

GOVERNMENT MUSEUM AND ART GALLERY U.T. CHANDIGARH

POST: Projectionist

Question Booklet & Answer Key

19.08.2023 (MORNING)

1. 'ऋत - ऋतु' शब्द - युग्म से क्या अर्थ भेद है:
A) कठोर - मौसम B) मिथ्या - मौसम C) असत्य - मौसम D) सत्य - मौसम
2. संज्ञा की व्याप्ति किससे मर्यादित होती है:
A) सर्वनाम B) क्रिया C) विशेषण D) समास
3. निम्नालिखित में से कौन सा शब्द पुल्लिङ्ग है:
A) साँकल B) सभा C) व्याख्यान D) दक्षिणा
4. सन्धि कितने प्रकार की होती है:
A) दो B) तीन C) चार D) पाँच
5. 'विधि' का सही विलोम क्या है:
A) निषेध B) कानून C) कर्म D) नास्तिक
6. आवश्यकता से अधिक धन - सम्पत्ति एकत्र न करना - वाक्यांश के लिए एक शब्द लिखें:
A) कृपणता B) अपरिग्रह C) सदाचार D) अस्तेय
7. 'वह घर से बाहर गया' - इस वाक्य में 'से' कौन - सा कारक है:
A) कर्ता B) कर्म C) करण D) अपादान
8. विधान करने वाले शब्दों की विशेषता बतलाने वाला शब्द किसे कहते हैं:
A) संज्ञा B) सर्वनाम C) विशेषण D) क्रिया - विशेषण
9. अनुनासिक व्यंजन कौन - से होते हैं:
A) वर्ग के प्रथमाक्षर B) वर्ग का तृतीयाक्षर C) वर्ग का चौथा व्यंजन D) वर्ग का पंचमाक्षर
10. वर्तनी की दृष्टि से कौन - सा शब्द सही है:
A) संन्यासी B) सनयासी C) सन्यासी D) संनयासी

Directions (Q.11-13): Choose the correct synonyms of the following words out of the four given options:

11. Drudgery
A) Toil B) Bright C) Brittle D) Clear
12. Collate
A) Criticize B) Cruel C) Gather D) Callous
13. Sporadic
A) Occasion B) Occasional C) Occult D) Overt

Directions (Q.14 -15): Select the correct sentence out of four options given below:

14. A) I shall call in your place. B) I shall call into your place.
C) I shall call on your place. D) I shall call at your place.
15. A) He fell the tree. B) He felled the tree.
C) He cut on the tree. D) He cutted the tree.

Directions (Q. 16-17): Identify the word that is spelt correctly.

16. A) Amature B) Amateur C) Amachure D) Amatuer
17. A) Conscientous B) Concientous C) Consientous D) Conscientious

Directions (Q.18-20): Choose the correct preposition, out of four options, to be filled in the blanks of the following sentences:

18. Murthy met _____ an accident yesterday.
A) with B) in C) at D) upon
19. Salil should try to bring Sita round _____ his views.
A) with B) to C) about D) upon
20. Do you know that this road leads _____ Delhi?
A) in B) from C) to D) upon

Directions (Q. 21-23): Mark out of the four given choices, the correct meaning of the italicized idioms/ phrases:

21. *to carry weight*
 A) to carry burden B) to be burdensome C) to be ineffective D) to be effective
22. *to draw in one's horns*
 A) to praise oneself B) become less assertive
 C) to show one's aggressiveness D) to hurt oneself
23. *to bring the house down*
 A) to get defeated B) to defeat one's rivals
 C) to make an audience respond with great enthusiasm D) to injure others

Directions (Q. 24-26): Mark the underlined part, out of four options, that has an error.

24. Many a man have done so.
 A) B) C) D)
25. No less than fifty students were injured in the stampede.
 A) B) C) D)
26. Shantanu and I discussed about the matter yesterday.
 A) B) C) D)

Directions (Q. 27-29): Choose the correct opposite word out of the four options:

