

SUI(Prelim) – 2017 – Set – 3

GA

Time : 2 hours

Full Marks : 100

Each question carries 1 mark.

There is no negative marking for wrong answer.

Answer **all** questions, choosing the correct **one** from the alternatives suggested and darken the appropriate circle using **BLUE or BLACK BALL POINT PEN**.

1. Which of the following railway tunnels in India is the longest ?
 - (1) Berdewadi tunnel
 - (2) Karbude tunnel
 - (3) Natuwadi tunnel
 - (4) Pir Panjal tunnel
 - (5) Tike tunnel
2. Through four of the following towns in Odisha the Ranchi-Vijayawada corridor is going to pass. Identify the other town :
 - (1) Aska
 - (2) Baripada
 - (3) Deogarh
 - (4) Phulabani
 - (5) Rayagada
3. A one day cricket match between England and India, played at Lords, London, commences at 9.30 AM local time. At what time can its telecast be viewed in India ?
 - (1) 04.00 AM
 - (2) 09.30 AM
 - (3) 03.00 PM
 - (4) 04.00 PM
 - (5) 09.30 PM
4. A high tide occurred at Puri beach on the 15th October, 2018 at 11.20 AM. When should the next high tide occur again at the same place ?
 - (1) 05.33 PM on 15. 10. 18
 - (2) 11.20 PM on 15. 10. 18
 - (3) 11.46 PM on 15. 10. 18
 - (4) 11.20 PM on 16. 10. 18
 - (5) 11.52 PM on 16. 10. 18
5. With which of the following states of India, Odisha does not share its boundary ?
 - (1) Andhra Pradesh
 - (2) Bihar
 - (3) Chhattisgarh
 - (4) Jharkhand
 - (5) West Bengal

6. Which is the highest mountain peak in Odisha ?

- (1) The Deomali -
- (2) The Mahendragiri
- (3) The Malayagiri
- (4) The Mankarnacha
- (5) The Meghasini

7. Which of the following hill stations in South India is on the Shevaroy Hills and is hailed as the 'Jewel of the South' ?

- (1) Idukki (2) Kodaikanal -
- (3) Munnar (4) Ooty
- (5) Yercaud

8. Which of the following tributaries of the Mahanadi joins it on a bank different from the other four ?

- (1) The Hasdeo (2) The Ib -
- (3) The Jonk (4) The Mand
- (5) The Sheonath

9. Which of the following lakes in India is characteristically different from the other four in terms of its water quality ?

- (1) The Chilika -
- (2) The Pulicat
- (3) The Sambhar
- (4) The Vembanad
- (5) The Wular

10. Which area in India gets precipitation in a season different from the other four areas ?

- (1) The Kashmir Valley

- (2) The Konkan Coast
- (3) The Meghalaya Plateau
- (4) The Odisha Coastal Plain -
- (5) The Sundarban Delta

11. Which of the following hydro-electric projects in Odisha is located in a river basin different from the other four ?

- (1) The Balimela
- (2) The Machhakund -
- (3) The Rengali
- (4) The Upper Indravati
- (5) The Upper Kolab

12. Match the areas in Column – A with the local names of shifting cultivation in Column – B and select the correct set of answers from the table below :

Column – A

Column – B

- | | |
|---------------------|--------------|
| (a) Rajasthan(East) | (i) Jhum |
| (b) Odisha | (ii) Kumari |
| (c) Karnataka | (iii) Kuruwa |
| (d) Chhattisgarh | (iv) Penda |
| (e) Assam | (v) Podu |
| | (vi) Walra |

Answers	(a)	(b)	(c)	(d)	(e)
(1)	(ii)	(iii)	(iv)	(v)	(i)
(2)	(vi)	(ii)	(iii)	(i)	(iv)
(3)	(vi)	(v)	(ii)	(iv)	(iii)
(4)	(vi)	(v)	(ii)	(iv)	(i)
(5)	(v)	(iv)	(iii)	(ii)	(i)

