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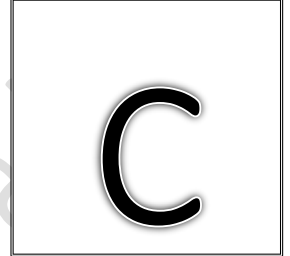
Test Booklet Series

BUREAUCRATS I.A.S. Test Series 2019

TEST BOOKLET

GENERAL STUDIES

PAPER – I



Time Allowed: Two Hours

Maximum Marks: 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to encode and fill in the roll number and test booklet series code A, B, C, or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render that answer sheet liable for rejection.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside.
Do NOT write anything else on the test Booklet.
4. This Test Booklet contains 100 items (questions). Each item is printed **English only**. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the test Booklet at the end.
10. Penalty for wrong answers.

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.
- (ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
- (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.

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**Bureaucrats I.A.S. Academy Mock Test Series - 5 for Civil Services Preliminary Examination
2019**

1. Ganga Vriksharopan Abhiyan is held for which of the following five States:

- (a) Uttar Pradesh – Uttarakhand – Bihar – Jharkhand - West Bengal
- (b) Haryana– Uttarakhand –Bihar – Jharkhand – West Bengal
- (c) Uttar Pradesh- Uttarakhand- Telangana – Jharkhand – Haryana
- (d) Punjab– Uttarakhand – Jharkhand- Madhya Pradesh- West Bengal

2. Consider the following statements regarding “Emissions Gap Report:”

- 1. The report is published by the United Nations Environment Programme (UNEP).
- 2. The report focuses on the “gap” between the emissions reductions necessary to achieve the agreed targets at the lowest cost and the likely emission reductions from full implementation of the Nationally Determined Contributions (NDCs), which form the foundation of the Paris Agreement.

Which of the statements given above is/are correct?

- (a) 1 Only
- (b) 2 Only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

3. Consider the following statements regarding “Greenhouse Gas Bulletin 2018:”

- 1. The report is published by World Meteorological Organization (WMO).
- 2. The concentration of Carbon dioxide reached 405.5 ppm in 2017, 146% of the pre-industrial era (before 1750).

Which of the statements given above is/are correct?

- (a) 1 Only
- (b) 2 Only

- (c) Both 1 and 2
- (d) Neither 1 nor 2

4. Consider the following statements:

- 1. The Delhi High Court became first to set up the ‘Environmental Fund.’
- 2. Lake Urmia is designated as a site of international importance under the UN Convention on Wetlands.

Which of the statements given above is/are correct?

- (a) 1 Only
- (b) 2 Only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

5. Consider the following statements regarding "Green Skill Development Program (GSDP):"

- 1. The Ministry of Environment, Forest and Climate Change (MoEFCC) launched the program.
- 2. It is an initiative for skill development in the environment and forest sector to enable India's youth to get gainful employment and self-employment.

Which of the statements given above is/are correct?

- (a) 1 Only
- (b) 2 Only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

6. Which of the following is related to "Agenda 21 of the Rio Summit 1992"?

- (a) Sustainable Development.
- (b) Combatting the consequences of population explosion.
- (c) Mitigation norms of Green House Gases Emission.
- (d) Technology Transfer Mechanism to developing countries for clean energy production.

