   |        |                           |          |                    |    |
|-----|----------------------------------|--|------------------|---------------------------|-------------------|--------|---------------------------|----------|--------------------|----|
|     | (A)                              | James Lovelock   |                  |                           | (B)               | Chai   | rles Darwin               |          |                    |    |
|     | (C)                              | Stephen Hawki  | ng               |                           | (D)               | Alex   | ander Von Hu              | mboldt   |                    |    |
| 17. | App                              | iko movement le  | d by :           |                           |                   |        |                           |          |                    |    |
|     | (A)                              | Panduranga He  | egde             |                           | (B)               | Sund   | derlal Bahugur            | าล       |                    |    |
|     | (C)                              | Chandi Prasad  | Bhatt            |                           | (D)               | Med    | ha Patkar                 |          |                    |    |
| 18. | Expa                             | ansion of OTEC :   |                  |                           |                   |        |                           |          |                    |    |
|     | (A)                              |  |                  |                           |                   |        |                           |          |                    |    |
|     | (B)                              | (B) Oil and Thermal Energy Coefficient   |                  |                           |                   |        |                           |          |                    |    |
|     | (C)                              | Oceanic Tidal I  |                  |                           |                   |        |                           |          |                    |    |
|     | (D)                              | Ocean Thermal  | Energ            | y Conversi                | ion               |        |                           |          |                    |    |
| 19. | Biop                             | plastic is :   |                  |                           |                   |        |                           |          |                    |    |
|     | (A)                              | Polyurethanes  |                  |                           | (B)               | - 3    | styrene                   |          |                    |    |
|     | (C)                              | Polyvinyl chlor  | ide              |                           | (D)               | Poly   | lactic acid               |          |                    |    |
| 20. | Bioluminescence is related with: |  |                  |                           |                   |        |                           |          |                    |    |
|     | (A)                              | Kelp   |                  |                           | (B)               |        | noflagellates             |          |                    |    |
|     | (C)                              | Monitor lizard   |                  |                           | (D)               | Ach    | atina fulica              |          |                    |    |
| 21. | DDT                              | Γ is a :   |                  |                           |                   |        |                           |          | Unit of State Land |    |
|     | (A)                              | Weedicide  | (B)              | Insecticid                | e                 | (C)    | Herbicide                 | (D)      | Fungicide          |    |
| 22. | Nan                              | ne the chemical t  | hat cor          | ntributes to              | photo             | ochem  | ical smog :               |          |                    |    |
|     | (A)                              | NO <sub>3</sub>  | (B)              | $NO_2$                    |                   | (C)    | SO <sub>2</sub>           | (D)      | SO <sub>3</sub>    |    |
| 23. |                                  | per CPCB standa  |                  |                           |                   |        |                           |          |                    |    |
|     | (A)                              | Total Coliforms<br>Oxygen 4 mg/l   | s (MPN<br>for mo | N/100 ml) :<br>ore and BO | shall b<br>D 10 r | ng/1 o | or less; pH be<br>or less | tween 6. | 5 and 8; Dissolv   | ec |
