

ACHARYA PATASHALA COLLEGE OF COMMERCE
N R Colony, Bangalore-560019
Affiliated to Bangalore City University
NAAC Re-accredited 'B' Grade
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SOLVED QUESTION PAPER
SCIENCE & SOCIETY
December 2019

Time Allowed: 3 Hours

Maximum Marks: 70

Part-A

Answer all the questions. Each question carries one mark

1. _____ is the 3rd generation Satellite Launched by ISRO in November 2019
 - a) Chandrayan –I
 - b) INSAR
 - c) Chandrayan-II
 - d) CartoSAT-3**
2. Soaps are _____
 - a) Sodium or potassium Salt of fatty acids**
 - b) Contains petroleum products only
 - c) They contain fatty acids only
 - d) None
3. Which of the following causes least pollution when burnt?
 - a) Petrol
 - b) Coal
 - c) Diesel
 - d) Natural Gas**
4. Which state in India ranks first in the installation of wind power?
 - a) Gujarat**
 - b) AP
 - c) Maharashtra
 - d) Tamil Nadu
5. _____ is regarded as father of Genetics
 - a) Mendel**
 - b) Bateson
 - c) Hugo de biers
 - d) Darwin
6. Which of this not a Bio-fuel?
 - a) Ethanol
 - b) Diesel
 - c) Methanol
 - d) All of the above**
7. Genetic improvements in which two crops form the basis of the Green Revolution?
 - a) Corn and Rice
 - b) Wheat and corn
 - b) Wheat and rice**
 - d) Wheat and Ragi
8. Ganita Sara Sangraha is written by
 - a) Arayabhata
 - b) Bhaskara
 - c) Mahaveera Acharya**
 - d) Nilakanta
9. Photovoltaic energy is the conversion of sunlight into
 - a) Chemical Energy
 - b) Biogas energy
 - c) Electricity**
 - d) Geothermal energy
10. The observed increase in the average temperature of the air near earth's surface and oceans in recent decades
 - a) Environment Change
 - b) **Global Warming**
 - c) Health Change
 - d) None of these
11. Expand NDDB
 - a) National Dairy Development Board**
 - b) New Dairy Development Board
 - c) National Daily Development Board
 - d) None
12. Internet works on:
 - a) Packet Switching**
 - b) circuit Switching
 - b) Both a and b
 - d) Main Switch

13. Graphite is used in nuclear plant as _____
 a) A fuel b) an electrode **c) Moderator** d) coolant
14. The only metal in liquid state is
 a) Iron b) Calcium c) Magnesium **d) Mercury**
15. To join the internet, the computer has to be connected to a
 a) Internet architecture board
 b) Internet Society
 c) **Internet Service provider**
 d) None
16. Birth place of renaissance is _____
 a) **Italy** b) America c) India d) Britian
17. "Origin of Species" written by
 a) Mendel b) Lanmark **c) Darwin** d) Copernicus
18. The process of hypothesis testing has
 a) **6 steps** b) 9 steps c) 8 steps d) 7 steps
19. The most energy efficient and environment safe source of light is
 a) CFL b) LCD **c) LED** d) LPG
20. The antibiotic Penicillin obtained from _____
 a) Staphylococcus c) Streptococcus
 b) Penicillium notatum **d) All of the above**
21. Father of Indian Surgery is ____
 a) Charaka **b) Sushrutha** c) Bhaskara d) None of the above
22. Expand DNA
 a) **Deoxyribonucleic acid** c) Deoxy nuclic acid
 b) De-ribo Nucleic acid d) None
23. _____ is said there is "electricity in lighting"
 a) **Micheal Faraday** c) Galileo
 b) Benjamin Franklin d) Copernicus
24. Nuclear fusion means:
 a) Splitting of large atom into one or more smaller ones
 b) **Fusion of 2 or more lighter atoms into larger ones**
 c) Both a and b
 d) None
25. Which of the following is not naturally occurring nuclear fuel?
 a) Uranium-238 b) Thorium-223 **c) Plutonium-239** d) None
26. Magnitude Scale for earthquake is _____
 a) **Richter** b) Cornell c) Meitner d) Heisenberg
27. The first Indian satellite launched through Indian made launch vehicle is the year 1980 is
 a) **Arayabhata** b) Bhaskara c) APPLE d) Rohini
28. The Microscopes which help to observe Nano materials are
 a) **Scanning tunnelling microscope**
 b) Atomic force microscope
 c) Electron microscope
 d) Both a and b
29. Transgenic plants are:
 a) Native