7. The Montreux Record is the register of:
- Invasive Alien Species and their ecological hazards outside their native environment.
 - Wetland sites under the threat of anthropogenic activities.**
 - Endangered species of tropical and subtropical fauna.
 - Coastal cities under direct threat of consequences of global warming.
8. "Sepahijala Wildlife Sanctuary" is located in which state?
- Assam
 - Meghalaya
 - Tripura**
 - Mizoram
9. Which of the following "stage of Cyclone Warning" is issued at least 24 hours in advance of the expected commencement of adverse weather over the coastal areas?
- Pre-cyclone watch
 - Cyclone alert
 - Cyclone warning**
 - Post-landfall outlook
10. Consider the following statements:
- Brown Carbon originates primarily during the combustion of organic biomass and coexists with Black Carbon.
 - Blue Carbon is the carbon stored and sequestered in coastal ecosystems such as mangrove forests, seagrass meadows or intertidal saltmarshes.
- Which of the statements given above is/are correct?
- 1 Only
 - 2 Only
 - Both 1 and 2**
 - Neither 1 nor 2
11. Which of the following is accorded as "Wetland of International Importance" under the Ramsar Convention?
- Indian Sundarban**
 - Bhitarkarnika Mangroves
 - Chilika Lake
 - None of the above
12. Recently the Central Government had banned the import of pet coke. Consider the following statements regarding this:
- It is allowed only for cement, lime kiln, calcium carbide, and gasification industries when used as the feedstock or in the manufacturing process on actual user condition.
 - Petroleum coke or pet coke is a solid carbon-rich (90% carbon and 3% to 6% sulfur) material derived from oil refining.
 - Petcoke is a source of fine dust which can get lodged in the lungs. It may contain vanadium which is a toxic metal.
- Which of the statements given above is/are correct?
- 1 and 2 Only
 - 2 and 3 Only
 - 1 and 3 Only
 - All of the above**
13. Consider the following statements:
- Black carbon is a potent climate-warming component of particulate matter formed by the incomplete combustion of fossil fuels, wood, and other fuels.
 - Black carbon is a short-lived climate pollutant (SLCP) with significant direct and indirect impacts on the climate, glacial regions, agriculture, and human health.
- Which of the statements given above is/are not correct?
- 1 Only

- (b) 2 Only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

14. Consider the following statements:
1. The increase in stratospheric ozone has been an important contributor to observed stratospheric cooling.
 2. Montreal Protocol (1987) aims at reducing the production and consumption of ozone depleting substances (ODS).

Which of the statements given above is/are not correct?

- (a) 1 Only
- (b) 2 Only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

15. Recently Suva Expert Dialogue on loss and damage held at COP-23 UNFCCC Bonn was in News. Consider the following statements regarding this:

1. The loss and damage is a concept where rich countries, who have a historical responsibility for climate change, are asked to be liable to developing countries, who are already facing climate change.
2. The Marrakech Partnership for Global Climate Action, established at the CoP22 (UNFCCC), aims to mobilize climate actions quickly and to reap the benefits in efficiency and effectiveness through partnerships and coordination between different actors.

Which of the statements given above is/are correct?

- (a) 1 Only
- (b) 2 Only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

16. Astana Declaration is sometimes seen in the news. It is related to which of the following?
- (a) Intellectual Property Rights
 - (b) Individual Healthcare
 - (c) Primary Healthcare
 - (d) Universal Human rights

17. Which of the following statements is correct about VISION ZERO Conference 2019?
- (a) Vision to have zero blindness within 2022
 - (b) World's action plan towards vision impaired children
 - (c) Raising the occupational safety and health standards of the country.
 - (d) Raising the occupational safety of women in the workplace.

18. Which of the following statements is correct for the Elephant bird?
- (a) It is a group of extinct colossal flightless birds.
 - (b) It is a group of endangered colossal flightless birds
 - (c) It is a subspecies of ostrich bird reported in the Indian subcontinent
 - (d) It is a flightless bird reported on Madagascar.

19. Where is "South Lhonak Lake" located?
- (a) Sikkim
 - (b) Arunachal Pradesh
 - (c) Nepal
 - (d) Bhutan

20. Consider the following fish species:
1. Hump-backed Mahseer
 2. Electric stingray

Which of the above fish species from Cauvery River recently was given a scientific name and is also placed in the IUCN Critically endangered list?