27. Insolent
 A) Solvent B) Rude C) Polite D) Tough
28. Menacing
 A) Attraction B) Dark C) Threatening D) Auspicious
29. Perpetual
 A) Transitory B) Contempt C) Practical D) Beautiful
30. Choose the correct form of the following words as the given part of the speech out of given options: **Above as noun**
 A) Our blessings come from above B) The heavens are above
 C) The moral law is above the civil D) Analyse the above sentence
31. As per World Press Freedom Index 2023, India's rank among 180 nations is:
 A) 151 B) 157 C) 161 D) 167
32. The First Indian Sound film was:
 A) Kisan Kanya B) Alam Ara C) Mother India D) Raja Harish Chandra
33. When did and against which country India recorded its first Test Cricket Victory:
 A) 1952, against England B) 1952, against Pakistan
 C) 1953, against New Zealand D) 1955, against Australia
34. Which Indian artist decorated the handwritten copy of the constitution?
 A) Nandalal Bose B) Mihir Sen C) S.N. Banerji D) Mukesh Bhandopathyaya
35. Which one of the given sets of legislative assemblies has more than 100 seats?
 (i) Jharkhand Legislative Assembly (ii) Chhattisgarh Legislative Assembly
 (iii) Punjab Legislative Assembly (iv) Telangana Legislative Assembly
 A) (i) and (ii) B) (ii) and (iii) C) (iii) and (iv) D) (ii), (iii) and (iv)
36. Which one of the following points is said to be the lowest point in India?
 A) Kadapa B) Kakinada C) Kurnool D) Kuttanad
37. 'Zero mile centre' in India is in
 A) Jhansi B) Bhopal C) Nagpur D) Raipur
38. Which one of the following provides for the complete equality of men and women in India?
 A) Article 14 and 15 of Constitution of India B) Fifth Schedule of Constitution of India
 C) The Indian Independence Act D) Article 20 of the Constitution of India

39. Superconductivity is a material property associated with :
 A) cooling a substance without a phase change B) frictionless liquid flow
 C) a loss of thermal resistance D) a loss of electrical resistance
40. Green Muffler is :
 A) a technology for reducing air pollution B) a method of afforestation
 C) plantation along roadsides to reduce noise pollution D) a process to reduce vibration
41. Who won the Nobel Prize "for the discovery that black hole formation is a robust prediction of the general theory of relativity"?
 A) Andrea Ghez B) Reinhard Genzel C) Robert B. Wilson D) Roger Penrose
42. Who is said to be the founding father of "drone" technology?
 A) Starkweather B) Ralph Baer C) Martin Cooper D) Abraham Karem
43. When Sulphur Dioxide increases in atmosphere, the most suitable pollution indicators are :
 A) algae B) algae & ferns C) fungi D) moss & lichens
44. When is Ganesh Chaturthi celebrated as per Indian national calendar ?
 A) Bhadrapada Shukla Chaturthi B) Shraavana Shukla Chaturthi
 C) Ashvin Shukla Chaturthi D) Kaartik Shukla Chaturthi
45. Name the Indian sage who proposed the Atomic Theory.
 A) Aryabhatta B) Bhaskaracharya C) Kanad D) Nagarjuna
46. Which of the following is the State tree of Chandigarh?
 A) Peepal B) Mango C) Shisham D) Palash
47. Theme of World Earth Day 2023
 A) Invest in our Planet B) Restore our Earth
 C) Give a breath to a mother Earth D) Keep the earth Clean and Green
48. Recently the Australian Prime Minister was presented Pithora wall-painting made by the Rathwa artisans from :
 A) Bharuch B) Chhota Udaipur C) Kachchh D) Patan
49. When was National Supercomputing Mission launched?
 A) 2015 B) 2017 C) 2019 D) 2021
50. 'Nothing Like Voting, I Vote for Sure' was the theme of :
 A) 12th National Voters' Day B) 13th National Voters' Day
 C) 14th National Voters' Day D) 15th National Voters' Day
51. On whom Padma Vibhushan was conferred recently?
 A) Mulayam Singh Yadav (Posthumous) B) Kumar Mangalam Birla
 C) Sudha Murty D) Rakesh Jhunjhunwala (Posthumous)
52. Where the next Summer Olympics Games are scheduled to be held?
 A) Seoul in 2023 B) Paris in 2024 C) Sochi in 2023 D) Tokyo in 2024
53. Which of the following is the best conductor of electricity?
 A) Ordinary water B) Sea water C) Boiled water D) Distilled water
54. The gas used to extinguish fire, is
 A) neon B) nitrogen C) carbon dioxide D) carbon monoxide
55. The technique used to transmit audio signals in television broadcasts is
 A) Amplitude Modulation B) Frequency Modulation
 C) Pulse Code Modulation D) Time Division Multiplexing
56. The organ in the body which accumulates iodine is
 A) Pituitary gland B) Thymus C) Thyroid Gland D) Spleen
57. Food is mainly digested in
 A) Liver B) Large Intestine C) Small Intestine D) Mouth