13. Which Iron and Steel Plant in India had been using charcoal for smelting in the beginning ?
- (1) Bhadravati (2) Bumpur
(3) Jamshedpur - (4) Kulti
(5) Portonova
14. Choose the sea port in India which is different from the other four in terms of its location :
- (1) Cochin (2) Kandla
(3) Marmagao- (4) Panambur
(5) Tuticorin
15. Which National Highway (New number) in India connects Srinagar with Kanyakumari ?
- (1) NH 16 - (2) NH 27
(3) NH 30 (4) NH 44
(5) NH 45
16. Which of the following is the latest of the honours given to the famous Odia writer, Pratibha Roy ?
- (1) Chairman, Bharatiya Jnanpith Selection Board
(2) Member, Odisha Public Service Commission
(3) Moortidevi Award
(4) Odisha Living Legend Award
(5) Padmashri for Literature -
17. Who has received the Sahitya Akademy Award in Odia Literature in 2017 for the work 'Etavatira Shilpi' ?
- (1) Bibhuti Patnaik
(2) Bijay Mishra -
(3) Gayatri Saraf
(4) Gopal Rath
(5) Paramita Satpathy
18. Which of the following is the last of the novels written by the famous Odia writer, Kanhu Charan Mohanty before his death ?
- (1) Jaksha
(2) Lalatalikhana
(3) Melani Maguni -
(4) Pabani
(5) Tapasi
19. Which tribal people in Odisha draw ritualistic pictographs, specially portraying agricultural activities and nature, on the inner walls of their mud dwellings called 'Itlans' ?
- (1) Ho - (2) Juang
(3) Khond (4) Koya
(5) Saora
20. Which stone has been used in large scale for the stone carvings in the Konark Temple ?
- (1) Chlorite (2) Granite -
(3) Khandolite (4) Marble
(5) Soapstone

21. Which area in Odisha is famous for the lacquer craft ?
- (1) Boudh
 - (2) Deogarh -
 - (3) Nabarangpur
 - (4) Nuapara
 - (5) Rayagada
22. The pastoral Sambalpuri folk dance, Karma Naach, is popular among four of the following tribal groups. Identify the other tribal group :
- (1) Binjhal
 - (2) Kandha -
 - (3) Kharia
 - (4) Kisan
 - (5) Kol
23. Which of the following pairs of places in Odisha and the Shakti shrines located therein, is not correctly matched ?
- (1) Bhanjanagar – Patakhanda
 - (2) Jhankada – Sarala
 - (3) Kakatapur – Mangala
 - (4) Purusottampur – Tara Tarini -
 - (5) Sonapur – Sureswari
24. Raghurajpur craft village is well known for :
- (1) Applique work
 - (2) Dhokra craft
 - (3) Palm leaf art
 - (4) Pattachitra paintings -
 - (5) Wood carving
25. Who among the following was not a regular but acting President of India ?
- (1) B. D. Jatti
 - (2) Fakhruddin Ali Ahmed
 - (3) Giani Jail Singh -
 - (4) N. Sanjeeva Reddy
 - (5) R. Venkatraman
26. Which of the following Parliamentary Committees is not a Committee of 'Administrative Character' ?
- (1) Business Advisory Committee
 - (2) Committee on Absence of Members -
 - (3) Committee on Office of Profit
 - (4) Committee on Private Member's Bill
 - (5) Committee on Public Undertakings
27. In which of the following states was the Legislative Council abolished in 1985, but revived after twenty years ?
- (1) Andhra Pradesh
 - (2) Bihar
 - (3) Jammu and Kashmir
 - (4) Karnataka -
 - (5) Maharashtra