|     | (B)                              | (B) Total Coliforms (MPN/100 ml) shall be 200 or less; pH between 4 and 8; Dissolved<br>Oxygen 5 mg/l or more and BOD 20 mg/l or less  |                  |                           |                   |        |                           |          |                    |    |
|     | (C)                              | (C) Total Coliforms (MPN/100 ml) shall be 500 or less; pH between 6.5 and 8.5; Dissolved<br>Oxygen 5 mg/l or more and BOD mg/l or less |                  |                           |                   |        |                           |          |                    |    |
|     | (D)                              | Total Coliform<br>Oxygen 3 mg/   |                  |                           |                   |        |                           | etween   | 4 and 8; Dissolv   | e  |

203/2015 {P.T.O.}

| 24. | The minimum stack height of Biomedical Incinerators should be : |  |  |                           |          |                   |  |  |  |
|-----|---|--|--|---------------------------|----------|-------------------|--|--|--|
|     | (A)   | 100 m above ground                                 | (B)  | 15 m above grou           | ind      |                   |  |  |  |
|     | (C)   | 30 m above ground                                  | (D)  | 50 m above groui          | nd       |                   |  |  |  |
| 25. | In Ir   | ndia, the Ecomarking so                            | cheme started in   |                           |          |                   |  |  |  |
|     | (A)   | 2001 (B)   | 1986   | (C) 2002                  | (D)      | 1991              |  |  |  |
| 26. |   | ong the following, whosions.                       | nich standard pr   | ovides the manag          | ement of | Green House gas   |  |  |  |
|     | (A)   | ISO 14063 (B)                                      | ISO 14062  | (C) ISO 14001             | (D)      | ISO 14064         |  |  |  |
| 27. | As p  | er Wild Life Protection                            | Act, King Cobra  | belongs to the cate       | egory :  |                   |  |  |  |
|     | (A)   | Schedule III (B)                                   | Schedule I   | (C) Schedule IV           | (D)      | Schedule II       |  |  |  |
| 28. | Who   | was the first scientist                            | who discovered t   | he 'Green House E         | ffect' ? |                   |  |  |  |
|     | (A)   | Joseph Fourier (B)                                 | Neils Bohr   | (C) Marie Curie           | e (D)    | James Hansen      |  |  |  |
| 29. | The   | Ayers Rock (Uluru) in                              | Australia is an ex   | kample of :               |          |                   |  |  |  |
|     | (A)   | Igneous rock                                       | (B)  | Sedimentary rock          |          |                   |  |  |  |
|     | (C)   | Metamorphic rock                                   | (D)  | Remnants of Met           | eorite   |                   |  |  |  |
| 30. | Pero  | xyacetyl Nitrates (PAN                             | ) are formed by  | the reaction of :         |          |                   |  |  |  |
|     | (A)   | N <sub>2</sub> with CO                             | (B)  | N <sub>2</sub> with VOCs  |          |                   |  |  |  |
|     | (C)   | NO <sub>2</sub> with VOCs                          | (D)  | NO <sub>2</sub> with CFCs |          |                   |  |  |  |
| 31. | Geys  | sers are :   |  |                           |          |                   |  |  |  |
|     | (A) The hotwater springs  |  |  |                           |          |                   |  |  |  |
|     | (B)   | The jet of boiling wat                             | er and steam tha   | t erupt from earth        |          |                   |  |  |  |
|     | (C)   | Artificial hot water pe                            | onds of temperat   | e regions                 |          |                   |  |  |  |
|     | (D)   | The natural ponds wh                               | here cold water a  | nd hot water mixes        | S        |                   |  |  |  |
| 32. | The   | albedo of charcoal is :                            |  |                           |          |                   |  |  |  |
|     | (A)   | 0.9 (B)  | 0.04   | (C) 0.52                  | (D)      | 0.66              |  |  |  |
| 33. |   | Legal provision is to p<br>It of handling any haza |  |                           | accident | which occurs as a |  |  |  |
|     | (A)   | E waste (Managemen                                 | t and Handling)  | Rules, 2011               |          |                   |  |  |  |
|     | (B)   | Environment Protecti                               | on Act, 1986   |                           |          |                   |  |  |  |
|     | (C)   | Hazardous Waste (M                                 | A STATE OF THE PARTY OF THE PAR | ling, Trans bounda        | ry movem | ents) Rules, 2008 |  |  |  |
