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2016

TEST BOOKLET

Paper - IV

Time allowed : 3 hours

Full marks : 200

Answer *all* the questions.

Questions are of equal value.

TEST BOOKLET SERIES



NB: This paper is one of our student's paper. So answers marked here are of his own, not us and it may include few wrong answers too.

Serial No.

Roll No.

Signature of the Candidate:

INSTRUCTIONS

Candidates should read the following instructions carefully before answering the questions:

1. This booklet consists of 20 pages including this front page. Verify the Page Nos. and Test Booklet Series on each page and bring at once to the Invigilator's notice any discrepancy.
2. Answers will have to be given in the Special Answer-Sheet supplied for the purpose.
3. Before you proceed to mark in the Answer-Sheet in 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 in the Admit Card. **Do not fold the Answer-Sheet as this will result in error in your marks.**
4. All questions are of multiple-choice answer-type. You will find **four** probable answers (A), (B), (C) and (D) against each question. Find out which of the four answers appears to you to be correct or the best. Now darken the oval corresponding to the letter of the selected answer in the Answer-Sheet with **Black Ball Point Pen** as per instructions printed on the reverse of the Admit Card and in the Answer-Sheet.
5. If more than one oval is encoded for a particular answer, it will be treated as a wrong answer.
6. *There will be negative marking of $\frac{1}{3}$ mark for each wrong answer.*
7. There are blank pages at the end of this booklet for Rough Work.
8. *The Special Answer-Sheet should be handed over to the Invigilator before leaving the Examination Hall. You are permitted to take away the used Test Booklet after completion of the examination.*

[Please Turn Over]

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1. Confirmation of the presence of Higgs Boson will justify

- ☒ (A) both the standard model and superstring theory.
- (B) the unification of all the four fundamental forces.
- (C) the steady state model of the universe.
- (D) the mass of the fundamental particles.

2. A gas is enclosed in a container which is then placed on a fast moving train. The temperature of the gas

- (A) falls
- (B) rises
- ☒ (C) remains unchanged
- (D) becomes unsteady

3. When red glass is heated in dark room it will seem

- (A) green
- (B) purple
- ☒ (C) black
- (D) yellow

4. A refrigerator, with its power on, is kept in closed room with its door open. The temperature of the room will

- (A) fall
- ☒ (B) rise
- (C) remain the same
- (D) None of the above

5. Cooking taken longest time

- (A) at Shimla
- ☒ (B) at Mt. Everest
- (C) at the sea level
- (D) None of the above

6. What is viewed through an electron microscope?

- (A) Electrons and other elementary particles
- ☒ (B) Structure of bacteria and viruses
- (C) Inside of human stomach
- (D) Inside of the human eye

7. When viewed in white light, soap bubbles show colours because of

- (A) scattering
- ☒ (B) diffraction
- (C) interference
- (D) dispersion

8. In electric supply lines in India, which parameter is kept constant?

- ☒ (A) Voltage
- (B) Current
- (C) Frequency
- (D) Power

9. What is the most commonly used substance in fluorescent tubes?

- (A) Sodium oxide and argon
- (B) Sodium vapour and neon
- ☒ (C) Mercury vapour and argon
- ☒ (D) Mercury oxide and neon

10. Which one of the following is printed on a commonly used fluorescent tubelight?

- (A) 220 K
- (B) 273 K
- ☒ (C) 6500 K
- (D) 9000 K

11. Electricians use rubber gloves while working because

- (A) rubber is a good conductor.
- ☒ (B) rubber is an insulator.
- (C) it is easy to work while wearing gloves.
- (D) None of the above

12. The electrical circuits used to get smooth D.C. output from a rectified circuit is called

- (A) amplifier
- (B) filter
- (C) oscillator
- ☒ (D) full wave rectifier

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13. The frequency band used for radar relay system and television is

- (A) VLF *
- (B) UHF
- (C) VHF
- (D) EHF

14. Which of the following satellites is used in ship to shore and shore to shore and shore to ship communication?

- ☒ (A) Marisat *
- (B) Comsat
- (C) Telestar
- (D) Intelsat

15. Which one among the following has the highest energy?

- (A) Blue light
- (B) Green light
- ☒ (C) Red light
- (D) Yellow light

16. Cylindrical lens is used by a person suffering from

- (A) astigmatism
- ☒ (B) myopia
- (C) hypermetropia
- (D) pres biopia

17. To an observer on the lunar surface, during the day time the sky will appear to be

- (A) light yellow
- (B) orange
- ☒ (C) blue
- (D) black

18. Which type/ types of pen uses/use capillary action in addition to gravity for flow of ink?

- ☒ (A) Fountain pen
- (B) Ball point pen
- (C) Gel pen
- (D) Both ball point and gel pens.