- b) Contain foreign genes in their cells
 c) **Are used to produce disease and pest resistance crops**
 d) Both b and c
30. _____ coined the term NANO Technology
 a) Richard Feynman **b) Norio Taniguchi** c) Richard Watson d) None
31. Who discovered human blood groups?
 a) James Watson **b) Land Steiner**
 b) Alexander Fleming d) Einstein
32. Which of the below is the non-renewable energy resources?
 a) Solar b) Hydro-electricity **c) coal** d) wind power
33. The nearest planet to sun is _____
 a) Mars b) Earth c) Moon **d) Mercury**
34. Chernobyl Nuclear accident occurred i early morning of:
 a) **26th April 1986** c) 26th June 1987
 b) 26th March 1986 d) 26th July 1987
35. Who released a special stamp fitted “White Revolution” in July 1968?
 a) Gandhi b) Nehru **c) Indira Gandhi** d) M S Swaminathan
36. C V Raman won Nobel Prize for
 a) **Physics** b) Chemistry c) Botnay d) zoology
37. The Iron Age:
 a) 4000-3000 BCE **c) 1000 to Present**
 b) 3000-1000 BCE d) None of these
38. Yukti Means
 a) **Skill** b) Strength c) Games d) None.
39. Each Computer connected to the internet must _____
 a) Be an IBM PC c) Be internet compatible
 b) **Have a unique IP address** d) have a modem connection
40. Heliocentric system given by _____
 a) **Nicolas Copernicus** b) Galileo c) Oldham d) Einstein

PART –B

Answer all questions. Each question carries 2 marks

41. Through wind mill motor generator _____ is converted into _____
a) **Wind energy into electricity** c) wind energy into chemical energy
b) Kinetic energy to electricity d) wind energy to kinetic energy
42. LASER is used in these areas:
a) Medicine and industry
b) Military and Law
c) Research and Laser Light show
d) All of the above
43. Match the correct pair:
- | <u>Disease</u> | | <u>Causes</u> | |
|-----------------|--|---------------------|--|
| a) Typhoid | | 1) Pneumococcus | |
| b) Tuberculosis | | 2) HIV | |
| c) AIDS | | 3) Mycobacterium | |
| d) Pneumonia | | 4) Salmonella Typhi | |
- | | | | |
|----------------|-------------|-------------|------------|
| a) a-4: | b-3: | c-2: | d-1 |
| b) a-3 | b-2 | c-4 | d-1 |
| c) a-2 | b-4 | c-1 | d-3 |
| d) a-1 | b-3 | c_4 | d-2 |
44. The first structure of DNA was determined in _____ by _____
a) **1953 by James Watson** b) 1953 by Land Steiner
c) 1953 by Darwin c) 1953 by Planck
45. HTML stands for
a) Hypertext Makeup Limited c) Hotmail Mark-up Limited
b) Hotmail Mark-up Language d) Hypertext Mark-up Language
46. One Nano is equal to _____ M.
a) 10-9m b) 9-10m c) 10-10m 9-9m
47. $E=mc^2$ is an equation to prove _____
a) Photoelectric effect b) Radioactivity
c) Brownian Motion **d) theory of relativity**
48. Rediscovery of rational civilization exemplified by_
a) Greece b) Rome **c) Both a and b** d) none
49. The word Science comes from _____ meaning _____
a) Latin Meaning Language c) Latin Meaning information
b) Greek meaning knowledge d) Latin Meaning Knowledge
50. which one is found only in males?
a) X Chromosomes b) Y Chromosomes c) xx Chromosomes **d) None**
51. PSLV means
a) Polar Satellite Landing Vehicle
b) **Polar Satellite Launch Vehicle**
c) Polar Satellite Load Vehicle
d) Polar Service Launch Vehicle

52. The Chemical used in manufacturing soaps which has high risk of causing cancer is:
a) Trethanolamine
b) PEG-6A and sodium PCA
c) Propyieneglycol
d) All of the above

53. Match the correct pair:

- | | |
|-----------------------------|---------------------|
| a) Indian Nuclear Programme | 1. M S Swaminathan |
| b) Green Revolution | 2. Vasant Gowarikar |
| c) Indian Monsoon Model | 3. Homi J Bhabha |
| d) White Revolution | 4. Kurien Varghese |