|     | (D)   | Public Liability Insura                            | ance Act, 1991   |                           |          |                   |  |  |  |
|     |   |  |  |                           |          |                   |  |  |  |

203/2015

| 34. | A solid material obtained from thermoche environment is : | mical conversion of biomass in an oxygen limited |
|-----|---|--|
|     | (A) Charcoal (B) Activated Ca                             | rbon (C) Biochar (D) Pyruvate                    |
| 35. | International day for Biodiversity is on :                |  |
|     | (A) May 22 (B) April 21                                   | (C) March 22 (D) June 5                          |
| 36. | Plumbism is due to the toxicity of:                       |  |
|     | (A) Cadmium (Cd) (B) Lead (Pb)                            | (C) Copper (Cu) (D) Nitrate                      |
| 37. | Liana is :  |  |
|     | (A) Woody vines (B  | An invasive insect                               |
|     | (C) An epidemic of West Africa (D                         | ) Genetically modified potato                    |
| 38. | Enthalpy of an exothermic reaction is:                    |  |
|     | (A) Always negative (B                                    | ) Always zero                                    |
|     | (C) Always positive (D                                    | Either positive or negative                      |
| 39. | Pedogenesis is :  |  |
|     | (A) the formation of potholes                             |  |
|     | (B) study on the formation and science of                 |  |
|     | (C) the science and study on the formati                  |  |
|     | (D) scientific study on the genetic variat                | ion among newborn babies                         |
| 40. | The instrument used for the detection of fl               | uoride in water is :                             |
|     | (A) Spectroradiometer (B                                  | ) Flourimeter                                    |
|     | (C) Spectrophotometer (D                                  | ) Flame photometer                               |
| 41. | The following is not a low cloud:                         |  |
|     | (A) Stratocumulus (B) Cirrocumulus                        | (C) Cumulonimbus (D) Stratus                     |
| 42. | The instrument used for the detection of p                | esticides is :                                   |
|     | (A) AAS (B) PCR   | (C) GC-MS (D) ICPMS                              |
| 43. | Among the following, one is not a phytore                 | emediation process :                             |
|     | (A) Phytoextraction (B                                    |  |
|     | (C) Phytovolatilization (I                                |  |
|     |   |  |

| 44.  | Energy intensity is measured by the :                        |   |                  |        |                   |       |                    |  |  |
|------|--|---|------------------|--------|-------------------|-------|--------------------|--|--|
|      | (A)  | quantity of energy requi                                | ired per unit ou | itput  | or activity       |       |                    |  |  |
|      | (B)  | quantity of energy used                                 | by the activity  |        |                   |       |                    |  |  |
|      | (C)  | (C) quantity of energy produced by an action            |                  |        |                   |       |                    |  |  |
|      | (D) quantity of energy used by unit volume of mass           |   |                  |        |                   |       |                    |  |  |
| 45.  | The role of nebuliser in Atomic Absorption Spectroscopy is : |   |                  |        |                   |       |                    |  |  |
|      | (A)  | Converts the liquid sam                                 | ple into small b | ubble  | es                |       |                    |  |  |
|      | (B) Heat and push the sample to the detector                 |   |                  |        |                   |       |                    |  |  |
|      | (C)  |   |                  |        |                   |       |                    |  |  |
|      | (D)  | Homogenizing the solut                                  | tes              |        |                   |       |                    |  |  |
| 46.  | An e   | example of neuston is :                                 |                  |        |                   |       |                    |  |  |
|      | (A)  | fish (B) chirono  | omous larvae     | (C)    | water strider     | (D)   | copepod            |  |  |
| 47.  | The  | instrument which records                                | s the vibration  | of ear | th:               |       |                    |  |  |
