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UKPSC AE
Previous Year Paper
GS 23 April 2022



- Lyman
Balmer
Paschen
- Resting mass of photon is :
 (a) ∞ (b) same as mass of electron
 (c) same as mass of Hydrogen atom (d) Zero
 - Out of the following series, which one is found in visible region ?
 (a) Balmer (b) Lyman (c) Paschen (d) Pfund
 - Common name of the Ascaris lumbricoides is :
 (a) Shipworm (b) Tape worm (c) Roundworm (d) Hook worm
 - The principal site for the absorption of digested food material is _____.
 (a) Duodenum (b) Ilium (c) Small Intestine (d) Large Intestine
 - Which of the following was the era of reptiles ?
 (a) Palaeozoic (b) Coenozoic (c) Mesozoic (d) Proterozoic
 - In a grassland eco-system termites occupy the trophic level of _____.
 (a) Producers (b) Primary consumers
 (c) Secondary consumers (d) Tertiary consumers
 - In which state of India 'Manas' sanctuary is located ?
 (a) Bihar (b) Assam (c) Gujarat (d) Odisha
 - Desert dwelling animals are called _____.
 (a) Xeric (b) Arboreal (c) Fossorial (d) Aquatic
 - Which among the following is referred as a "Living Fossil" ?
 (a) Balanus (b) Daphnia (c) Sarcoptes (d) Limulus
 - Resistance of a 100 Watt, 220 volt bulb is :
 (a) 550Ω (b) 500Ω (c) 625Ω (d) 484Ω

$R = \frac{V^2}{P} = \frac{220^2}{100} = 484 \Omega$
 - The SI unit of magnetic flux is :
 (a) Weber (b) Gauss (c) Amp./meter (d) Oersted