28. Who is currently the Chief Justice of the Supreme Court of India ?
- (1) Justice Arjan Kumar Sikri
 - (2) Justice Dipak Mishra
 - (3) Justice Kurian Joseph
 - (4) Justice Madan Lokur
 - (5) Justice Ranjan Gogoi -
29. Which of the following 'revolutions' is intended to maximize the productivity in the field of horticulture ?
- (1) Blue Revolution
 - (2) Golden Revolution
 - (3) Grey Revolution
 - (4) Pink Revolution -
 - (5) Yellow Revolution
30. The objective of which of the following financial institutions in India is to promote the small scale sector ?
- (1) IDBI
 - (2) IFCI
 - (3) IIBIL
 - (4) NABARD
 - (5) SIDBI -
31. Which of the following rates fixed by the Reserve Bank of India is also known as the 'Benchmark Interest Rate' ?
- (1) Bank rate
 - (2) Call rate
 - (3) Repo rate
 - (4) Reverse Repo rate -
 - (5) SLR rate
32. Which of the following types of taxes levied in India belongs exclusively to the states ?
- (1) Customs duty
 - (2) Corporation tax
 - (3) Excise duty
 - (4) Land revenue -
 - (5) Tax on Capital
33. Which of the following public sector insurance companies in India had never been a subsidiary of the General Insurance Corporation of India ?
- (1) Agricultural Insurance Company of India Ltd. -
 - (2) National Insurance Company Ltd.
 - (3) United India Insurance Company Ltd.
 - (4) The New India Assurance Company Ltd.
 - (5) The Oriental Insurance Company Ltd.
34. Which state in India ranks first in GRDP per capita as per the latest estimates ?
- (1) Delhi -
 - (2) Goa
 - (3) Haryana
 - (4) Puducherry
 - (5) Sikkim

35. In which state of India is the life expectancy the highest ?
- (1) Himachal Pradesh
 - (2) Kerala
 - (3) Maharashtra -
 - (4) Punjab
 - (5) Tamil Nadu
36. Which of the following words incorporated in the Preamble to the Indian Constitution implies that 'there is no room for hereditary ruler' ?
- (1) Democratic
 - (2) Secular
 - (3) Socialist
 - (4) Sovereign -
 - (5) Republic
37. The following features of the Indian Constitution have been borrowed from the Constitution of United Kingdom except one. Identify that solitary feature :
- (1) A Written Constitution
 - (2) Bicameral Parliament
 - (3) Cabinet System of Ministers
 - (4) President – the nominal head -
 - (5) Single citizenship
38. In which of the following cases in the Supreme Court of India was the "Basic Feature Theory" enumerated ?
- (1) Champakam Dorairajan Case
 - (2) Golakhnath Case
 - (3) Indra Sawhney Case
 - (4) Keshavanand Bharati Case -
 - (5) Minerva Mills Case
39. Which of the following languages was added to the Indian Constitution by an amendment different from the other four ?
- (1) Bodo
 - (2) Dogri
 - (3) Maithili
 - (4) Manipuri -
 - (5) Santhali
40. Which Article of the Indian Constitution is on 'Prohibition of traffic in human beings and forced labour' ?
- (1) Article 21
 - (2) Article 22
 - (3) Article 23 -
 - (4) Article 24
 - (5) Article 25
41. Who discovered 'nuclear fission' ?
- (1) Emil Fisher
 - (2) Ernest Rutherford -
 - (3) Otto Hahn
 - (4) Theodore Zincke
 - (5) William Ramsay

49. Which of the following is not the property of ammonia gas ?
- (1) It has a pungent smell
 - (2) It is a colourless gas
 - (3) It is corrosive in nature
 - (4) It is easily liquefied
 - (5) It is heavier than air
50. Four of the following are the constituents of photochemical smog. Identify the other one :
- (1) Carbon dioxide
 - (2) Nitrogen oxides
 - (3) Peroxyacetyl nitrate
 - (4) Tropospheric ozone
 - (5) Volatile organic compounds
51. Which among the following pairs of minerals and their ores is incorrectly matched ?
- (1) Aluminium – Bauxite
 - (2) Copper – Chalcopyrite
 - (3) Mercury – Cinnabar
 - (4) Tin – Cassiterite
 - (5) Zinc – Siderite
52. Which form of carbon is a good conductor of electricity ?
- (1) Amorphous carbon
 - (2) Buckyballs
 - (3) Diamond
 - (4) Graphite
 - (5) Lonsdaleite
53. The acceleration due to gravity (g) is maximum at :
- (1) 0° latitude
 - (2) 30° latitude
 - (3) 45° latitude
 - (4) 60° latitude
 - (5) 90° latitude
54. Which is the strongest of the forces acting in nature ?
- (1) Adhesive force
 - (2) Electromagnetic force
 - (3) Frictional force
 - (4) Gravitational force
 - (5) Nuclear force
55. Which of the following is not the correct property of the Gamma Rays ?
- (1) They are electromagnetic waves
 - (2) They are deflected by electric and magnetic field
 - (3) They are highly penetrating
 - (4) They can affect photographic plates
 - (5) They move with the velocity of light