|      | (A)  | Seismogram (B) C  | Clinometer       | (C)    | Seismometer       | (D)   | Richter scale      |  |  |
| 48.  | The  | point in the earth where                                | the seismic way  | es or  | iginate :         |       |                    |  |  |
|      | (A)  | Seismic area (B) I                                      | lypocentre       | (C)    | Epicentre         | (D)   | Fault              |  |  |
| 49.  |  | set of biotic and abiotic<br>le population sizes is kno |                  | vhich  | a species is able | to pe | rsist and maintair |  |  |
|      | (A)  | Ecological niche (                                      | B) Habitat       | (C)    | Community         | (D)   | Ecotone            |  |  |
| 50.  | In oceans, down welling occurs in the areas of :             |   |                  |        |                   |       |                    |  |  |
|      | (A)  | High current and salinit                                | ty (B)           | Surf   | ace convergence   |       |                    |  |  |
|      | (C)  | High offshore winds                                     | (D)              | Surf   | ace divergence    |       |                    |  |  |
| 51.  | The following is not an application of HPLC:                 |   |                  |        |                   |       |                    |  |  |
|      | (A)  | Detection of vitamin D l                                | levels in urine  |        |                   |       |                    |  |  |
|      | (B)  | Estimation of bioethano                                 | l production     |        |                   |       |                    |  |  |
|      | (C)  | Detection of heavy meta                                 | als              |        |                   |       |                    |  |  |
|      | (D)  | Drug detection in water                                 | samples          |        |                   |       |                    |  |  |
| 52.  | Thir   | d generation biofuels are                               | derived from :   |        |                   |       |                    |  |  |
|      | (A)  | Pongamia (B) J  | atropha          | (C)    | Animal fat        | (D)   | Algae              |  |  |
| 203/ | 2015   |   | 8                |        |                   |       | A                  |  |  |

| 53. | In a  | green home, the tangible benefit of          | energ   | gy saving is :           |        |                     |  |  |  |
|-----|-------|--|---------|--------------------------|--------|---------------------|--|--|--|
|     | (A)   | 25 - 40% (B) 40 - 60%                        |         | (C) 10 - 20%             | (D)    | 20 - 30%            |  |  |  |
| 54. | As p  | er Greenpeace report, the toxic hot          | spot (  | of Kerala is :           |        |                     |  |  |  |
|     | (A)   | Brahmapuram Dumping Yard                     | (B)     | Laloor Waste dumpin      | g site |                     |  |  |  |
|     | (C)   | Eloor - Edayar Industrial Region             | (D)     | Mavoor Rayons            |        |                     |  |  |  |
| 55. | Selec | t the false statement on water prop          | perty   | 4                        |        |                     |  |  |  |
|     | (A)   | Increased salinity; increased dens           | ity     |                          |        |                     |  |  |  |
|     | (B)   | Increased temperature; increased             | salin   | ity                      |        |                     |  |  |  |
|     | (C)   | (C) High evaporation; high salinity          |         |                          |        |                     |  |  |  |
|     | (D)   | (D) Increased temperature; decreased density |         |                          |        |                     |  |  |  |
| 56. | The   | power flow of an organism per un             | it area | or of a trophic level is | :      |                     |  |  |  |
|     |       | Productivity                                 | (B)     | Biomass                  |        |                     |  |  |  |
|     | (C)   | Gross energy                                 | (D)     | Trophic dynamics         |        |                     |  |  |  |
| 57. | Nan   | ne the National Park in Kerala estab         | lished  | I mainly for the conserv | ation  | of Nilgiri Marten : |  |  |  |
|     | (A)   | Anamudi Shola NP                             | (B)     | Mathikettan Shola N      | Р      |                     |  |  |  |
|     | (C)   | Pampadum Shola NP                            | (D)     | Eravikulam NP            |        |                     |  |  |  |
| 58. | The   | three R's in environmental protect           | ion :   |                          |        |                     |  |  |  |