12. Length of plant increases by _____.

- (a) Dermatogen
(c) Apical Meristem

- (b) Lateral Meristem
(d) Vascular Cambium



13. Which part of Cinchona tree is used for preparation of antimalarial drug ?

- (a) Leafs (b) Root

- (c) Flower (d) Bark

14. Which of the following is a lightest metal ?

- (a) Lithium (b) Beryllium

- (c) Zinc (d) Sodium

15. Which one is the hardest form of carbon ?

- (a) Coke (b) Graphite

- (c) Diamond (d) Charcoal

16. Which is the noble gas, forming maximum number of compounds ?

- (a) Xenon (b) Neon

- (c) Helium (d) Argon

17. Chemical used to produce artificial rain is _____.

- (a) Silver chloride
(c) Silver bromide

- (b) Silver iodide
 (d) Silver nitrate



18. Major gaseous pollutant of the thermal power station is _____.

- (a) H_2S

- (b) NH_3

- (c) NO_2

- (d) SO_2

19. Polymer used to prepare bullet proof glass is _____.

- (a) Orlon

- (b) Nomex

- (c) Lexan

- (d) Kevlar

20. Which one of the following is a purine base ?

- (a) Thymine

- (b) Cytosine

- (c) Uracil

- (d) Guanine

21. Who coined the term 'Enzyme' for first time ?

- (a) Buchner

- (b) Sumner

- (c) Kuhne

- (d) Huxley

22. Stem cells which can differentiate into all cell lineages is _____.

- (a) Progenitor cell

- (b) Megakaryocyte

- (c) Adult stem cell

- (d) Embryonic stem cell

23. The density of water is maximum at _____.
(a) 100° C (b) +4° C (c) 0° C (d) -4° C
24. During First World War which of the following gas was used as a chemical weapon?
(a) Carbon monoxide (b) Hydrogen cyanide
(c) Phosgene (d) Mustard gas
25. Gayatri Mantra is related to _____.
(a) Savit (b) Agni (c) Vishnu (d) Indra
26. What was the ancient name of river 'Jhelum' ?
(a) Askini (b) Vipasa (c) Vitasta (d) Parushni
27. Which Sikh Guru started 'Masand' system ?
(a) Guru Amar Das (b) Guru Ram Das
(c) Guru Arjun Dev (d) None of these
28. The real name of 'Birbal' was _____.
(a) Sunder Das (b) Laxman Das (c) Mahesh Das (d) Keshav Das
29. Aurangzeb was proficient in playing which instrument ?
(a) Tabla (b) Sitar (c) Veena (d) Banjo
30. Who was the first English traveller to visit Jehangir's Court ?
(a) Captain Hawkins (b) Sir Thomas Roe
(c) Bernier (d) Jean Baptiste Tavernier
31. Who was the author of the 'Geeta Rahasya' ?
(a) Lala Lajpat Rai (b) Bal Gangadhar Tilak
(c) Gopal Krishna Gokhale (d) Mahatma Gandhi
32. Which of the following acid is present in Vinegar ?
(a) Lactic acid (b) Acetic acid (c) Tartaric acid (d) Malic acid
33. Self linking ability of Carbon atom is called _____.
(a) Catenation (b) Hydrogenation (c) Carbonation (d) Propagation

34. Which system was declared illegal in India by an Act of 1843 ?
 (a) Sati (b) Dowry (c) Slavery (d) Infanticide
35. 'Pabna Revolt of Bengal' (1873-76) was related to _____.
 (a) The peasants (b) The artisans
 (c) The forest regulations (d) The factory workers
36. Who among the following edited the newspaper "Rast Goftar" (Speaker of Truth) ?
 (a) Gopal Krishna Gokhale (b) Madan Mohan Malviya
 (c) M.G. Ranade (d) Dada Bhai Naoroji
37. Tusk of the elephant is a modified form of _____ teeth.
 (a) Upper incisor (b) Lower incisor (c) Upper molar (d) Upper Canine
38. In the absence of which one of the following vitamins blood clotting time is increased ?
 (a) K (b) D (c) E (d) C
39. Which of the following committee suggested the doubling of farmers income ?
 (a) Swaminathan Committee (b) Rangrajan Committee
 (c) Narsimham Committee (d) Ashok Dalwi Committee
40. Which one of the following Bank is not included in the amalgamation of three public sector banks ?
 (a) Bank of Baroda (b) Dena Bank
 (c) Vijaya Bank (d) Punjab National Bank
41. How many categories are there in MUDRA Yojana to provide loan for self-employment to entrepreneurs ?
 (a) Two (b) Three (c) Four (d) Five
42. Who introduced the "Vernacular Press Act (1878)" ?
 (a) Lord Ripon (b) Lord Dufferin (c) Lord Lytton (d) Lord Curzon
43. Who was the Commander of the army of the East India Company in the battle of Buxar ?
 (a) Robert Clive (b) Hector Munro (c) Warren Hastings (d) Admiral Watson

44. Who is the chairperson of 15th Finance Commission ?
 (a) N.K. Singh (b) Hasmukh Adia (c) R.S. Sharma (d) Rajeev Kumar
45. On which date G.S.T. was introduced in India ?
 (a) 01 July 2015 (b) 01 August 2016 (c) 01 July 2017 (d) 01 August 2017
46. How many crops are recommended by Agricultural Cost and Price Commission of India for minimum support price ?
 (a) 23 (b) 07 (c) 05 (d) 12 
47. Which of the following institution publishes "Ease of doing Business" – Report ?
 (a) International Monetary Fund (b) World Trade Organisation
 (c) World Bank (d) World Economic Forum
48. Which of the following device is used to connect two dissimilar networks ?
 (a) Hub (b) Bridge (c) Gateway (d) Repeater
49. A storage device in which recording is done by burning tiny pits on a circular disc is called _____.
 (a) Magnetic disc (b) Magnetic tape (c) Punched card (d) Optical disc
50. Which one of the following is a non-impact printer ?
 (a) Daisy wheel printer (b) Drum printer 
 (c) Laser printer (d) None of these
51. The process of playing audio and video in real time over the internet is called _____.
 (a) File sharing (b) Transferring (c) Streaming (d) Downloading
52. Who amongst the following is the biggest producer of Sunflower Oil in the world ?
 (a) Russia (b) Turkey (c) Ukraine (d) Argentina
53. Who amongst the following candidates won with the lowest victory margin during Uttarakhand Assembly Election 2022 ?
 (a) Kishore Upadhyay (b) Madan Singh Bisht
 (c) Sarwat Kareem Ansari (d) Harish Singh Dhama