- (a) 1 Only
- (b) 2 Only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

21. Which of the following is the prime factor for an antibiotic to stop bacterial growth and division?
 (a) Cell wall
 (b) Cell membrane
 (c) Nucleus
 (d) Ribosomes
22. Recently there has been news about ocean colour changing. Consider the following statements regarding this:
 1. It is caused due to climate change
 2. It is caused by intense plastic pollution
 3. It is caused by the proliferation of phytoplankton
 4. It is caused by satellite aberrations
- Which of the statements given above is/are correct?
 (a) 1 and 2 Only
 (b) 1, 2 and 3 Only
 (c) 1 and 3 Only
 (d) 2 and 4 Only
23. Which of the following area is called “The Great Garbage Patch”?
 (a) Arctic Sea
 (b) Southern Ocean
 (c) Western Indian Ocean
 (d) Pacific Ocean
24. Which of the following ecological pyramid can never be visualized as an inverted pyramid?
 (a) Pyramid of energy
 (b) Pyramid of biomass
 (c) Pyramid of number
 (d) Pyramid of bio-productivity
25. Bumphead parrotfish is found in which of the following places?
 (a) Andaman and Nicobar islands
 (b) Gulf of Munnar
 (c) Gulf of Khambat
 (d) Lakshadweep
26. Which of the following is related to IOwave18?
 (a) Tsunami mock drill
 (b) Tsunami warning system
 (c) Wave energy summit
 (d) Indian Naval exercise
27. “Vikramshila Gangetic Dolphin Sanctuary” is located in which state?
 (a) Chattisgarh
 (b) Jharkhand
 (c) West Bengal
 (d) Bihar
28. Recently, the Riang or Bru tribe was in the news. They belong to which of the following states?
 (a) Mizoram
 (b) Nagaland
 (c) Arunachal Pradesh
 (d) Andhra Pradesh
29. Golden Crescent and Golden Triangle are associated with which of the following?
 (a) Asia’s main Opium Producing areas
 (b) Asia’s primary Gold mined areas
 (c) South America’s opium-producing areas
 (d) South America’s gold mined areas
30. Where is Singphan Wildlife Sanctuary located?
 (a) Assam
 (b) Goa
 (c) Arunachal Pradesh
 (d) Nagaland
31. The Imja lake recently in the news is a type of:
 (a) Volcanic Lake
 (b) Fluvial lake
 (c) Glacial lake
 (d) Aeolian lake
32. Renukaji Dam Multipurpose Project will be constructed on which river?
 (a) Yamuna

- (b) **Giri**
 (c) Tons
 (d) Ganga
33. UNNATI programme is recently launched by which of the following organizations?
 (a) Ministry of Tribal Affairs
 (b) **ISRO**
 (c) DRDO
 (d) Prasar Bharati
34. Consider the following statements about Golden langurs:
 1. It is found in India, Nepal and Bhutan.
 2. It is included as critically endangered in the red list of IUCN.
 Which of the statements given above is/are correct?
 (a) 1 Only
 (b) 2 Only
 (c) Both 1 and 2
 (d) **Neither 1 nor 2**
35. Recently the Sustainable Catchment Forest Management (SCATFORM) project undertaken with the assistance of JICA (Japan International Cooperation Agency) was launched in which state?
 (a) Jharkhand
 (b) West Bengal
 (c) **Tripura**
 (d) Assam
36. Where is Trishna Wildlife Sanctuary located?
 (a) Maghalaya
 (b) **Tripura**
 (c) Telangana
 (d) West Bengal
37. Biennial Update Reports or BUR is to be submitted by non-Annex I Parties to which of the following organisations?
 (a) **UNFCCC**
 (b) World Bank
 (c) WHO
 (d) SDG
38. The decrease in the concentration of pollutants with an increase in algal blooms is called:
 (a) Bioaccumulation
 (b) Bioremediation
 (c) Biosparging
 (d) **Biodilution**
39. Recently Shahariya, a tribal community was in the news. Where do they belong?
 (a) **Rajasthan**
 (b) Punjab
 (c) Chhattisgarh
 (d) Bihar
40. 'Konkan 18' reflects to which of the following?
 (a) **The annual bilateral maritime exercise**
 (b) Annual festival celebrating the Konkani culture
 (c) Western Ghats disaster resilient force
 (d) New Project for Environment Management in the Western Ghats
41. American water plant that has become a troublesome water weed in India. Which one of them is the correct Scientific name of the same?
 (a) Cyperus rotundus
 (b) **Eichhornia crassipes**
 (c) Typha latifolia
 (d) Trapa bispinosa
42. What are blue jets?
 (a) Rocket exhaust gases in the atmosphere
 (b) A globe-trotting jet aircraft
 (c) **Flashes of lightening that appear above thunderstorms**
 (d) The air flow in the stratosphere
43. Which of the following organization releases the Global Economic Prospects (GEP) Report?
 (a) World Economic Forum
 (b) **World Bank**
 (c) International Monetary Fund
 (d) G20