- | | | | |
|---------------|------------|------------|------------|
| a) a-2 | b-3 | c-4 | d-1 |
| b) a-1 | b-3 | c-4 | d-2 |
| c) a-4 | b-2 | c-1 | d-3 |
| d) a-3 | b-1 | c-2 | d-4 |

54. During white Revolution the Research institute of _____ developed vaccine called _____

- | | |
|-----------------------------|-------------------|
| a) Hyderabad -Raksha | b) Gujrat- Raksha |
| c) Hyderabad – Vaccine | d) Cow- Raksha |

55. Which is the first Nuclear Power Plant in India?

- a) Kudankulam Nuclear Power plant
b) **Tarapur Atomic Power Station**
c) Kaiga Nuclear Power Plant
d) Madras Atomic Power Station.

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Part-A

Answer all the questions. Each question carries one mark

1. The National Science Day is observed every year in India on
a) March 28 b) September 28 c) June 21 **d) February 28**
28th February is the birthday of C V Raman who won Nobel Prize for physics
2. The World Wide Web was developed by
a) Bill Gates b) Charles Babbage **c) Tim Berners-Lee** d) Blaise Pascal
3. Insomnia is a characteristic feature of
a) Schizophrenia **b) Depression** c) Epilepsy d) Psychosis
4. Which of the following is a non-renewable source of energy?
a) Solar b) wind **c) Coal** d) Biofuel
5. In Karnataka where Atomic Power Station is placed
a) Shivamogga b) Kaiga c) Hubli d) Dharwad
6. In which year ISRO launched MOM (Mars Orbit Mission) was successfully entered to the Mars Orbit?
a. 2012 b. 2010 **c. 2014** d. 2015
7. In feudalism Lords were called as _____
a) **Dukes and Earls** b) Baronus c) The King d) Lesser Lords
8. Which one is found only in males?
a. X chromosome
b. 2 X chromosome
c. O chromosome
d. **d. Y chromosome**
9. Which of the following causes the least pollution when burnt?
a. Petrol b. diesel **c. natural gas** d. coal
10. Moving from one website to another is called _____
a) Jumping **b) Surfing** c) Web Jump d) none of the above
11. The main constituent of CNG is _____
a. **Methane** b. Butane c. Ethane d. Propane
12. First manned landing on the Moon was done using
a. Apollo 9 b. Apollo 10 **c. Apollo 11** d. Apollo 12
13. Antibiotics
a. **Do not destroy viruses**
b. Should be taken preferably in the morning
c. Were known around the time of the First World War
d. Have no known side effects
14. The term ISP refers to
a. Internal Software Protocol
b. International Shareware Pool
c. **Internet Service Provider**
d. Interface Standard Protocol
15. Entomology is the study of
a. **Insects** b. Plants c. Entamoeba d. none of the above
16. The rings of Saturn were discovered by

- a. Kepler b. Ptolemy c. Copernicus **d. Galileo**
17. The Industrial Revolution began in
a. **England** b. USA c. India d. Germany
18. The ancient Babylonians found to use the soap around
a) 3800 BC b) 2800 BC c) 2500 BC **d)2400BC**
19. Moderators are used in the nuclear reactors to
a. **To accelerate the neutrons**
b. Slow down the neutrons
c. Produce neutrons
d. To absorb the neutrons
20. Who announced the introduction of National Food Security Act?
a. **Pranab Mukherjee** b. Manmohan Singh
c. P.Chidambaram d. Arun Jaitley
21. The National Bank for Agriculture and Rural Development (NABARD) was established in the year?
a. 1970 b. 1975 c. 1977 **d. 1982**
22. Where is the Central Rice Research Institute located?
a. Bengaluru **b. Cuttack** c. Kanpur d. Coimbatore
23. In science, an educated guess is called a/an
a. Question b. Conclusion **c. Hypothesis** d. Observation
24. Which of the following is a proof of the earth's Revolution around the sun?
a. Rising and setting of the Sun
b. Seasons
c. Parallax of stars
d. all the above
25. The Department of Science and Technology (DST) was established in India
a. **May 1971** b. June 1971 c. May 1981 d. June 1981
26. The process of repeated formation of species is called
a. Evolution b. Hybridization c. **Speciation** d. Mutation
27. The term Polymer is derived from
a. **Greek** b. Latin c. French d. English
28. What is the common environmental problem with the use of detergents?
a. Soil Erosion b. Global Warming
b. Eutrophication d. all of the above
29. Why is nuclear radiation dangerous?
a. It explodes one touched
b. It causes blindness
c. It can change your DNA
d. All the above
30. Nuclear reactors usually employ
a. Fusion **b. Fission** c. both a and b d. none
31. GPS means
a. Global Pointing System
b. Globe Positioning System
c. Global Positioning System
d. General Point in System
32. Penicillin is obtained from
a. Algae **b. Fungi** c. Bacteria d. Virus