54. Which is the sixth sign of the Zodiac ?

- (a) Leo (b) Capricorn (c) Taurus (d) Virgo

55. Who is the author of the book 'Kumaun Ka Itihas' ?

- (a) Govind Ballabh Pant (b) N.D. Tiwari
(c) Badri Datt Pande (d) Ilachandra Joshi



56. What is the period of 'Katuri dynasty' in parts of present Uttarakhand ?

- (a) 2500 BC to 700 AD (b) 1500 BC to 500 AD
(c) 1500 AD to 1800 AD (d) 2400 BC to 2000 BC

57. What is the title of the book written by Dr. Pati Ram ?

- (a) Garhwal-ancient and modern (b) History of Garhwal
(c) Nainital (d) Forest Flora

58. Bhowali Sanitorium of district Nainital was established in the year _____.

- (a) 1890 (b) 1912 (c) 1918 (d) 1921

59. Who was known as the "Chanakya of Kumaun" ?

- (a) K.C. Pant (b) Badri Datt Pande (c) Harshdev Joshi (d) None of these

60. 'Raji' tribe is mainly found in which district of Uttarakhand ?

- (a) Tehri Garhwal (b) Pauri Garhwal (c) Almora (d) Pithoragarh



61. The confluence of rivers Bhagirathi and Alaknanda takes place at which prayag ?

- (a) Nandprayag (b) Rudraprayag (c) Vishnuprayag (d) Devprayag

62. Which one among the following was not the capital of Parmar Kings of Garhwal ?

- (a) Chandpur Garhi (b) Tehri
(c) Kotdwar (d) Srinagar

63. Most of the fruits of Lemon (Citrus) family are rich source of which vitamin ?
(a) A (b) B (c) C (d) D
64. 'Valley of flowers' is located in which district ?
(a) Uttarkashi (b) Chamoli (c) Pauri Garhwal (d) Rudraprayag
65. In which State / U.T. the "Shalimar Garden" is located ?
(a) Kerala (b) Himachal Pradesh
(c) Jammu and Kashmir (d) Karnataka
66. Who was the first Chief Minister of Uttarakhand state ?
(a) Narayan Datt Tewari (b) Bhagat Singh Koshyari
(c) Bhuvan Chandra Khanduri (d) Nityanand Swami
67. In which year the first complete Census of India was made ?
(a) 1901 (b) 1891 (c) 1872 (d) 1881
68. What was the real name of "Shivani" the novelist ?
(a) Mrinal Pande (b) Gaura Pant (c) Uma Bhatt (d) None of these
69. Who was the first commissioner of the Kumaun division ?
(a) Sir Henry Ramsay (b) E. Gardner
(c) George William Traill (d) Denzil Ibbotson
70. Name the largest sized planet of our solar system.
(a) Saturn (b) Mercury (c) Jupiter (d) Venus

71. Pick the odd one out of the following :
- (a) Android (b) C (c) iOS (d) Symbian
72. Who is known as father of Internet ?
- (a) Charles Darwin (b) Tim Berners Lee
(c) Robert Caillieu (d) Vinton Cerf
73. Which of the following is not a transmission media ?
- (a) Telephone line (b) Coaxial cable
 (c) Microwave system (d) Modem
74. Host cities for 2016 and 2020 Olympic games, respectively were _____ and _____.
- (a) London and Rio-de Janeiro (b) Rio-de Janeiro and Tokyo
(c) Tokyo and Rio-de Janeiro (d) London and Tokyo
75. Who is the captain of Indian women's Hockey team at present ?
- (a) Rani Rampal (b) Vandana Kataria (c) Navjot Kaur (d) None of these
76. Which amongst the following is the polling station located at the highest altitude in Uttarakhand ?
- (a) Rudraprayag (b) Bhimtal (c) Gangotri (d) Kedarnath
77. Which amongst the following is not an award instituted by the Ministry of Women & Child Development, Government of India, for recognizing outstanding work in the fields of social and economic empowerment of women ?
- (a) Kannagi Devi Award (b) Devi Ahilya Bai Holkar Award
(c) Rani Rudramma Devi Award (d) Geeta Chopra Award
78. Identify the incorrect match :
- (a) NCERT – Hrushikesh Senapaty (b) ISRO – S. Somnath
(c) DRDO – G. Satheesh Reddy (d) UGC – M. Jagdish Kumar
79. To copy data from clipboard into a document is called _____.
- (a) Move (b) Copy (c) Paste (d) None of these
80. The Brain of the computer known as
- (a) ALU (b) MU (c) CPU (d) I/O