19. Parsec is a measure of

- (A) brightness of heavenly bodies
- (B) density of the earth
- (C) orbital velocity of the stars
- ☒ (D) astronomical distance

20. Which one of the following discs is used to cold boot of a computer?

- (A) Set up disc
- (B) Program disc
- (C) Diagnostic disc
- (D) System disc

21. Long distance short wave radio broadcasting uses

- (A) Direct wave
- (B) Sky wave
- (C) Ionospheric wave
- ☒ (D) Ground wave

22. Intelsat satellite is used for

- (A) radar communication
- (B) radio communication
- ☒ (C) Intercontinental communication
- (D) None of the above

23. In nuclear reaction, there is conservation of

- (A) energy only
- (B) momentum only
- (C) mass, energy and momentum
- (D) mass only

24. Modem is a device used for

- (A) converting analog signals to digital signals
- (B) modulating signals
- ☒ (C) Either of the above
- (D) None of the above

25. Particles which can be added to the nucleus of an atom without changing its chemical properties are

- (A) electron
- (B) protons
- ☒ (C) neutrons
- (D) α -particles

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26. The mass-energy relation is the outcome of
☒ (A) quantum theory
(B) general theory of relativity
(C) field theory of relativity
(D) special theory of relativity
27. Which one of the following devices has installed Wi-Fi devices in its system?
☒ (A) Smartphones
(B) Video Game consoles
(C) Computer Printers
☒ (D) All of the above
28. Which of the following Television display is working on the principle of semiconductor?
☒ (A) Plasma display
(B) Liquid Crystal display
(C) Light emitting diode display
(D) None of the above
29. Who had coined the term television at the first International Electricity congress held in Paris?
(A) Paul Nipkow
(B) Constantin Perskyi
(C) J J Thompson
(D) Henry Patrick
30. Which one of the following sold the world's first mobile television MTV—1?
(A) Clive Sinclair
(B) George Shapiro
(C) Clive Clinton
(D) William Gladstone
31. LEC or Light Emitting Electrochemical Cell is a different mode of operation of
(A) LEDS
☒ (B) CRTS
(C) LCDS
(D) OLEDs
32. From which of the following GSM technologies, the LTE (Long Term Evolution) is made to the enhancement of telecommunication?
(A) Wi Man
(B) CDMA
(C) UMTS
☒ (D) HSDPA
33. Which of the following electromagnetic waves is used by the Bluetooth to exchange data over short distances?
☒ (A) Microwaves
(B) Radio Waves
(C) X-rays
(D) UV-rays
34. Which of the following companies launched the 3G mobile telecommunication for the first time in the world?
☒ (A) Nextle in the United States
(B) NTT DoCoMo (Japan)
(C) Telus Mobility (Canada)
(D) Bharati Airtel in India
35. Which of the following is the web browser?
(A) Google Chrome
(B) Safari
(C) Opera
☒ (D) All of the above
36. Which one of the following internet protocol version is the most deployed internet layer protocol?
(A) IPV2
(B) IPV4
☒ (C) IPV6
(D) IPV8
37. Which one of the following is the web search engine?
(A) Aliweb
(B) Jughead
☒ (C) Baidu
(D) All of the above

