

Human Health and Disease

- Assertion (A):** Tobacco contain nicotine type of alkaloids.
Reason (R): Nicotine can be used as a raw material for preparation of nicotinic acid.

 - (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 - (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 - (3) (A) is true but (R) is false
 - (4) Both (A) and (R) are false
- Assertion (A):** Opium is derived from latex of unripe fruits of *Papaver somniferum*.
Reason (R): Opium addict loses weight, fertility and interest in work.

 - (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 - (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 - (3) (A) is true but (R) is false
 - (4) Both (A) and (R) are false
- Assertion (A):** HIV virus is retrovirus.
Reason (R): It can form viral DNA by reverse transcription.

 - (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 - (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 - (3) (A) is true but (R) is false
 - (4) Both (A) and (R) are false
- Assertion (A):** Asthma often occurs in allergic person on exposure to allergen.
Reason (R): Administration of antihistamine drugs to a person before exposure will prevent spasm.

 - (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 - (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 - (3) (A) is true but (R) is false
 - (4) Both (A) and (R) are false
- Assertion (A):** Cocaine has a potent stimulating action on central nervous system.
Reason (R): Excessive dosage of cocaine causes hallucinations.

 - (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 - (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 - (3) (A) is true but (R) is false
 - (4) Both (A) and (R) are false
- Assertion (A):** All the infectious diseases are fetal like AIDS, common cold etc.
Reason (R): Infectious diseases are not common.

 - (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 - (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 - (3) (A) is true but (R) is false
 - (4) Both (A) and (R) are false
- Assertion (A):** Cancer causes major causality among the non-infectious disease.
Reason (R): Now a days cancer is established along with infectious disease.

 - (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 - (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 - (3) (A) is true but (R) is false
 - (4) Both (A) and (R) are false
- Assertion (A):** A wide range of bacteria, viruses, fungi, protozoans, helminthes etc. could causes diseases in man. Such disease-causing organisms are called pathogens.
Reason (R): Pathogens have to adapt to life within the environment of the host.

 - (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 - (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 - (3) (A) is true but (R) is false
 - (4) Both (A) and (R) are false



9. **Assertion (A):** Sustained high fever (30° to 40°C), weakness, stomach pain, constipation, headache and loss of appetite are some of the common symptoms of typhoid fever.

Reason (R): Typhoid is caused by gram positive bacteria *Clostridium typhi*.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

10. **Assertion (A):** Mary Mallon nicknamed Typhoid Mary.

Reason (R): She was a typhoid carrier.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

11. **Assertion (A):** In severe causes of Pneumonia; the lips and finger nails may turn gray to bluish in colour.

Reason (R): In Pneumonia the alveoli get filled with fluid leading to severe problems in respiration.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

12. **Assertion (A):** *Haemophilus influenzae* causes pneumonia in human.

Reason (R): It's infection is more common in children.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

13. **Assertion (A):** Nasal congestion and discharge, sore throat, hoarseness, cough, headache, tiredness etc. are the usual symptoms of common cold.

Reason (R): Rhino virus infect the nose, and respiratory passage but not the lungs.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

14. **Assertion (A):** In common cold diseases, the droplets resulting from cough or sneezes of an infected person are either inhaled directly or transmitted through contaminated objects and cause infection in healthy person.

Reason (R): The disease is caused by Rhino viruses and the infections lasts for 48 hours.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

15. **Assertion (A):** In amoebic dysentery house flies act as mechanical carries and serve to transmit the parasite from faces of infected person to food and food products, there by contaminating them.

Reason (R): *Entamoeba histolytica* completes its life cycle in human and house flies.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

16. Assertion (A): Internal bleeding, muscular pain, fever, anaemia and blockage of the intestinal passage are the common symptoms of ascariasis.

Reason (R): The eggs of *Ascaris* are excreted along with the faeces of infected persons which contaminate soil, water plants etc and these are the source of infection of a healthy person.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

17. Assertion (A): *Microsporium*, *Trichophyton* and *Epidermophyton* are generally acquired from soil or by using towels, clothes or even the comb of infected individuals.

Reason (R): These fungi causes dry, scaly lesions on various parts of the body called ringworms.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

18. Assertion (A): In biopsy test for cancer, piece of the suspected tissue cut into thin sections is stained and examined under X-ray by a pathologist.

Reason (R): Use of X-ray is able to generate a 3-D image of the section of affected tissue.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

19. Assertion (A): Barbiturates, amphetamines etc. are normally used as medicines to help patients cope with mental illnesses.

Reason (R): Amphetamines are used as antisleep pills.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

20. Assertion (A): Balanced diet, personal hygiene and regular exercise are very important to maintain good health.

Reason (R): Yoga has been practiced to achieve physical & mental health.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

21. Assertion (A): Malignant malaria is caused by *Plasmodium vivax*.

Reason (R): Haemozoin is only produced in malaria caused by *P. vivax*.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

22. Assertion (A): A larger number of infectious diseases like polio, diphtheria, Pneumonia, and tetanus have been controlled to a large extent by the use of vaccines.