56. The fundamental interval of which two temperature scales is the same ?
- (1) Celsius and Fahrenheit
 - (2) Celsius and Rankine -
 - (3) Fahrenheit and Kelvin
 - (4) Fahrenheit and Rankine
 - (5) Kelvin and Rankine
57. Some substances, when heated, change directly from solid state to gaseous state. This is a case of :
- (1) Boiling
 - (2) Freezing
 - (3) Melting
 - (4) Sublimation -
 - (5) Thawing
58. Atoms having the same atomic number but different atomic masses are called :
- (1) Isobars
 - (2) Isomers
 - (3) Isosters
 - (4) Isotones
 - (5) Isotopes -
59. Which of the following elements belongs to a group different from the other four ?
- (1) Benzene -
 - (2) Bromine
 - (3) Chlorine
 - (4) Fluorine
 - (5) Iodine
60. Which of the following is the main constituent of glass ?
- (1) Magnesium .
 - (2) Phosphorous
 - (3) Potassium -
 - (4) Silicon
 - (5) Sulphur
61. Which of the following is called the 'Master Gland' ?
- (1) Hypothalamus
 - (2) Pancreas
 - (3) Pituitary gland -
 - (4) Thymus gland
 - (5) Thyroid gland
62. Which of the following serves as the common passage for both air and food ?
- (1) Larynx -
 - (2) Lungs
 - (3) Nasal cavity
 - (4) Pharynx
 - (5) Trachea
63. Which branch of zoology studies about reptiles and amphibians ?
- (1) Entomology
 - (2) Ethology
 - (3) Herpetology
 - (4) Ichthyology -
 - (5) Mammalogy
64. Which of the following pairs of scientists and their credibilities is incorrectly matched ?
- (1) Edward Jenner - Smallpox Vaccine
 - (2) F. G. Hopkins - Discovery of Vitamins
 - (3) Filippo Pacini - Cholera Vaccine
 - (4) Louis Pasteur - Father of Microbiology
 - (5) Ronald Ross - Discovery of malarial parasite carrying mosquito -

65. Which of the following is hereditary blood disorder affecting hemoglobin ?
- (1) Anemia
 - (2) Hemophilia -
 - (3) Lymphoma
 - (4) Leukemia
 - (5) Thalassemia
66. Which of the following vitamins is also called 'riboflavin' ?
- (1) Vitamin B₁ -
 - (2) Vitamin B₂
 - (3) Vitamin B₆
 - (4) Vitamin B₉
 - (5) Vitamin B₁₂
67. In the human body the lymphocyte cells are formed in :
- (1) Appendix
 - (2) Liver
 - (3) Lungs
 - (4) Spleen -
 - (5) Stomach
68. Which of the following is a type of mammal different from the other four ?
- (1) Ape
 - (2) Bat -
 - (3) Deer
 - (4) Kangaroo
 - (5) Zebra
69. To which category of plants do the succulents belong ?
- (1) Halophytes
 - (2) Hydrophytes
 - (3) Hygrophytes -
 - (4) Mesophytes
 - (5) Xerophytes
70. Which of the following is **not** a green house gas ?
- (1) Carbon dioxide
 - (2) Carbon monoxide
 - (3) Nitrous oxide
 - (4) Ozone
 - (5) Water vapour -
71. Which of the following has been recognised by the 'International Union for Conservation of Nature (IUCN)' as a biodiversity hotspot in India ?
- (1) The North Western Himalayas
 - (2) The Satpura eco-region
 - (3) The Rann of Kutch
 - (4) The Sundarbans -
 - (5) The Western Ghats
72. In order to connect your computer to internet you need to have a :
- (1) Browser -
 - (2) Graphics card
 - (3) Modem
 - (4) Server
 - (5) Scanner