33. Social science is the systematic study of
- The natural world
 - Models of reality
 - Human behavior and Society**
 - Experimentation
34. The first stage of industrial revolution
- Consumable goods production**
 - capital goods production
 - Standardisation
 - productivity
35. The theory that evolutionary change is slow and continuous is known as
- Punctuated equilibrium**
 - Geographic isolation
 - Speciation
 - Gradualism
36. Darwin's theory of evolution is based on the concept of
- Use and Disuse
 - Natural Selection**
 - Mutations
 - Hybridization
37. Which of the following is considered to be Bacteriostatic?
- Penicillin
 - Ciprofloxacin
 - Cefotaxime
 - d. Chloramphenicol**
38. The theory that evolutionary change is slow and continuous is known as
- Punctuated equilibrium**
 - Speciation
 - Geographical isolation
 - Gradualism
39. In which year Sir C V Raman won the Nobel Prize for Physics?
- 1920
 - 1922
 - 1938
 - d. 1930**
40. To whom we will call as a "Missile Man of India"?
- H J Bhabha
 - Vikram Sarabhai
 - c) A P J Kalam**
 - Sathyendra Bose

PART –B

Answer all questions. Each question carries 2 marks

41. The word "Agriculture" has been derived from
- German
 - b. Latin**
 - American
 - Arabic
42. which group of organisms is believed to be among the earliest to evolve on earth?
- Arthropods
 - b. Protozoans**
 - coelenterates
 - Reptiles
43. A Sheet of newspaper is about thick
- 100000 nanometres
 - 1000000 nanometres
 - c. 1 nanometres**
 - 10000 nanometres
44. Expand GSLV
- Geocircular Satellite Launch Vehicle
 - Geoelliptical Satellite Launch Vehicle
 - c. Geosynchronous Satellite Launch Vehicle**
 - Georbital Satellite Launch Vehicle
45. The decimal number system in use today was first recorded in

- a. **Indian Mathematics**
 - b. Roman Mathematics
 - c. Greek Mathematics
 - d. Latin Mathematics
46. TCP/IP is a
- a. Network Hardware
 - b. network Software
 - c. **Protocol**
 - d. None of the above
47. Which of the following definition for science has been coined by Carl Sagan?
- a. **Science is a way of Thinking much more than it is a body of knowledge**
 - b. Science is an intellectual activity carried out by humans
 - c. Science is a Knowledge covering general truth
 - d. Science is uncertain and subject to revision
48. What are the causes for low agricultural productivity in India?
- a. Social Environment
 - b. Pressure of population on land
 - c. lack of credit and marketing facilities
 - d. **All of the above**
49. The German Physicist/Scientist proved that the earth and other planets move round the sun not in a circle but in elliptical orbits was
- a. Tycho Brahe
 - b. Sir Isaac Newton
 - c. John Kepler
 - d. Galileo
50. Smart materials are those materials
- a. That responds to a change in their fossilized and hydrocarbon form
 - b. That responds to a change either in the temperature moisture and pH
 - c. That can be controlled by external factors such as mechanical stress etc.
 - d. **both b and c**
51. Hemochromatosis, sickle cell anaemia, down syndrome are examples of
- a. Diseases as a result of complications due to HIV
 - b. **Dysfunctional gene behaviour caused due to mutation**
 - c. Health hazards as a result of increased use of GM Crops
 - d. Diseases where no new cases have been reported since year 2000
52. The 'Green Revolution' is criticized by some because
- a. It created an agricultural surplus
 - b. It promoted many varieties in food grains
 - c. It enhanced the dependence on fertilizers and many pesticides
 - d. **None of the above**
53. The process of hypothesis testing has
- a. 6 steps
 - b. 9. Steps
 - c. **7 steps**
 - d. 8 steps
54. Principle of laser is
- a. Spontaneous absorption
 - b. **Stimulated emission**
 - c. Induced emission
 - d. All of the above
55. The prefix "Nano" comes from a
- a. **Greek word meaning dwarf**
 - b. Spanish word meaning particles
 - c. Latin word meaning invisible
 - d. French word meaning billion
-