|     | (A)   | Reduce, Recycle and Remediate                |         |                          |        |                     |  |  |  |
|     | (B)   | Reproduce, Reduce and Recycle                |         |                          |        |                     |  |  |  |
|     | (C)   | Remediate, Reuse and Rejuvenat               | e       |                          |        |                     |  |  |  |
|     | (D)   | Reduce, Recycle and Reuse                    |         |                          |        |                     |  |  |  |
| 59. | Wh    | o inaugurated the Silent Valley Na           |         |                          |        |                     |  |  |  |
|     | (A)   | Rajiv Gandhi (B) Indira Ga                   | ndhi    | (C) Morarji Desai        | (D)    | K. Karunakaran      |  |  |  |
| 60. | The   | main gaseous pollutant in the coa            | stal a  | nd brackish water area   | s of K | lerala is :         |  |  |  |
|     | (A)   | Sulphur dioxide                              | (B)     | Carbon monoxide          |        |                     |  |  |  |
|     | (C)   | Hydrogen sulphide                            | (D)     | Carbon dioxide           |        |                     |  |  |  |
|     |       |  |         |                          |        |                     |  |  |  |

| 61. | The bioluminescence phenomenon at Alappuzha coast during July 2015 was due to : |                                      |          |                                      |   |  |  |  |  |
|-----|---|--------------------------------------|----------|--------------------------------------|---|--|--|--|--|
|     | (A)   | Chlorella vulgaris                   | (B)      | Noctiluca scintillans                |   |  |  |  |  |
|     | (C)   | Photobacterium phosphoreum           | (D)      | Mesocyclops                          |   |  |  |  |  |
| 62. | Ran   | nsar Convention is related with :    |          |                                      |   |  |  |  |  |
|     | (A)   | Wetlands                             | (B)      | Mountain ecosystems                  |   |  |  |  |  |
|     | (C)   | Marine pollution                     | (D)      | Radioactive waste                    |   |  |  |  |  |
| 63. |   | g Cobra belongs to the category :    |          |                                      |   |  |  |  |  |
|     | (A)   | Vulnerable (B) Endanger              | ed       | (C) Near threatened (D) Least concer | n |  |  |  |  |
| 64. | The   | specialised freshwater wetlands in   | the f    | orest of Kerala are known as :       |   |  |  |  |  |
|     | (A)   | Potholes                             | (B)      | Ecotone                              |   |  |  |  |  |
|     | (C)   | Reed valley                          | (D)      | Myristica swamps                     |   |  |  |  |  |
| 65. | Whi   | ch of the following is an example of | of in s  | situ conservation ?                  |   |  |  |  |  |
|     | (A)   | Seed bank                            | (B)      | Gene bank                            |   |  |  |  |  |
|     | (C)   | Wild life sanctuary                  | (D)      | Zoos                                 |   |  |  |  |  |
| 66. | Permanent Hardness of drinking water is due to the presence of :                |                                      |          |                                      |   |  |  |  |  |
|     | (A)   | Carbonates and bicarbonates          |          |                                      |   |  |  |  |  |
|     | (B)   | Nitrate ions                         |          |                                      |   |  |  |  |  |
|     | (C)   | Calcium and magnesium ions           |          |                                      |   |  |  |  |  |
|     | (D)   | Potassium and phosphate              |          |                                      |   |  |  |  |  |
| 67. | In w  | hich layer of the atmosphere, the    | aurora   | as (Northern lights) occur ?         |   |  |  |  |  |
|     | (A)   | Stratosphere (B) Thermosp            | here     | (C) Troposphere (D) Exosphere        |   |  |  |  |  |
| 68. | The   | dominant vegetation of Chinnar w     | rild lif | fe sanctuary is :                    |   |  |  |  |  |
|     | (A)   | Southern moist deciduous forest      |          |                                      |   |  |  |  |  |
|     | (B)   | Southern wet evergreen forest        |          |                                      |   |  |  |  |  |
|     | (C)   | Southern tropical dry deciduous      | forest   |                                      |   |  |  |  |  |
|     | (D)   | Southern tropical thorn forest       |          |                                      |   |  |  |  |  |