73. Who among the following has been nominated to receive the prestigious Nobel Prize for Peace this year, 2018 ?
- (1) Arthur Ashkin -
 - (2) Denis Mukwege
 - (3) Donna Strickland
 - (4) Frances Arnold
 - (5) George Smith
74. Which of the following Asia Cup, 2018 cricket matches was tied ?
- (1) Afghanistan vs. India -
 - (2) Afghanistan vs. Pakistan
 - (3) Bangladesh vs. Afghanistan
 - (4) India vs. Bangladesh
 - (5) Pakistan vs. Bangladesh
75. Who among the following awardees of the Dadasaheb Phalke Excellence Awards, 2018 has been honoured with the "Lifetime Achievement Award" ?
- (1) Akshay Kumar
 - (2) Rakesh Roshan -
 - (3) Sanjay Dutt
 - (4) Simi Garewal
 - (5) Zeenat Aman
76. The Parliamentary elections of which country has been held recently on the 20th October, 2018 ?
- (1) Afghanistan (2) Bangladesh
 - (3) Bhutan (4) Nepal
 - (5) Pakistan -
77. Which of the following Nuclear-capable missiles has been successfully test fired from Chandipur on the 6th October, 2018 ?
- (1) Agni - I (2) Agni - IV
 - (3) Akash (4) Prahar
 - (5) Prithvi - II -
78. The Metro Rail Project of which two cities has been recently approved by the Union Cabinet in October, 2018 ?
- (1) Bhopal and Indore
 - (2) Bhopal and Jabalpur
 - (3) Indore and Jabalpur
 - (4) Indore and Nagpur
 - (5) Nagpur and Bhopal -
79. The President of which of the following countries had paid a visit to India recently on the 4-5th October, 2018 ?
- (1) Federal Republic of Germany
 - (2) Republic of Korea -
 - (3) Republic of Seychelles
 - (4) Republic of Uzbekistan
 - (5) Russian Federation

88. By which King was the Gupta Kingdom enlarged enormously ?
(1) Chandragupta - I -
(2) Chandragupta - II
(3) Kumargupta - I
(4) Samudragupta
(5) Skandagupta
89. The hymns of which follower of the Bhakti Saint Ramanand finds place in the 'Guru Granth Sahib' ?
(1) Kabir - (2) Namadeva
(3) Ravidas (4) Sadhana
(5) Sena
90. Which of the following kingdoms was not within the alliance that fought with Sadasiva, the last ruler of Tuluva dynasty ?
(1) Ahmednagar (2) Berar -
(3) Bidar (4) Bijapur
(5) Golkonda
91. Who among the following Jat leaders had taken the Jat State to glory and is called the "Plato of the Jat tribe" ?
(1) Badan Singh
(2) Churaman
(3) Golda
(4) Rajaram
(5) Suraj Mal -
92. Where was Shivaji crowned by assuming the title 'Chhatrapati' ?
(1) Prataggad (2) Raigad -
(3) Shivneri (4) Sindhudurg
(5) Toma
93. Which of the following states was the first to be captured by Lord Dalhousie with the introduction of the 'Doctrine of Lapse' ?
(1) Jaipur (2) Jhansi -
(3) Sambalpur (4) Satara
(5) Udaipur
94. Which of the following socio-cultural organisations was started by Justice M. G. Ranade ?
(1) Adi Brahma Samaj
(2) Brahma Samaj of India
(3) Prarthana Sabha -
(4) Sangat Sabha
(5) Tattvabodhini Sabha
95. In which year was the First Census held in India ?
(1) 1851 - (2) 1861
(3) 1865 (4) 1871
(5) 1881

96. Which of the following pairs of conspiracy cases and their conspirators is incorrectly matched ?

- (1) Alipur Conspiracy Case – Khudiram Bose
- (2) Chittagong Armoury Case – Sachindra Nath Sanyal
- (3) Delhi Conspiracy Case – Rash Behari Bose
- (4) Lahore Conspiracy Case – Bhagat Singh
- (5) Meerut Conspiracy Case – Muzaffar Ahmed

97. The language of the 'Hathi Gumpha' inscriptions Ashoka's Edicts in the Dhauligiri hills, Odisha is :

- (1) Classical Sanskrit
- (2) Mitanni-Aryan
- (3) Pali (Prakrit) -
- (4) Udra (Old Odia)
- (5) Vedic Sanskrit