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38. Which one of the following persons invented the world's first digital and programmable robot?
- (A) George Devol
 - (B) Hisashige Tanaka
 - (C) Korel Capek
 - (D) Joseph Engel Berger
39. Spam is related to
- ☒ (A) Computer
 - (B) Art
 - (C) Music
 - (D) Game
40. Junk e-mail is also called
- (A) Spoof
 - (B) Spool
 - (C) Sniffer Script
 - ☒ (D) Spam
41. Which one of the following is a set of program instruction that can attach itself to a file, reproduces itself and spread to other file?
- (A) Computer worm
 - ☒ (B) Computer virus
 - (C) Trojan horse
 - (D) Phising Scam
42. Which one of the following is the most common picking device of the graphic application?
- (A) Graphic tablet
 - (B) Joystick
 - ☒ (C) Mouse
 - (D) Light Pen
43. What is the function of the microsoft office world?
- (A) An operating system
 - (B) A downloading application software
 - ☒ (C) A word processing software
 - (D) An input device
44. Which one of the following computer operating system (OS) is the most commonly used in the Top-500 super computers of the world?
- ☒ (A) Unix OS
 - (B) Linux OS
 - (C) Lisa OS
 - (D) Mac OS
45. Which one of the following application is commonly used to prepare a presentation or slide show?
- (A) Photoshop
 - ☒ (B) Powerpoint
 - (C) Internet explorer
 - (D) Outlook express
46. Which of the following is the first state in India to have 3G services of Telecommunication?
- (A) Maharashtra
 - (B) Bihar
 - ☒ (C) Uttar Pradesh
 - (D) Andhra Pradesh
47. WIMAX is related to which one of the following?
- (A) Biotechnology
 - ☒ (B) Space Technology
 - (C) Missile Technology
 - (D) Communication Technology
48. Which of the following is not the term of Information Technology?
- (A) Cyber Space
 - (B) Upload
 - (C) Modem
 - ☒ (D) Light Storage
49. Which of the following countries firstly deployed the 4G system of mobile telecommunication in world?
- ☒ (A) South Korea
 - (B) Japan
 - (C) United States
 - (D) England
50. Which of the following Persons discovered the gamma-rays?
- (A) Paul Villard
 - ☒ (B) Marie Curie
 - (C) J.J. Thompson
 - (D) Adam Osborne
51. What is the principle by which a cooling system (radiator) in a motor car works?
- (A) Convection
 - (B) Conduction only
 - (C) Radiation only
 - ☒ (D) Both conduction and radiation

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52. Entropy change of a system and its surroundings in equilibrium

- ☒ (A) increases
- (B) decreases
- (C) remains constant
- (D) either increases or decreases

53. Mira Nair is a noted

- (A) Film maker
- (B) Athlete
- (C) Vocalist
- (D) Scientist

54. '*Equus Caballus*' is the scientific name of

- (A) Cow
- (B) Horse
- (C) Cat
- (D) Tiger

55. The initial structures of Agra Fort were built by

- (A) Jehangir
- (B) Shah Jahan
- (C) Akbar
- (D) Humayun

56. Which one of the following memories is not non-volatile computer memory?

- (A) PRAM
- (B) SRAM
- (C) Flash Memory
- ☒ (D) Bubble Memory

57. On 6th January 2016, the National Human Rights Commission issued a notice to a particular state on the reported deplorable conditions prevailing in the prisons of that state. Which state was it?

- (A) Gujarat
- (B) Jharkand
- ☒ (C) Punjab
- (D) Bihar

58. A famous painter amongst the following was

- (A) Amrita Shergil
- (B) V. Shantaram
- (C) Mallika Sarabhai
- (D) Uday Shankar

59. Who is known as 'Periyar'?

- (A) Narayana Guru
- ☒ (B) E. V. Ramasami
- (C) B. R. Ambedkar
- (D) Jotirao Phule

60. If a bomb dropped from an air plane explodes in mid-air

- ☒ (A) its KE increases.
- (B) its total energy increases.
- (C) its total energy decreases.
- (D) None of the above

61. SANA is the news agency of

- ☒ (A) Soudi Arabia
- (B) United Arab Emirates
- (C) Syria
- (D) Yemen

62. Fat can be separated from milk in a cream separator because of

- (A) cohesive force
- (B) gravitational force
- (C) centripetal force
- ☒ (D) centrifugal force

63. Who has created the high level programming language for the first time for computers?

- (A) Konord Lorenz
- (B) Konard Zuse
- (C) Mario Johnson
- (D) Henry Gladstone

64. The Man Booker International Prize 2016 has been won by South Korean author Han Kang for the book

- (A) A General Theory of Oblivion
- (B) A Whole Life
- (C) The Vegetarian
- (D) The Story of the Lost Child