44. Which of this legally binding agreement was ratified by 197 parties of the United Nations?
- (a) Stockholm Convention
 - (b) Kyoto Protocol
 - (c) Vienna Convention
 - (d) **Montreal Protocol**
- (b) Uttar Pradesh
(c) Rajasthan
(d) Chhattisgarh
45. Which of the following Indian states or Union Territory (UT) has the maximum percentage of mangrove cover in the country?
- (a) **West Bengal**
 - (b) Gujarat
 - (c) Maharashtra
 - (d) Andaman and Nicobar Islands
46. Recently opposed Hydro Electric project in Arunachal Pradesh is on which river?
- (a) Brahmaputra
 - (b) **Lohit**
 - (c) Luni
 - (d) Ganga
47. Which amongst the following flower only once in twelve years?
- (a) **Strobilanthus kunthianus**
 - (b) Amaranthus
 - (c) Gypsophila
 - (d) Monarda
48. Rajasthan's First Lion safari is inaugurated at which of the following areas?
- (a) **Nahargarh Biological Park**
 - (b) Macchia Biological Park
 - (c) Sajjangarh Biological Park
 - (d) Gajner Wildlife Sanctuary
49. What is 'placer deposits'?
- (a) Areas undersea enriched with mineral deposits
 - (b) Formation of a rift and depositing silt
 - (c) A region beneath the ocean surface
 - (d) **Sand deposits where gold is found**
50. Kuno-Palpur Wildlife Sanctuary is situated in which of the following States
- (a) **Madhya Pradesh**

51. Network for Certification and Conservation of Forests (NCCF) is under which of the following?
 (a) UNEP
 (b) UNFCCC
 (c) **Non-profit organisation**
 (d) Ministry of Environment, India
52. Which of the following is true for the recently launched 'Nikshay Poshan Yojana'?
 (a) **Nutritional support to TB patient**
 (b) Nutritional support to pregnant women
 (c) Financial support to TB patient
 (d) Nutritional support to young women
53. Which of the following organization releases 'Global Energy Transition Index'(GETI)?
 (a) International Energy Agency
 (b) OECD
 (c) UN-Energy
 (d) **World Economic Forum**
54. A comprehensive action plan against antimicrobial resistance is taken by:
 (a) Kathmandu
 (b) **Kerala**
 (c) Tamil Nadu
 (d) Uttarakhand
55. The stratospheric aerosol injection which is sometimes seen in news is related to which of the following?
 (a) Cloud seeding
 (b) Artificial rain
 (c) **Mitigating global warming**
 (d) Mitigating ozone hole depletion
56. Which of the following is the purpose of ISRO's GSAT -7A satellite?
 (a) Telecommunication
 (b) **Augmenting IAF's communication**
 (c) Earth observation
 (d) Satellite-based internet service to remote areas
57. World's largest solar park Shakti Sthala was launched in:
 (a) Delhi
 (b) Maharashtra
 (c) Uttar Pradesh
 (d) **Karnataka**
58. Which of the following is related to SWAYAM PRABHA?
 (a) Interactive Digital boards
 (b) Comprehensive Analysis for CBSE affiliated schools
 (c) **Satellites communication technologies for educational e-content.**
 (d) Imparting ICT skills to Kendriya Vidyalaya Schools
59. What do you mean by p-null phenotype?
 (a) A recent expression of the trait in plants
 (b) A rare genetic disease
 (c) **A rare blood group**
 (d) Nomenclature of an antigen
60. Which of the following species is laced with formalin that caused a stir in the food industry?
 (a) **Fish**
 (b) Meat
 (c) Eggs
 (d) Oysters
61. Consider the following reports with their publishing organisations. Which of the following matched pairs is incorrect?
 (a) World Development Report – World Bank
 (b) **Emission Gap Report – UNFCCC**
 (c) Environmental performance index – World Economic Forum
 (d) Gender Inequality Index- United Nations Development Programme
62. ISRO Human Space Flight Centre is based in:
 (a) **Bengaluru**
 (b) Thiruvananthapuram
 (c) Mumbai