|     |   |                                      |          |                                      |   |  |  |  |  |

| 69. | Bhopal gas tragedy was due to:  |
|-----|---|
|     | (A) Sulphur dioxide (B) Carbon monoxide   |
|     | (C) Methyl cyanide (D) Methyl isocyanate  |
| 70. | Which one of the following is the 'east flowing' river in Kerala ?                                |
|     | (A) Bhavani (B) Periyar (C) Chalakkudy (D) Kallada  |
| 71. | The wind system in the tropical regions are known as :  |
|     | (A) Cyclones (B) Trade winds (C) Westerlies (D) Hurricanes  |
| 72. | The main cause of lung diseases is :  |
|     | (A) Carbon dioxide (B) Ozone (C) Nitrous oxide (D) RSPM   |
| 73. | Select the false statement :  |
|     | (A) Rainwater contains pollens (B) Rainwater contains dust  |
|     | (C) Rainwater is acidic in nature (D) Rainwater contains essential minerals                       |
| 74. | Select the false statement :  |
|     | (A) The organic matter in the soil increases the Cation Exchange Capacity (CEC)                   |
|     | (B) If a soil have higher CEC, it is highly fertile   |
|     | (C) If a soil have higher CEC, it is less fertile   |
|     | (D) CEC is measured in milliequivalents per 100 grams of soil                                     |
| 75. | The primitive and last remaining hunter and gatherer tribal community of Kerala is :              |
|     | (A) Mala Araya (B) Kuruma (C) Kurichiar (D) Cholanaikkans   |
| 76. | The first National Park in India :  |
|     | (A) Jim Corbett NP (B) Silent Valley NP (C) Kaziranga NP (D) Bandipur NP                          |
| 77. | Following is an example of Zoonotic epidemic:   |
|     | (A) SARS (B) Malaria  |
|     | (C) Japanese encephalitis (D) Jaundice  |
| 78. | In a waste water, the $BOD_5/COD_{cr}$ ratio is > 0.6, which treatment is fairly cost effective : |
|     | (A) Addition of alum (B) Trickling filters  |
|     | (C) Phytoremediation (D) Oxidation ponds  |

A

| 79. | . Modified Jacob and Hochheiser method is used for the measurement of : |   |            |  |  |
|-----|---|---|------------|--|--|
|     | (A)   | Sulphur dioxide in air                          | (B)        | Nitrate in water   |  |
|     | (C)   | Phosphate in water                              | (D)        | Nitrogen dioxide in air                                  |  |
| 80. | The   | Chairman of WGEEP is:                           |            |  |  |
|     | (A)   | Madhav Gadgil                                   | (B)        | Kasturirangan  |  |
|     | (C)   | V. S. Vijayan                                   | (D)        | Ommen V. Ommen   |  |
| 81. | An e  | eminent Social Reformer of Kerala               | know       | rn as Vidyadhiraja :                                     |  |
|     | (A)   | Sree Narayana Guru                              | (B)        | Chattambi Swamikal                                       |  |
|     | (C)   | Vaghbadanandan                                  | (D)        | Vakkam Abdul Khadar Maulavi                              |  |
| 82. | The   | person who was known as "Bhara                  | t Kesa     | ri":   |  |
|     | (A)   | Bala Gangadhara Tilak                           | (B)        | Veluthampi Dalwa   |  |
|     | (C)   | Mannathu Padmanabhan                            | (D)        | Dr. Palpu  |  |
| 83. | Who   | was the volunteer captain of Gur                | ruvayı     | ur Satyagraha ?  |  |
|     | (A)   | E.M.S. Namboothiripad                           | (B)        | G.P. Pillai  |  |
|     | (C)   | E.K. Nayanar                                    | (D)        | A.K. Gopalan   |  |
| 84. | Whi   | ch one was considered the mouth                 | piece      | of Abstention Movement ?                                 |  |
|     | (A)   | Al Ameen  | (B)        | Kerala Kesari  |  |
|     | (C)   | Swedeshabhimani .                               | (D)        | Malayala Manorama  |  |
| 85. | Unn   | Namboothiri is the publication of :             |            |  |  |
|     | (A)<br>(C)  | Nayar Service Society<br>Sadu Paripalana Sangam | (B)<br>(D) | Sreenarayana Dharma Paripalana Yogam<br>Yogakshema Sabha |  |
| 86. | The   | Tonnala Patro Decalementian                     |            |  |  |
| 00. |   | Temple Entry Proclamation was or                |            | 12th N   |  |
|     | (A)   | 12th November 1936                              | (B)        | 12 <sup>th</sup> November 1932                           |  |
|     | (C)   | 12 <sup>th</sup> January 1950                   | (D)        | 1 <sup>st</sup> November 1951                            |  |
| 87. |   | slim Janavum Vidhyabyasavum" a n                |            |  |  |
|     | (A)   |   | (B)        | Dr. C.K. Kareem  |  |
|     | (C)   | Veliyamkode Umer Khasi                          | (D)        | Vakkam Abdul Khadar Maulavi                              |  |