Reason (R): Vaccination helps in developing passive immunity from the disease.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

- 23. Assertion (A):** The T-lymphocytes produce an army of proteins in response of pathogens our blood to fight with them.
Reason (R): The B-Lymphocyte help the T-lymphocyte to produce antibody.
 (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 (3) (A) is true but (R) is false
 (4) Both (A) and (R) are false
- 24. Assertion (A):** A HIV/AIDs is not spread by mere touch or physical contact.
Reason (R): Skin surface having acidic medium.
 (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 (3) (A) is true but (R) is false
 (4) Both (A) and (R) are false
- 25. Assertion (A):** Several genes called cellular oncogenes (C-onc) or protooncogene have been identified in normal cells which when activated under certain conditions, could lead to oncogenic transformation of the cells.
Reason (R): Ionising radiations like X-rays and gamma rays, non-ionizing radiations like UV cause DNA damage leading to oncogenic transformation of the cells.
 (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 (3) (A) is true but (R) is false
 (4) Both (A) and (R) are false
- 26. Assertion (A):** Radiography, computed tomography and MRI are very useful to detect cancers of the internal organs.
Reason (R): X-ray is used in radiography & CT-scan while strong magnetic fields and non-ionizing radiation is used in MRI-technique.
 (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 (3) (A) is true but (R) is false
 (4) Both (A) and (R) are false
- 27. Assertion (A):** α -interferon is given to cancer patient which helps in destroying the tumour.
Reason (R): α -interferon is biological response modifiers, which activates the immune system and helps in destroying tumour.
 (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 (3) (A) is true but (R) is false
 (4) Both (A) and (R) are false
- 28. Assertion (A):** Drugs like barbiturates, amphetamines, benzodiazepine are normally used as medicines to help patients cope with mental illnesses like depression and insomnia.
Reason (R): These chemicals impairs their physical, physiological or Psychological functions.
 (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 (3) (A) is true but (R) is false
 (4) Both (A) and (R) are false
- 29. Assertion (A):** 'Good humor' hypothesis of health was disproved by William Harvey.
Reason (R): He demonstrated normal body temperature in blackbile persons.
 (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 (3) (A) is true but (R) is false
 (4) Both (A) and (R) are false
- 30. Assertion (A):** HIV/AIDS is not spread by mere touch or physical contact.
Reason (R): It spreads only through body fluids.
 (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
 (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
 (3) (A) is true but (R) is false
 (4) Both (A) and (R) are false

31. Assertion (A): AIDS is not a congenital disease.

Reason (R): During lifetime, individual acquires deficiency of immune system.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false

32. Assertion (A): It is imperative for physical and psychological well being, HIV/AIDS infected persons are not isolated from family and society.

Reason (R): AIDS spreads only through body fluids.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false

33. Assertion (A): "Don't die of ignorance" slogan has been rightly said for AIDS.

Reason (R): It spreads due to conscious behavior pattern and is not something that happen inadvertently.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false

34. Assertion (A): In MRI, strong magnetic field is used, so very useful to detect cancer.

Reason (R): CT scan uses X-rays to generate a 3D-image.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false

35. Assertion (A): C-onc are proto oncogenes.

Reason (R): These found in normal cells.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false

36. Assertion (A): Cancer cells show a property of contact inhibitions.

Reason (R): When these curve in contact with other cells, inhibits their uncontrolled growth.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false

37. Assertion (A): Principle of vaccination is based on the property of 'memory' of the immune system.

Reason (R): In vaccination, a preparation of antigenic protein of pathogens or inactivated/weakened pathogen are introduced into the body.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false

38. Assertion (A): Active immunity is slow.

Reason (R): It takes time to develop memory and its full effective response.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false

39. Assertion (A): Mother's milk is considered very essential for new born infants.

Reason (R): Colostrum has I_gA antibodies and nutrients.

(1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)

(2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)

(3) (A) is true but (R) is false

(4) Both (A) and (R) are false



40. Assertion (A): The exaggerated response of the immune system to certain antigens present in the environment is called allergy.

Reason (R): Allergy is due to release of chemicals like histamine and serotonin from the mast cells.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

41. Assertion (A): Spleen, lymph nodes, tonsils, Peyer's patches of small intestine and appendix are secondary lymphoid organs (S.L.O.)

Reason (R): SLO provided the sites for storing and interaction of lymphocytes with antigens.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

42. Assertion (A): MALT contributes about 50% of the lymphoid tissue in human body.

Reason (R): MALT is located within the lining of the major tracts like respiratory, digestive and urogenital.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

43. Assertion (A): Bone marrow is primary lymphoid organs.

Reason (R): All blood cells including lymphocytes are produced in bone marrow.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

44. Assertion (A): Curiosity, need for adventure and excitement, and experimentation constitute common causes, which motivates youngsters towards drug and alcohol use.