- (d) Gurugram
63. Recently Scientists have found out about Dark Matter Heating Effect. Which of the following correctly explains the same?
- (a) Dark matter at the center of the galaxies is pushed out due to star formation.
 - (b) Dark matter is formed at the center of the galaxies
 - (c) Evaporation of matter to form dark matter
 - (d) Dark matter increases in mass due to heating
64. The process of oxidation of Ammonia to nitrite and further oxidation to nitrate is called as:
- (a) Oxidation-reduction cycle
 - (b) Nitrification
 - (c) Denitrification
 - (d) Dehydrogenation
65. The Chemical used for cooling in refrigeration is:
- (a) CO₂
 - (b) NH₄CL
 - (c) NH₄OH
 - (d) Liquid Ammonia
66. At Sunrise or Sunset, the Sun appears to be reddish-white, and at mid-day, it looks white this is because
- (a) The Sun is colder at Sunrise and Sunset
 - (b) At Sunrise or Sunset, it is nearer to Earth
 - (c) At Sunrise it is fresh, and at sunset, it is about to be set.
 - (d) The scattering due to dust particles and air molecules
67. Crops that are grown for animal feed are called:
- (a) Forage crops
 - (b) Monsoon crops
 - (c) Cash crops
 - (d) Wetland crops
68. In case of a chemical change, which one of this is generally effected:
- (a) Neutron
 - (b) Nucleus
 - (c) Proton
 - (d) Electron
69. Besides Rabi and Kharif, which is the third crop season in India?
- (a) Zaid
 - (b) Barsati
 - (c) Sharad
 - (d) Jhum
70. Kharif crops are harvested in which of these following months?
- (a) June-July
 - (b) October-November [September and October]
 - (c) May-June
 - (d) March-April

71. The eyes of the potato are useful for:
 (a) Nutrition
 (b) Respiration
 (c) **Vegetative propagation**
 (d) Protection from predators
72. The Plasmodium falciparum Parasite is transmitted to man by which of the following?
 (a) Lice
 (b) Ticks and Fleas
 (c) **Mosquito**
 (d) Fly
73. Jute Cultivation in India is concentrated in the delta area of which of the following rivers:
 (a) **Ganga**
 (b) Mahanadi
 (c) Krishna
 (d) Godavari
74. What is the process of the formation of DNA from m-RNA called?
 (a) **Transcription**
 (b) Reverse Transcription
 (c) Translation
 (d) Replication
75. Ultrasonic waves can be generated in which of the following:
 (a) Atom Bombarding
 (b) Atom Fusion
 (c) **Piezoelectric Effect**
 (d) All of these
76. With respect to respiration which of the following is incorrect?
 (a) It is an intracellular chemical process.
 (b) **It is an anabolic process.**
 (c) It involves the breakdown of energy-rich molecules.
 (d) It is concerned with the supply and release of energy
77. “Golden Mahasheer” is a variety of which of the following?
 (a) Sheep
 (b) Goat
 (c) **Fish**
 (d) Dolphin
78. Which of the following types of farming also known as “Jhuming”?
 (a) **Shifting farming**
 (b) Subsistence farming
 (c) Terrace farming
 (d) Irrigated farming
79. What is vertical farming?
 (a) **It is a new method of agriculture in which crops are cultivated inside multi-story buildings**
 (b) It is a new method of agriculture in which various unrelated crops are grown together in the same tract of land.
 (c) It is a new method of agriculture in which various closely related crops are grown together in the same tract of land
 (d) Many systems such as aquaculture, sericulture, pisciculture, and bee culture are altogether used for better use of land and resources.
80. Blood pressure is controlled by which of the following?
 (a) **Adrenal gland**
 (b) Thyroid gland
 (c) Thymus
 (d) Corpus luteum