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65. The Silent Valley Movement had taken place in
(A) Kerala
(B) Odisha
(C) Jharkhand
(D) Uttarakhand
66. The maximum gap between two sessions of Parliament shall not be more than
(A) two months
(B) four months
(C) six months
(D) one year
67. The number of unpaired electrons in Mn^{2+} is
(A) 1
(B) 3
(C) 4
(D) 5
68. In the Arjuna Award Winners 2015 List Babita Kumari was awarded for
(A) Wrestling
(B) Rowing
(C) Kabaddi
(D) Shooting
69. When did Goa become a full-fledged state?
(A) 1977
(B) 1978
(C) 1980
(D) 1987
70. What frequency range of EM waves are used for commercial FM radio?
(A) 88 MHz to 108 MHz
(B) 88 GHz to 108 GHz
(C) 88 kHz to 108 kHz
(D) None of the above
71. The 2018 FIFA World Cup is scheduled to be hosted by
(A) Brazil
(B) Russia
(C) Belgium
(D) Spain
72. World Wildlife Day is observed on
(A) March 3
(B) March 5
(C) March 8
(D) March 10
73. Which of the following is used by the mountaineers and the pilots to measure pressure?
(A) Simple barometer
(B) Fortin's barometer
(C) Manometer
(D) Aneroid barometer
74. The Rome Statute of the International Criminal Court came into force in
(A) 2002
(B) 2005
(C) 2013
(D) 2014
75. The Government of India conducted Operation Raahat to evacuate Indians in 2015 from
(A) Yemen
(B) Myanmar
(C) Bangladesh
(D) Nepal
76. Which one of the following computer scientists firstly used the term 'bits'?
(A) George Jonhansen
(B) Cliff Berry
(C) John Atanasoff
(D) Claude E Shannon
77. The Dadasaheb Phalke Award, the highest award in India given to recognize the contribution of film personalities towards the development of Indian Cinema, was instituted in
(A) 1951
(B) 1963
(C) 1965
(D) 1969

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78. Red shifts is an illustration of
(A) high frequency absorption
(B) low temperature emission
(C) doppler effect
(D) unknown phenomenon
79. The SAFF cup is related to which sports?
(A) Cricket
(B) Volleyball
(C) Football
(D) Hockey
80. Nights are cooler in the deserts than in the plain because
(A) sand radiate heat more quickly than the earth.
(B) the sky remains clear most of the time.
(C) sand absorbs heat quickly than the earth.
(D) None of the above
81. A small and a large rain drops are falling through air,
(A) the small drop moves faster.
(B) the large drop moves faster.
(C) both moves with same speed.
(D) None of the above
82. Which one of the following displays is not the volatile television display?
(A) Plasma
(B) Liquid Crystal Display
(C) Organic Light Emitting Diode
(D) Cholesteric Display
83. The Late Rajmata Vijayaraje Seindia was the Maharani of
(A) Surat
(B) Bhopal
(C) Jaipur
(D) Gwalior
84. The celsius temperature is a / an
(A) relative temperature
(B) absolute temperature
(C) specific temperature
(D) approximate temperature
85. The UN Security Council has how many members?
(A) 10
(B) 12
(C) 15
(D) 18
86. The name of Kunjarani Devi is associated with
(A) Weight lifting
(B) Target shooting
(C) Swimming
(D) Archery
87. The internal resistance of a-dry cell is
(A) equal to that of electrolytic cell
(B) smaller than that of electrolytic cell
(C) higher than that of electrolytic cell
(D) zero
88. The High Court at Calcutta, formerly called High Court of Judicature at Fort William, was established in
(A) 1859
(B) 1860
(C) 1862
(D) 1900
89. Graham Green was associated with
(A) Science
(B) Painting
(C) Music
(D) Literature
90. Ustad Ali Ahmad Hussain Khan, who passed away recently, was an exponent of
(A) Shehnai
(B) Tabla
(C) Sitar
(D) Violin
91. Which of the following is the example of ideal black body?
(A) Blackboard
(B) Kajol
(C) A pin hole box
(D) None of the above