58. The deficiency of which vitamin causes anaemia?
 A) Vitamin B1 B) Vitamin B12 C) Vitamin 6 D) Vitamin D
59. The gas which had leaked out of Union Carbide factory in Bhopal was
 A) methyl isocyanate B) chlorine C) carbon monoxide D) sulphur dioxide
60. The first Europeans to come to India were
 A) British B) Dutch C) French D) Portuguese
61. Which of the following statement(s) is/are true with regard to word processing software?
 P: Word Art is set of images provided by Microsoft office, which can be used in the document.
 Q: Clip Art is stylish text styles provided by Microsoft office.
 Choose the correct answer from the following:
 A) P only B) Q only C) Both P and Q D) Neither P nor Q
62. What are the advantages of using cloud computing Word Processing software?
 X: The user does not have to install word processing software on the computer
 Y: The user does not have to allocate space to install software in the hard disk
 Z: To save the document, Internet itself provides facilities for space. The user can open or edit the document from any computer which has Internet facility.
 A) X and Y only B) X and Z only C) Y and Z only D) All X, Y and Z
63. A Trojan Horse refers to
 A) Using of a large financial system to squirrel away small amounts of money.
 B) Changing data before or as it enters the system.
 C) Placing illegal instructions in the middle of a legitimate program.
 D) Using another person's identification code.
64. The value of the cell containing the formula =SUMIF(A1:A6, ">50", B1:B6) in the following Excel worksheet is:

	A	B	C
1	45	35	
2	30	85	
3	75	10	
4	15	55	
5	25	20	
6	65	15	
7			

- A) 45 B) 195 C) 25 D) 210
65. The transmission time required for sending a 512-Byte packet using a 56 kbps modem is:
 A) about 7 milliseconds B) about 40 milliseconds
 C) about 70 milliseconds D) about 90 milliseconds
66. Microsoft Office PowerPoint comes with several categories of built-in transition effects. Which of the following is not a type of transition effect supported by Microsoft PowerPoint?
 A) Subtle B) Speed C) Exciting D) Dynamic content
67. In MS-EXCEL, a formula =B\$1 + C\$3 + 5 in a cell D9 when copied to F12 will get the formula changed to _____.
 A) =D1 + E3 +5 B) =B\$2 +C\$4+5 C) =C\$1+D\$3+5 D) =D\$1+E\$3 +5
68. To record voice narration for your Microsoft PowerPoint presentation, your computer must have:
 A) An Internet connection. B) Speakers.
 C) A microphone and sound card. D) An external video port.
69. ChatGPT is an AI chatbot developed by OpenAI and launched in November 2022. What does chatGPT stand for?
 A) Chat Global Pre-trained Transmission B) Chat General Pre-trained Technology
 C) Chat Generalized Pre-trained Technique D) Chat Generative Pre-Trained Transformer
70. Which of the following lists memory types from highest to lowest speed?
 A) secondary storage, main memory, L2 cache, registers
 B) registers, L1 cache, secondary storage, main memory
 C) registers, L2 cache, main memory, secondary storage
 D) L1 cache, registers, main memory, secondary storage