81. Which cells in our body do not possess the capability to regrow after damage?
(a) **Brain cells**
(b) Muscle cells
(c) Bone cells
(d) Liver cells
82. Alfalfa is the name of the kind of
(a) Forest
(b) Crop
(c) Grass
(d) **Flowering plant**
83. Which of the following is the chief source of Naphthalene?
(a) **Coal tar**
(b) Diesel
(c) Charcoal
(d) Camphor
84. Which one of the following is known as the brown coal?
(a) Anthracite
(b) Bituminous
(c) Peat
(d) **Lignite**
85. Black lung disease occurs in people working in:
(a) Electroplating industry
(b) Organic solvent industry
(c) Paint manufacturing industry
(d) **Coal mines**
86. Which of the following is not a greenhouse gas?
(a) Chlorofluorocarbon
(b) **Nitrogen**
(c) Methane
(d) Carbon Dioxide
87. Carbonization is a process in which:
(a) **Dead vegetation convert into coal**
(b) Dead marine organisms convert into petroleum
(c) Carbon dioxide convert into carbon
(d) None of these
88. Which of the following gases is present under pressure in soft drinks?
(a) Oxides of carbon
(b) Nitrogen dioxide
(c) **Carbon Dioxide**
(d) Carbon Monoxide
89. Heart pacemakers are made by which of the following metals?
(a) Uranium
(b) Deuterium
(c) **Plutonium**
(d) Radium
90. Which of the following metals is sometimes used for the treatment of prostate cancer?
(a) **Radium**
(b) Plutonium
(c) Uranium
(d) Thorium
91. The silk fiber is chemically which of the following compound?
(a) Carbohydrate
(b) Fat
(c) **Protein**
(d) Cellulose
92. Which one of the following is not one of the prime health risks associated with higher UV radiation through the atmosphere due to the depletion of stratospheric ozone?
(a) Reduced immune system
(b) Damage to eyes
(c) **Increased liver cancer**
(d) Increased skin cancer
93. Transplantation of tissues/organs often fails due to non-acceptance by the patient's body. Which type of immune response is responsible for such reactions?
(a) **Cell-mediated immune response**
(b) Hormonal immune response
(c) Physiological immune response

(d) Autoimmune response

(d) Virus

94. Which of the following statements is incorrect about antibodies?

- (a) Once an antibody and antigen bind, they become an immune complex
- (b) In placental mammals, there are five antibody isotypes
- (c) Antibodies are secreted by B cells and T cells
- (d) Antibodies are Y shaped and protein in nature**

99. The fastest enzyme in the human body is:

- (a) Pepsin
- (b) Carbonic anhydrase**
- (c) DNA gyrase
- (d) DNA polymerase

95. What is CA-MRSA?

- (a) Missile system developed by Israel.
- (b) Computer worm designed to attack industrial programmable logic controllers.
- (c) Bacteria resistant to certain antibiotics**
- (d) California based exploration project of Mars.

100. Which of the following enzymes is naturally occurring in yeasts and catalyzes the fermentation of sugar into ethanol and carbon dioxide?

- (a) Invertase
- (b) Maltase
- (c) Zymase**
- (d) Diastase

96. Which of the following statements is incorrect about tissue culture?

- (a) Callus cells induction medium consists of agar and a mixture of macronutrients and micronutrients.
- (b) The culture medium contains plant growth regulators, such as auxins, cytokinins, and gibberellins.
- (c) Callus cells are those cells that cover a plant wound.
- (d) The callus is not capable of regenerating an entire plant.**

97. Which of the following does not belong to any type of stem cells?

- (a) Embryonic stem cells.
- (b) Tissue-specific stem cells.
- (c) Callous stem cells.
- (d) Induced pluripotent stem cells.**

98. The causative agent of mad cow disease is:

- (a) Worm
- (b) Prion**
- (c) Bacterium