92. Tennis player Roger Federer hails from
(A) UK
(B) USA
☒ (C) Switzerland
(D) Belgium
93. REM is a unit of
(A) radiation dosage
☒ (B) binding energy
(C) packing fraction
(D) radioactivity
94. The working capital of the European Union is in
☒ (A) Brussels
(B) London
(C) Paris
(D) Lisbon
95. Which of the following is a closed system?
(A) Jet engine
☒ (B) Tea placed in steel kettle
(C) Pressure cooker
(D) Rocket engine during propulsion
96. The Bhitarkanika Wildlife Sanctuary is in
(A) Odisha
☒ (B) Madhya Pradesh
(C) Rajasthan
(D) Assam
97. East Timor, which is the 191st member of the UN, is located in the continent of
(A) Asia
☒ (B) Africa
(C) Europe
(D) South America
98. A radioactive decay process has a half life of 4 yr. The amount of the reactant remaining after 12 yrs is
(A) 10%
☒ (B) 12.5%
(C) 25%
(D) 87.5%
99. Weightlessness experienced in spaceship is due to
(A) absence of inertia
(B) absence of accelerating force
☒ (C) absence of gravity
(D) free fall of the spaceship
100. Which one of the following languages is not the scripting language?
(A) Java scripts
(B) Pytheon
(C) Perl
(D) Lisp
101. Radioactive substance used in dating geological object is
(A) C—12
(B) C—11
☒ (C) C—14
(D) None of the above
102. Which of the following states is the largest in the USA in terms of land area?
(A) Alaska
☒ (B) Arizona
(C) Nevada
(D) Texas
103. Novak Djokovic is a famous player in the field of
☒ (A) Tennis
(B) Cricket
(C) Carrom
(D) Table Tennis
104. Raja Ravi Verma was a famous
(A) Athlete
(B) Artist
(C) Dancer
(D) Theatre personality

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105. Who is the father of Computer Science?

- (A) Alan Turing
- (B) Adam Osborne
- (C) John Moore
- (D) Neal Stephenson

106. Michael O Dwyer, who had been Governor of Punjab in colonial India at the time of the Amritsar massacre in 1919, was shot dead in 1940, by

- ☒ (A) Udham Singh
- (B) Balbir Singh
- (C) Rajendra Singh
- (D) Jaipal Singh

107. If the earth was stop rotating, the value of 'g'

- ☒ (A) increases
- (B) decreases
- (C) remain unchanged
- (D) becomes zero

108. Who is the Director of the film 'Chutushkon'?

- (A) Mrinal Sen
- (B) Aparna Sen
- ☒ (C) Srijit Mukherji
- (D) Anjan Ghosh

109. Who is referred to as the 'Father of SMS'?

- (A) Jamie Lannister
- (B) Ross Bolton
- (C) Matti Makkonen
- (D) None of them

110. The 2015 Indira Gandhi Prize for Peace, Disarmament and Development is awarded to

- (A) UNHCR
- (B) UNICEF
- ☒ (C) UNESCO
- (D) WHO

111. Which one of the following is not radioactive?

- (A) Astatine
- (B) Francium
- (C) Tritium
- (D) Zirconium

112. The social networking site 'Twitter' was launched in

- (A) 2003
- (B) 2004
- ☒ (C) 2005
- (D) 2006

113. The patient is asked to drink barium sulphate (BaSO_4) for examining the stomach by X-rays because X-rays are

- (A) less absorbed by heavy atoms.
- ☒ (B) more absorbed by heavy atoms.
- (C) reflected by heavy atoms.
- (D) refracted by heavy atoms.

114. Who, among the following, was the Prime Minister when Panchayats were given constitutional status in India?

- ☒ (A) Indira Gandhi
- (B) V. P. Singh
- (C) P. V. Narsimha Rao
- (D) Rajiv Gandhi

115. Which of the following is not a main organ of the U.N.?

- (A) General Assembly
- (B) Security Council
- (C) International Court of Justice
- ☒ (D) International Labour Organization

116. Infosys is opening its first overseas campus in

- (A) USA
- (B) Japan
- (C) Germany
- (D) China

117. Which of the following organization's registration had been suspended by the Government of India for violation of FCRA?