|     |      |  |                   | *  |
|-----|------|--|-------------------|--|
| 88. | The  | founder of Famous Islamic Semir                            |                   |  |
|     | (A)  | Sayyid Alavi Thangal                                       | (B)               |  |
|     | (C)  | Komukutty Maulavi  | (D)               | Ali Musliyar   |
| 89. | Who  | made primary education compu                               | lsory i           | n Travancore ?   |
|     | (A)  | Colonel Manro  | (B)               | 1920 C. (1921-6) (2020 C. (1921-6))  |
|     | (C)  | Rani Guri Parvathi Bai                                     | (D)               | Rani Lakshmi Bai   |
| 90. | "Viv | ekodayam" a Magazine was publi                             | shed b            | y:   |
|     | (A)  | Sahodaran Ayyappan   | (B)               | Ayyankali  |
|     | (C)  | Kumaranasan  | (D)               | Swami Vivekananda  |
| 91. | Who  | bagged King Faisal Internationa                            | l Prize           | 2015 ?   |
|     | (A)  | Dr. Zakir A. Naik  | (B)               | Omar Mwannes Yaghi   |
|     | (C)  | Dr. Prafulla Kar   | (D)               | Prof. Jeffrey Ivan Gordon  |
| 92. |      | at does the term A.A.Y. denote, w<br>Government of India ? | hich is           | s the short form of a social scheme launched by  |
|     | (A)  | Antodaya Awas Yojana                                       | (B)               | Asian Awas Yojana  |
|     | (C)  | Antodaya Anna Yojana                                       | (D)               | Area Antodaya Yojana   |
| 93. | Nati | ional Youth Day was observed acr                           | oss Inc<br>y of w | dia on 12 <sup>th</sup> January 2015. The day was observed<br>hich famous Indian Philosopher ? |
|     |      | Rabindranath Tagore  |                   | Swami Vivekananda  |
|     | (C)  | Dayananda Saraswathi                                       | (D)               | Sarvepalli Radhakrishnan   |
| 94. | Who  | o won the Men's Singles Title of t                         | he Swi            | iss Open of Badminton on March 2015 ?  |
|     | (A)  |  | (B)               | Lu Kai   |
|     | (C)  | Kidambi Srikanth   | (D)               | Victor Alexson   |
| 95. |      | at was the theme of the World<br>March 2015 ?              | d Con             | sumers Rights Day which was observed on  |
|     | (A)  | Helping consumers choose heal                              | thy die           | ets  |
|     | (B)  | Consumer justice   |                   |  |
|     | (C)  | Every consumer has rights to he                            | ealthy            | diet   |
|     | (D)  | Our money, our rights                                      |                   |  |

| 96.  |     | ch Educational Instituti<br>imes Higher Education |                     | orld reputation ranking 2015 that was release |
|------|-----|---|---------------------|---|
|      | (A) | Harward University                                | (B)                 | Oxford University                             |
|      | (C) | Stanford University                               | (D)                 | Massachusetts Institute of Technology         |
| 97.  | Whi | ch State Government la                            | unched Bhagyas      | hree Scheme for Girl Child on 2015 ?          |
|      | (A) | Uttar Pradesh (B)                                 | Maharashtra         | (C) Sikkim (D) Tripura                        |
| 98.  | Whi | ch Indian ecologist wor                           | the Tyler Prize     | for Environment Achievement 2015 ?            |
|      | (A) | Madhav Gadgil                                     | (B)                 | Salim Ali                                     |
|      | (C) | Sukathakumari                                     | (D)                 | Kasturirangan                                 |
| 99.  | Who | bagged the best actres                            | s award of the N    | lational Film Awards announced on 2015 ?      |
|      | (A) | Priyanka Chopra                                   | (B)                 | Kareena Kapoor                                |
|      | (C) | Maduri Dixit                                      | (D)                 | Kangana Ranaut                                |
| 100. | Whi | ch Party of Israel won t                          | he Israeli election | ns 2015 ?                                     |
|      | (A) | Likud Party                                       | (B)                 | Joint Arab List Party                         |
|      | (C) | Zionist Union Party                               | (D)                 | Yesh Atid Party                               |
|      |     |   | -000                | ) =   |
|      |     |   |                     |   |