part 1 → 100
part 11 → 100
part 111 → 100
DBSP

81. Which part of the Constitution of India makes provisions for Directive Principles of State Policy ?
(a) Part III (b) Part IV (c) Part IV A (d) Part V
82. Name the girl who became "Miss Universe" – in 2021?
(a) Urvashi Rautela (b) Manushi Chhibber
(c) Sana Dua (d) Harnaaz Kaur Sandhu
83. On what date the birth anniversary of Sardar Vallabh Bhai Patel is celebrated as "Rashtriya Ekta Diwas" ?
(a) 29th October (b) 30th October (c) 31st October (d) 01st November
84. One Belt One Road (OBOR) is being constructed by which country ?
(a) India (b) Pakistan (c) Bangladesh (d) China
85. In which state of Pakistan 'Gwadar – port' is situated ?
(a) Sindh (b) Punjab (c) Baluchistan (d) Pakhtunkhwa
86. Which State Government will give lifetime monthly pension to Hindi Satyagrahis ?
(a) Uttar Pradesh (b) Madhya Pradesh (c) Haryana (d) Rajasthan
87. Who amongst the following Tennis players has won the most number of Grand Slam titles ?
(a) Leander Paes (b) Rafael Nadal (c) Pete Sampras (d) Andre Agassi
88. On which date the "Constitution Day" is celebrated in India ?
 (a) November 26 (b) November 27 (c) January 26 (d) August 15
89. "Hornbill" is an annual cultural festival of _____.
(a) Nagaland (b) Pune (c) Goa (d) Jaipur
90. Who amongst the following Indian freedom fighter is popularly known as the 'Daughter of the Hills' ?
 (a) Rani Gaidinliu Zeliang (b) Uma Bai
(c) Uda Devi (d) Basanti Devi

91. Which of the following two words were added to the Preamble of the Constitution of India, by the 42nd Constitutional Amendment Act ?
- (a) Socialist and Equality ~~(b)~~ Fraternity and Secular 
 (c) Socialist and Secular (d) Sovereign and Republic
92. How many members are elected to Public Accounts Committee from the Lok Sabha ?
- (a) Fifteen (b) Twelve (c) Twenty (d) Twenty two
93. How many subjects are mentioned in the 11th Schedule of the Constitution of India ?
- (a) 27 (b) 28 (c) 29 (d) 30
94. The Indian Citizenship Act was passed in the year _____.
- (a) 1952 (b) 1953 (c) 1954 (d) 1955
95. In which year the Election Commission of India became a multimember body ?
- (a) 1989 (b) 1990 (c) 1991 (d) 1992
96. In MKS system, the unit of Planck's constant is :
- (a) Joules/sec. (b) erg/sec. (c) erg-sec² (d) Joule - sec.
97. Power factor of LCR circuit under resonance condition is :
- (a) 1 (b) $\frac{1}{\sqrt{2}}$ (c) $\frac{1}{2}$ (d) Zero
98. 1.6 mA current is flowing through a copper wire. How many electrons will pass per second through any point ?
- (a) 10^8 (b) 10^{16} (c) 10^6 (d) 10^{19} 
99. Who among the following was not a member of the first cabinet of the Independent India ?
- (a) Maulana Abul Kalam Azad ~~(b)~~ Rafi Ahmad Kidwai
 (c) Liyaqat Ali Khan (d) Dr. Shyama Prasad Mukherjee
100. Under which Article of the Constitution of India, the President can seek advice from the Supreme Court of India ?
- (a) Article - 123 (b) Article - 143 (c) Article - 352 (d) Article - 356