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Part-A

Answer all the questions. Each question carries one mark

1. Hard water contains the SALTS of
a. Aluminium b. Carbon **c. Calcium** d. Iron
2. INTELSAT IV telecommunication satellite has a capacity of handling
a. 1 TV Channel **c. 2 TV Channels**
b. 3 TV Channels d. 4 TV Channels
3. Headquarter of ISRO is situated
a. Chandpur c. Chandigarh
b. **Bengaluru** d. Chennai
4. Satish Dhawan Space Centre is situated in
a. Bengaluru c. Chennai
b. Ahmadabad **d. Sriharikota** (AP- Nellore district)
5. Remote sensing includes gathering of
a. **Images** b. Changes c. Movements d. Sounds
6. Which of the following is not a primary pollutant?
a. SO₂ b. volcanic ash c. O₃ d. CO₂
7. The earth originated
a. **4.6 billion years** b. 8.5 billion yrs c. 2.6 billion yrs d. 1.3 billion years
8. The first formed photosynthetic organisms were
a. Algae **b. Cyanobacteria** c. Bryophytes d. Plants
(Also called as blue green algae)
9. The Scientifically suggested reason for the extinction of dinosaurs is
a. Volcanic eruptions c. massive storm
b. Massive asteroid hit d. massive flood
10. Soap does not work well with
a. **Hard water** b. light water c. heavy water d. soft water
11. Landsat program began in
a. 1972 b. 2003 c. 1982 d. 1992
12. To join the internet, the computer has to be connected to a
a. Internet architecture board c. **internet service provider**
b. Internet society d. none of the mentioned
13. Internet works on
a. Packet Switching b. Circuit switching
b. Both a and b d. none of the above
14. Drug is
a. Produced by endocrine glands
b. Produced by exocrine glands
c. Are secreted through pituitary gland
d. Externally administered chemical substances
15. Lakes and forests are best classified as examples of

- a. Artificial ecosystem
b. **Natural ecosystem**
- c. natural biosphere
d. artificial biosphere
16. Compound microscope has _____ lens/lenses
a. 1 **b. 2** c. 3 d. 4
(Explanation: one is objective lens that is which sees the object in larger size and an eye piece which sees the object 4x, 10x time more magnificently)
17. The resolving power of unaided human eye is
a. **100** μm c. 10 μm
b. b. 1000 μm d. 1 μm
18. Photograph which is taken form microscope is known as
a. Macrograph b. Monograph
b. **Micrograph** d. Pictograph
19. Process in which two light nuclei combine to form a heavy nucleus is called
a. **Fusion reaction** c. radioactivity
b. Fission reaction d. transmutation
20. Genetic improvements in which two crops form the basis of the Green Revolution
a. Corn and rice c. **Wheat and rice**
b. Wheat and corn d. wheat and sorghum
21. Which is the base of scientific development?
a. Physics b. Chemistry **c. Engineering** d. Mathematics
22. Principle of laser is
a. Spontaneous absorption c. induced emission
b. **Stimulated emission** d. both b and c
23. Laser is the short form of
a. Light absorption stimulated emission of radiation
b. **Light amplification by stimulated emission of radiation**
c. Light amplification stimulated emission of rays
d. Light absorption stimulated rays
24. OFC stands for
a. **Optical Fibre Cables** c. Optical Forged Cables
b. Optic forced Cables d. Optical fibre Can
25. The most energy efficient and environment safe source of light is
a. CFL b. LCD **c. LED** d. LPG
26. The nearly perfect source of energy is
a. Coal b. **Natural Gas** c. Petrol d Tar
27. DNA is not a genetic material in
a. Human b. Virus **c. Plant** d. Animal
(Explanation: because of absence of blood in the plant)
28. DNA Stands for
a. Disaccharide Nucleic Acid c. Di-Ribose Nuclear Acid
b. Diphenyl Nucleic Acid **d. Deoxyribose Nucleic Acid**
29. The objectives of experiments include
a. Testing hypothesis c. for supporting and negating theory
b. For gathering about natural phenomenon **d. all the above**