- (A) Ford Foundation
- ☒ (B) Green Peace
- (C) Amnesty International
- (D) None of the above

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118. Duma is the Parliament of
(A) Russia
(B) Japan
(C) China
(D) Iran
119. Which one of the following computers is the world's first commercial computer?
(A) Ferranti Mark-1
(B) Mark-1 star
(C) UNIVAC-1
(D) IBM-704
120. Sanjay Dutt, the noted film actor, had been detained under which Act?
(A) TADA
(B) IPC-Section 302
(C) Anti-Defection Act
(D) Narcotics Act
121. The Almatti Dam is a hydroelectric project on the river
(A) Cauvery
(B) Krishna
(C) Ganges
(D) Godavari
122. Which country is called the 'Land of Thousand Lakes'?
(A) Finland
(B) Ireland
(C) Canada
(D) Australia
123. The currency of Indonesia is
(A) Rupiah
(B) Dinar
(C) Rangit
(D) Riyal
124. Silica in amorphous form is used in
(A) photovoltaic cell
(B) conductivity cell
(C) standard hydrogen electrode
(D) None of the above
125. Who firstly demonstrated experimentally the existence of electromagnetic waves?
(A) Hertz
(B) Romar
(C) Marconi
(D) Maxwell
126. Sargasso Sea is the other name of
(A) North Atlantic
(B) South Atlantic
(C) North Pacific
(D) South Pacific
127. WCED (World Commission on Environment and Development) report is also called
(A) Our common enemy
(B) Silent Spring
(C) Our common goal
(D) Our common future
128. Which country has been declared by WHO as free of measles in July, 2016?
(A) China
(B) Brazil
(C) Namibia
(D) Pakistan
129. Tarun Bharat Sangh was established for water conservation in
(A) Gujarat
(B) Maharashtra
(C) Rajasthan
(D) Madhya Pradesh
130. How many member states does the European Union have?
(A) 28
(B) 30
(C) 32
(D) 34

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131. The number of tsunamis are highest in

- ☒ (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Indian Ocean
- (D) Bay of Bengal

132. The following compound is not a persistent organic pollutant:

- (A) DDT
- (B) Dioxins
- ☒ (C) Endosulfan
- (D) Methane

133. Political activist, Jayaprakash Narayan, who was widely known as J.P., died in

- ☒ (A) 1979
- (B) 1981
- (C) 1985
- (D) 1986

134. Energy Conservation Act was introduced in India since

- (A) 2000
- (B) 2001
- (C) 2003
- (D) 2005

135. On which river is the Tehri Dam built?

- (A) Godavari
- ☒ (B) Bhagirathi
- (C) Indus
- (D) Brahmaputra

136. Where has uber opened its first engineering hub in Asia?

- (A) New Delhi
- (B) Bengaluru
- (C) Kolkata
- ☒ (D) Pune

137. The largest oil spill so far was recorded from

- ☒ (A) Alaska
- (B) Gulf of Mexico
- (C) Persian Gulf
- (D) Arabian Sea

138. The Gulf of Mannar Biosphere Reserve was mainly created to protect

- (A) Coral reef
- (B) Sea horses
- (C) Sea cucumber
- ☒ (D) All of the above

139. Luke Aikins is a

- (A) Skydiver
- (B) Sprinter
- (C) Swimmer
- (D) None of the above

140. Water blooms are mostly caused by

- (A) cyanobacteria
- (B) diatoms
- (C) dinoflagellates
- (D) green algae

141. Basel convention is dated back to

- (A) 1978
- (B) 1982
- (C) 1985
- (D) 1989

142. CNG is the other name of

- (A) ethylene
- ☒ (B) ethane
- (C) methane
- (D) acetylene

143. When was the Imperial Bank of India nationalised to form the State Bank of India?

- (A) 1947
- (B) 1950
- (C) 1952
- ☒ (D) 1955

144. Sikkim became an Indian state in

- (A) 1973
- ☒ (B) 1975
- (C) 1979
- (D) 1981

145. The United Nations published the World Water Development Report in

- (A) 2005
- (B) 2007
- (C) 2009
- (D) 2011

146. Which state government in India has decided to launch a scheme named 'Green Passage' for Orphan Students for promotion of higher studies for them?