71. Feature Film
A) any film at least one hour long that people pay to see
B) documentary
C) advertorial
D) none of the above
72. Lenses are usually coated with
A) magnesium fluoride
B) sodium fluoride
C) zinc fluorite
D) none of these
73. The horizontal movement of the camera is called _____
A) tilting
B) zooming
C) panning
D) dollying
74. A continuous view filmed by one camera without interruption
A) camera angle
B) shot
C) aerial shot
D) none of the above
75. An objective camera angle is referred to _____
A) high angle
B) low angle
C) zoom – in angle
D) audience point of view
76. Amount of light that falls in to the sensor of the camera
A) exposure
B) white balance
C) depth of field
D) three point lighting
77. High angle shot indicates that the camera is positioned _____ the subject
A) below
B) above
C) at the eye level
D) opposite
78. What temperature should colour film be developed at?
A) 95 degrees Celsius
B) 100 degrees Celsius
C) 105 degrees Celsius
D) none of these
79. In TV interview double look means _____
A) the gaze of the interviewer towards interviewed
B) looking only at the person being interviewed
C) looking at both the interviewer and camera lens
D) none of the above
80. Photography is
A) An art
B) A science
C) Both art and science
D) None of these
81. Which of the following is not a dark room equipment?
A) Enlarger
B) Safe light
C) Developer tank
D) Tripod
82. Exposure meter is used to measure
A) Amount of light
B) Color of light
C) Hardness of light
D) Speed of light
83. In B & W photography, the subject appears in the camera viewfinder in
A) Color
B) Grey scale
C) B & W
D) None of these
84. For Architectural photography we use
A) Tele lens
B) Wide angle lens
C) Normal lens
D) Close up lens
85. Orthochromatic photographic material is not sensitive to
A) Blue light
B) Green light
C) Blue and Green light
D) Red light
86. Who is the father of Indian Cinematography:
A) DadaSaheb Phalke
B) V. Shanta Ram
C) Satyajit Ray
D) Mrinal Sen
87. A ball is projected upwards. As it rises, there is increase in its:
A) kinetic energy
B) potential energy
C) momentum
D) retardation
88. A simple pendulum hangs from the roof of train. The string is inclined towards rear of the train. What is the nature of motion of the train?
A) Accelerated
B) retarded
C) uniform
D) at rest
89. In which of the following cases the net force is not zero?
A) A cork floating on the surface of water
B) An aeroplane rising upwards at an angle of 45° with the horizontal with a constant speed
C) A ball freely falling from a height
D) A kite skilfully held stationary in the sky

90. In the case of horse pulling a cart, the force that causes the horse to move forward is the force that:
- A) The ground exerts on the horse B) The horse exerts on the cart
C) The cart exerts on the horse D) The horse exerts on the ground
91. A bullet is fired into a block. Its momentum decreases by 50% when it penetrates through 9 cm. What will be the total distance penetrated by the bullet?
- A) 18 cm B) 10 cm C) 15 cm D) 12 cm
92. The angular acceleration of a particle moving along a circular path with constant speed is:
- A) uniform B) zero C) variable D) infinite
93. The gravitational effect of which of the following causes tidal waves in the sea?
- A) Sun B) Earth C) Jupiter D) Moon
94. Stars are twinkling due to:
- A) reflection B) refraction C) scattering D) diffraction
95. Steel is preferred for making springs over copper. Why?
- A) Steel is less likely to be oxidized
B) Steel is cheaper
C) Young's modulus of copper is more than that of steel
D) Young's modulus of steel is more than that of copper
96. An iron ball is dropped in a long jar containing castor oil. How will it move?
- A) It will float in the oil
B) It will ultimately acquire a constant velocity
C) It will fall with a constant acceleration equal to that of gravity
D) It will fall with a constant acceleration slightly less than that due to gravity
97. Which of the following properties helps in soldering?
- A) Elasticity B) Viscosity C) Surface tension D) Friction
98. The escape velocity at the surface of the earth is nearly:
- A) 7.8 km/s B) 11.2 m/s C) 9.8 m/s D) 4.2 km/s
99. What is the number of degrees of freedom of an oscillating simple pendulum?
- A) Four B) Three C) Two D) One
100. When a longitudinal wave passing through air, the instantaneous acceleration of the particle is proportional to its:
- A) Displacement B) Frequency C) Velocity D) Time period

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Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	D	26	B	51	A	76	A
2	C	27	C	52	B	77	B
3	C	28	D	53	B	78	B
4	B	29	A	54	C	79	C
5	A	30	A	55	C	80	C
6	B	31	C	56	C	81	D
7	D	32	B	57	C	82	A
8	D	33	A	58	B	83	A
9	D	34	A	59	A	84	B
10	A	35	C	60	D	85	D
11	A	36	D	61	D	86	A
12	C	37	C	62	D	87	B
13	B	38	A	63	C	88	A
14	D	39	D	64	C	89	C
15	B	40	C	65	C	90	A
16	B	41	D	66	B	91	D
17	D	42	D	67	D	92	B
18	A	43	D	68	C	93	D
19	B	44	A	69	D	94	B
20	C	45	C	70	C	95	D
21	D	46	B	71	A	96	B
22	B	47	A	72	A	97	C
23	C	48	B	73	C	98	B
24	C	49	A	74	B	99	C
25	A	50	B	75	D	100	A