30. The detailed report of the whole work prepared in a standard format is called
 a. **Research** b. Presentation c. Thesis d. Scientific Paper
31. One of the best solutions to get rid of non-biodegradable wastes is
 a. Burying b. Burning **c. Recycling** d. Dumping
32. Which state irrigates largest percentage of land?
 a. Haryana b. UP c. Maharashtra **d. Punjab**
33. The only metal in liquid state is
 a. Iron **b. Mercury** c. Calcium d. Magnesium
34. Stainless steel is so called because of its
 a. High Strength **b. High Corrosion resistance**
 b. High ductility d. Brittleness
35. Layer of atmosphere in which Ozone layer lies is
 a. Exosphere b. Mesosphere c. Troposphere **d. Stratosphere**
36. Copernicus is well known for his contribution in the field of
 a. Biology **b. Physics** c. Mathematics d. Social Science
37. The discovery of Cape of Good Hope goes to
 a. Columbus b. Vespucci c. Vagellan **d. Bartolomeu Dias**
38. Nanoparticles of which substance were found on the surface of the sword of Tippu Sultan
 a. Gold b. Lead **c. Carbon** d. Silicon
 (Explanation: presence of ultra-high carbon with steel is called Damascus steel it is basically made of wootz steel and contained Nano particles of carbon and presence of this carbon made this sword hard. He lost the sword in the war against Nairs of Kerala, which was taken over by Britishers and recently it was bought by Vijay Mallaya from Britishers for 1.5 Crores.)
39. The size of Nano particles is between----- nm
 a. 100- 1000 b. 0.1 to 10 **c. 1-100** d. 0.01 to 1
40. Main branch of Mathematics is
 a. **Algebra** b. Statistics c. Geometry d. Abacus

PART –B

Answer all questions. Each question carries 2 marksx15=30)

41. Lignite, bituminous, anthracite is the variety of
 a. Natural Gas b. wind c. Petrol **d. Coal**
42. BTU is measurement of
 a. Volume **b. Temperature** c. Area d. Pressure
43. Non-Conventional energy sources are
 a. **Biomass, solar, wind** c. Nuclear, coal, petrol
 b. Thermal, nuclear, diesel d. all of the above
 (Non-Conventional energy is also called as renewable energy)
44. Pradhan Mantri Awaas Yojana of Government of India is meant for
 a. Child Development c) Skill development
 b. **House for individual** d) none of the above
45. Which of the following states in India ranks first in the installation of wind power?
 a. Gujrat b. AP c. Maharashtra **d. Tamil Nadu**

46. The observed increase in the average temperature of the air near earths surface and oceans in recent decades
 a. Environmental Change
 b. Health Change
 c. **Global warming**
 d. None of these.
47. Name the MOEFC campaign for land sue science or forest plus.
 a. Good Wood
 b. Wood Good
 c. **Wood is Good**
 d. Good Earth
48. Union Environment ministry approved projects for climate change in which states?
 a. Rajasthan
 b. Gujarat
 c. Manipur
 d. **both a & b**
49. The Process of introduction of weakened pathogen into a human body is called.
 a. **Vaccination**
 b. immunisation
 c. attenuation
 d. None
50. Match the correct Pair.
- | | |
|-----------------------------|---------------------|
| a. Indian Nuclear Programme | 1. M S Swaminathan |
| b. Green Revolution | 2. Vasant Gowarikar |
| c. Indian monsoon model | 3. Homi J Bhabha |
| d. White revolution | 4. Kurien Varghese |
- a. A-2, B-3, C-4, D-1
 b. A-4, B-2, C-1, D-3
 c. A-1, B-3, C-4, D-2
 d. **A-3, B-1, C-2, D-4**
51. ___AND ___ are the two major discoveries of 15th century which led to expansion of white colonies outside Europe
 a. **Mariners Compass and telescope**
 b. Spinning machine and telescope
 c. Gun powder and steam engine
 d. None of the above
52. Match the correct pair
- | Diseases | Causes |
|-----------------|---------------------|
| a) Typhoid | 1. Pneumococcus |
| b) Tuberculosis | 2. HIV |
| c) AIDS | 3. Mycobacterium |
| d) Pneumonia | 4. Salmonella Typhi |
- a. **A-4, B-3, C-2, D-1**
 b. A-2, B-3, C-4, D-1
 c. A-4, B-2, C-1, D-3
 d. A-1, B-3, C-4, D-2
53. Photovoltaic energy is the conversion of sunlight into
 a. Chemical energy
 b. **electricity**
 c. biogas
 d. Geothermal Energy
54. The outermost layer of the earth is
 A Magma
 b. Mantle
 c. **crust**
 d. Solid iron Core
55. LED Stands for
 a. Laser Emitting Diode
 b. **Light Emitting Diode**
 c. Light Emitting Device
 d. Laser Emitting Device

Srilakshmi V Kttur