Reason (R): A child's natural curiosity motivates him/her to experiment.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

45. Assertion (A): Of late, stress from pressures to excel in academics or examination, has played a significant role in persuading the youngsters to try alcohol and drugs.

Reason (R): First use of drugs or alcohol may be out of curiosity or experimentation, but later the child starts using these to escape facing problems.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

46. Assertion (A): Tobacco contains nicotine alkaloid, which stimulates adrenal gland.

Reason (R): Adrenaline and nor-adrenaline both raise blood pressure and increase heart rate.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

47. Assertion (A): Smoking increases CO content in blood.

Reason (R): Smoking reduces concentration of haemoglobin oxygen.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

48. Assertion (A): Cocaine or coca alkaloid interferes the transport of dopamine.

Reason (R): Coca plant *Erythroxylum coca* is native to south America.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

49. Assertion (A): Morphine is useful in patients who have undergone surgery.

Reason (R): It is very effective sedative and painkiller.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

50. Assertion (A): Personal hygiene includes keeping the body clean.

Reason (R): Public hygiene includes proper disposal of waste and excreta.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

51. Assertion (A): Cell mediated immunity induces humoral immunity

Reason (R): T cells themselves do not secrete antibodies but help B cells to produce them

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

52. Assertion (A): Cocaine produces a sense of euphoria.

Reason (R): It interferes with the transport of the neurotransmitter dopamine

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

53. Assertion (A): Bone marrow and thymus gland are primary lymphoid organs

Reason (R): Bone marrow and thymus provide the sites for interaction of lymphocytes with the antigen, which proliferate to become effector cells.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

54. Assertion (A): AIDS patients suffer from infections due to Mycobacterium, viruses, fungi and even parasites like Toxoplasma.

Reason (R): AIDS causes progressive decrease in the number of helper T-lymphocytes.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false

55. Assertion (A): IgA provides immunity against inhaled and ingested pathogens

Reason (R): IgA is secretory antibody and it is present in the lining of respiratory and intestinal tract.

- (1) Both (A) & (R) are true and the (R) is the correct explanation of the (A)
- (2) Both (A) & (R) are true but the (R) is not the correct explanation of the (A)
- (3) (A) is true but (R) is false
- (4) Both (A) and (R) are false



Directions: In the following questions, a statement of assertion is followed by a statement of reason. Mark the correct choice as:

- (a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.
- (b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
- (c) If Assertion is true but Reason is false.
- (d) If both Assertion and Reason are false.

56. **Assertion:** According to big-bang hypothesis about 20 billion years ago universe was a big ball of only neutrons.

Reason : Movement of these particles is known to generate tremendous heat which caused explosion due to temperature and pressure changes.

57. **Assertion :** The primitive atmosphere was reducing once i.e., without oxygen.

Reason : In the primitive atmosphere, oxygen was involved in forming ozone.

58. **Assertion:** Organic compounds first evolved in earth required for origin of life were protein and nucleic acid.

Reason: All life forms were in water environment only.

59. **Assertion:** Earth is billions of years old.

Reason: This inference has been established by radioisotope dating methods.

60. **Assertion:** Analogous structures are different in appearance with same function.

Reason: Divergent evolution leads to analogy.

61. **Assertion:** Thorns and tendrils of Bougainvillea and cucurbita represent homology.

Reason: Homologous organs have similar functions but are different in their structural details and origin.

62. **Assertion :** Natural selection is the outcome of difference in survival and reproduction among individuals that show variation in one or more traits.

Reason : Adaptive forms of a given trait tend to become more common; less adaptive ones become less common or disappear.

63. **Assertion :** Ginkgo biloba is a living fossil.

Reason : Organism which have persisted and remain unchanged for the past several million years while their relatives disappeared.

64. **Assertion:** Whales and mammals share similarities in the pattern of bones of forelimbes.

Reason: These organisms developed along different directions due to adaptations to different needs.

65. **Assertion :** Human ancestors never used their tails and so the tail expressing gene has disappeared in them.

Reason : Lamarck's theory of evolution is popularly called theory of continuity of germ plasm.

66. **Assertion :** Java Ape-man, Peking man and Heidelberg man are the fossils of Homo erectus.

Reason : Homo erectus evolved from Homo habilis.

67. **Assertion:** Founder effect may lead to formation of new species.

Reason: Founders carry all the parental gene pool to a new location.

68. **Assertion :** The immediate ancestor of present day humans was Australopithecus.

Reason : The fossils of Australopithecus were discovered from Australia, and its cranial capacity was 1150-1300 cm³ which is very close to that of humans 1400-1450 cm³.



ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	2	2	1	3	2	4	3	2	3	1	1	2	1	2	3	2	2	4	2	2
Que.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Ans.	4	3	4	2	2	2	1	2	1	1	1	2	1	2	2	4	2	1	1	2
Que.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55					
Ans.	1	2	1	1	2	2	2	2	1	2	1	1	3	1	1					

56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.				
A	C	B	A	C	C	A	A	A	C	B	C	D				