98. Which Fort was constructed by Langula Narasimha Deva to obstruct the entry of Turks into Odisha ?

- (1) Barabati
- (2) Chudanga Gada
- (3) Potagada
- (4) Raibania
- (5) Sisupalgarh

99. Who among the following led the Tribal Resistance Movement in Koraput during the British Rule ?

- (1) Chakra Bishoyee
- (2) Dhar Naik
- (3) Dora Bishoyee
- (4) Laxman Naik
- (5) Ratan Naik

100. Which ex-princely state was the first to be merged with the state of Odisha after independence ?

- (1) Bonai
- (2) Gangapur
- (3) Keonjhar
- (4) Nilagiri
- (5) Mayurbhanj

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80. The HDI ranking of which of the top ranking countries has gone down by one rank from the previous year as per the report released on the 14th September, 2018 ?
- (1) Australia (2) Germany
(3) Ireland (4) Norway -
(5) Switzerland
81. Which among the following has got the top spot as the largest Tech Company in the world this year, 2018 as per Forbes Global 2000 ranking ?
- (1) Alphabet (2) Apple
(3) IBM - (4) Intel
(5) Microsoft
82. Which out of the following states for which the Election Commission of India has scheduled dates for Legislative Assembly elections in 2018 shall have the election in two phases ?
- (1) Chhattisgarh -
(2) Madhya Pradesh
(3) Mizoram
(4) Rajasthan
(5) Telangana
83. Which has been the host nation of the 2018 Asian Games held during August-September 2018 ?
- (1) China (2) Indonesia -
(3) Iran (4) Japan
(5) South Korea -
84. The recent cyclone 'Titli' that hit the Odisha coast on 11th October, 2018 owes its name from :
- (1) Bangladesh (2) India
(3) Myanmar (4) Pakistan
(5) Thailand -
85. Which of the following honours given to Myanmar's famous leader Aung San Suu Kyi been withdrawn recently ?
- (1) Congressional Gold Medal by U.S.A.
(2) 'Doctor Honoris Causa' by Belgian Universities
(3) Honorary Citizenship of Canada
(4) Honorary Doctorate by University of Johannesburg
(5) Nobel Peace Prize -
86. Which of the following findings of Indus Valley Civilisation is of a site different from Mohenjo-daro ?
- (1) A bronze dancing girl
(2) A multi-pillared assembly hall
(3) A large granary
(4) Seven fire altars in a row -
(5) The Great Bath
87. According to Max Muller, which was the origin of the Aryans ?
- (1) Arctic region
(2) Bactria
(3) Central Asia -
(4) Tibet
(5) Turkistan

42. Which among the following instruments can measure voltage, current and resistance simultaneously?
- (1) Ammeter
 - (2) Galvanometer
 - (3) Multimeter
 - (4) Ohmmeter
 - (5) Voltmeter
43. Which instrument is used to measure temperature of the sun?
- (1) Campbell Stokes Recorder
 - (2) Pyrheliometer
 - (3) Pyranometer
 - (4) Pyrometer
 - (5) Seismometer
44. When the velocity of a body increases, it is called:
- (1) Drag
 - (2) Pressure
 - (3) Stress
 - (4) Thrust
 - (5) Torque
45. While filling petrol in the vehicle in a petrol pump one gets the smell of gasoline. This is a case of:
- (1) Advection
 - (2) Convection
 - (3) Diffusion
 - (4) Fusion
 - (5) Radiation
46. Select the appropriate word to fill in the blank in the following sentence:
The higher the _____, higher is the disorder and lower the availability of the system's energy to do useful work.
- (1) Entropy
 - (2) Mass
 - (3) Momentum
 - (4) Potential energy
 - (5) Temperature
47. Which of the following is commonly known as 'baking soda'?
- (1) Ammonium bicarbonate
 - (2) Calcium bicarbonate
 - (3) Magnesium bicarbonate
 - (4) Potassium bicarbonate
 - (5) Sodium bicarbonate
48. Four of the following are oxidising agents, while the other one is a reducing agent. Identify the reducing agent:
- (1) Chlorine
 - (2) Hydrogen peroxide
 - (3) Nascent hydrogen
 - (4) Ozone
 - (5) Sulphuric acid