- (A) Bihar
- ☒ (B) Gujarat
- (C) Odisha
- (D) Uttar Pradesh

147. Project 'Mausam' launched by India in June 2014 was presented to an international audience at the 38th session of World Heritage Committee held at

- (A) Dubai
- (B) Abu Dhabi
- (C) Qatar
- (D) Oman

148. The conversion of mercury to methyl mercury is brought about by

- ☒ (A) cyanobacteria
- (B) Eubacteria
- (C) fungi
- (D) algae

149. The species which are extremely sensitive to the environment are also called

- ☒ (A) keystone species
- (B) sentinel species
- (C) endangered species
- (D) vulnerable species

150. The Constitution One Hundredth Amendment Act 2015 of India relates to

- (A) Land Boundary Agreement with Bangladesh
- (B) Free compulsory education for children from 6 to 14 years
- ☒ (C) Disqualification of members of a House on Defection
- (D) Legislative procedure

151. Rasy Periwinkle gives the drug for

- (A) malaria
- ☒ (B) blood cancer
- (C) hyper tension
- (D) anaemia

152. Man and Biosphere program was undertaken in

- (A) 1971
- (B) 1973
- (C) 1975
- (D) 1980

153. Silent Valley Movement took place in

- (A) Rajasthan
- (B) Uttarakhand
- ☒ (C) Kerala
- (D) Madhya Pradesh

154. The country with stable age pyramid is

- (A) China
- (B) Chile
- ☒ (C) Mexico
- (D) Germany

155. Who has been appointed as the Chairman of the 21st Law Commission in India in 2016?

- (A) Vivek Kumar
- (B) Balbir Singh Chauhan
- (C) Ramesh Negi
- (D) D. Srivastava

156. The extinction of Dinosaurs occurred approximately

- (A) 25 million years ago (mya)
- ☒ (B) 45 mya
- (C) 65 mya
- (D) 80 mya

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157. Which of the following is/are wrongly matched?
(A) Badruddin Ajmal — All India United Democratic Front
(B) Prafulla K. Mahanta — Assm Gana Parishad
(C) Ajit Singh — Bharatiya Janata Party
(D) Uddhav Thackeray — Shiv Sena
158. Bioplastic mostly is produced from
(A) bacteria
(B) algae
(C) fungi
(D) protozoa
159. Nepal's new Constitution against which Madhesi's are agitating was announced in
(A) 2012
(B) 2013
(C) 2014
(D) 2015
160. In which year did the Euro, the currency of the European Union, come into existence?
(A) 1999
(B) 2000
(C) 2003
(D) 2005
161. Arabori Model is representing
(A) Social forestry
(B) Joint forestry
(C) Sustainable forestry
(D) Farm forestry
162. Arktika is
(A) A project of India in the Arctic Ocean
(B) A nuclear icebreaker of Russia
(C) A rescue ship of USA
(D) None of the above
163. The direct and indirect water usage is called
(A) water indicator
(B) water usage
(C) water balance
(D) water footprint
164. Who is the new President of FIFA?
(A) Hong Martin
(B) Edwards Mike
(C) Sepp Blatter
(D) Gianni Infantino
165. The 2019 Asian Cup Games is to be hosted by
(A) India
(B) Ecuador
(C) United Arab Emirates
(D) Japan
166. Israel was elected as chair of following permanent committee of the U.N.:
(A) Economic and Financial Committee
(B) Legal Committee
(C) Social, Humanitarian and Cultural Committee
(D) Administrative and Budgetary Committee
167. The Saraswati Samman Award 2014 was received by
(A) Veerappa Moily
(B) Govind Mishra
(C) S. L. Bhyrappa
(D) Surjit Paatar
168. Which organization has released the Report titled 'Migration and Remittances Factbook 2016'?
(A) IMF
(B) World Bank
(C) OECD
(D) ADB

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169. The Jharana Khurd village suffered from the contamination of ground water with

- (A) arsenic
- (B) fluoride ✓
- (C) nickel
- (D) copper

170. In which state among the below mentioned states was the Rotavirus vaccination project first launched?

- (A) Madhya Pradesh
- (B) Himachal Pradesh
- (C) Bihar
- (D) Jharkhand

171. The following country is carbon negative in nature:

- (A) Nepal
- (B) India
- (C) Bhutan ✓
- (D) China

172. A severe cyclone in Richter scale has a value of

- (A) 4 – 4.9
- (B) 5 – 5.9
- (C) 6 – 6.9 ✓
- (D) 7 – 7.9

173. Average per capita municipal solid waste generated per day in India is up to

- (A) 100g
- (B) 200g
- (C) 300g
- (D) 500g

174. The Abyssal Zone is at a depth of

- (A) 1000-2000m
- (B) 2000-4000m
- (C) 4000-6000m
- (D) 6000-8000m

175. The Mangrove forest of India constitute what per cent of the total mangrove forest of the world?

- (A) 5%
- (B) 7%
- (C) 10%
- (D) 14%

176. The 2nd World Internet Conference 2015 was hosted by

- (A) Japan
- (B) USA
- (C) Germany ✓
- (D) China

177. The national animal of Bhutan is

- (A) Nilgai
- (B) Takin
- (C) Cow
- (D) Snow Leopard

178. SEBI stands for which of the following?

- (A) Science and Engineering Board of India
- (B) Securities and Exchange Board of India ✓
- (C) Social Equity Bureau of India
- (D) Science and Educational Board of India

179. On which date is World Tsunami Awareness day observed?

- (A) October 20
- (B) November 5
- (C) November 10
- (D) December 5

180. The country that produces highest amount of wind energy is

- (A) Netherlands
- (B) Sweden
- (C) Denmark ✓
- (D) Belgium

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181. Amnesty International Human Rights Award 2016 has been won by

- (A) Jawahar Mishra
- (B) Kalyan Singh
- (C) Henri Tiphagne
- (D) Martin Macwan

182. The Pradhan Mantri Ujjwala Yojana is a central government scheme in India to provide

- (A) affordable homes for all
- (B) free LPG connections to BPL families
- (C) crop insurance scheme
- ☒ (D) electrification of all villages

183. Kalundborg model is followed in

- ☒ (A) solid waste management
- (B) air pollution control
- (C) zero waste management
- (D) green technology

184. Who was the first chairperson of the National Human Rights Commission?

- (A) J. S. Verma
- (B) A. S. Anand
- ☒ (C) Ranganath Mishra
- (D) H. L. Dattu

185. Which of the following books is written by Shashi Tharoor?

- (A) Thoughts and Reflections
- (B) Beyond Survival
- ☒ (C) Standing Guard—a year in Opposition
- (D) India Shastra: Reflections on the nation in our time

186. Hydrogen from sea water was first introduced in

- (A) Spain
- (B) Italy
- (C) Finland
- (D) Iceland

187. The Headquarter of NATO is in

- (A) Brussels
- (B) Bonn
- ☒ (C) New York
- (D) Hague

188. In April, 2016 the Himachal Pradesh High Court issued notices to the union and State governments on issue of declaring which animal as vermin?

- (A) Monkey
- (B) Dog
- (C) Cat
- (D) Deer

189. Maximum water logging in the farmland is observed in

- (A) Italy
- (B) France
- (C) Pakistan
- ☒ (D) Egypt

190. Hubbert curve denotes

- ☒ (A) Global Biodiversity
- (B) Global Oil Production
- (C) Global Food Production
- (D) Global Forest Cover

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191. The first ecocity of the world was built in
(A) USA
(B) France
(C) Brazil
(D) UK
192. What is meant by disaster mitigation?
(A) Planning how to respond to a disaster
(B) Returning the community to normal conditions
(C) Taking immediate measures to save life and property
(D) Minimizing the possible effects of a disaster
193. Fly ash contains
(A) Si
(B) Al
(C) Fe
(D) All of the above
194. Zero waste management was first successfully implemented at
(A) Vellore
(B) Chennai
(C) Bangaluru
(D) Mysore
195. When, for the first time, was a 20 point economic programme announced by the Indian Prime Minister?
(A) 1971
(B) 1974
(C) 1975
(D) 1978
196. The 2015 Nobel Prize for Literature was won by
(A) Alice Munro
(B) Patrick Modiano
(C) Svetlana Alexievich
(D) Doris Lessing
197. Anti dumping of liquid waste was taken up in
(A) London
(B) Basel
(C) Geneva
(D) Bern
198. Which is not true about PANAMA expansion project?
(A) It is re-opened in June, 2016.
(B) It is third set of Lock's Project.
(C) The expansion trippled the Canal's Capacity.
(D) It connects the Atlantic Ocean with the Pacific Ocean.
199. Which one of the following is a natural disaster?
(A) Bhopal Gas tragedy
(B) Chernobyl accident
(C) Exxon Valdez spill
(D) Uttarakhand forest fire
200. The following is not a biosphere reserve in India:
(A) Gulf of Mannar
(B) Nanda Devi
(C) Bhitarkonika
(D) Sundarbans

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