

**ENTRANCE TEST-2022****SCHOOL OF SOCIAL SCIENCES****LIBRARY AND INFORMATION SCIENCE**

Question Booklet Series

**A**

Total Questions : 60

Time Allowed : 70 Minutes

Roll No. :

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**Instructions for Candidates :**

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14. At the end of the examination, hand over the OMR Answer Sheet to the invigilator who will first tear off the original OMR sheet in presence of the Candidate and hand over the Candidate's Copy to the candidate.

1. Who coined the word enzyme ?
  - (A) Wilhelm Kuhne
  - (B) Alfred Russel
  - (C) Robert Koch
  - (D) Rosalind Franklin
2. "Education is the manifestation of perfection already in man" was stated by :
  - (A) M.K. Gandhi
  - (B) R.N. Tagore
  - (C) Swami Vivekanand
  - (D) Sri Aurobindo
3. Copyrights and patents are :
  - (A) Current assets
  - (B) Fixed assets
  - (C) Intangible assets
  - (D) Investments
4. Book with title *You Are Born to Blossom* is written by :
  - (A) A.P.J. Abdul Kalam
  - (B) Mrs. Indra Gandhi
  - (C) Mualana Abdul Kalam Azad
  - (D) None of the above
5. Who is considered the father of Macroeconomics ?
  - (A) Adam Smith
  - (B) J.M. Keyens
  - (C) Friedrich Hayek
  - (D) Milton Friedman
6. The maximum strength of Lok Sabah can be :
  - (A) 500
  - (B) 552
  - (C) 250
  - (D) 240
7. Who is known as the father of taxonomy ?
  - (A) Aristotle
  - (B) Fransco Redi
  - (C) Carolus Linnaeus
  - (D) Rachel Carson
8. The National Digital Library of India is developed by :
  - (A) Indian Institute of Technology, Kharagpur
  - (B) National Institute of Technology, Srinagar
  - (C) Indian Institute of Management, Ahmedabad
  - (D) Indian Institute of Science, Bengaluru
9. The headquarter of UNICEF is located in :
  - (A) New York
  - (B) Paris
  - (C) Geneva
  - (D) Brussels
10. Dr. A.P.J. Abdul Kalam was the \_\_\_\_\_ President of India.
  - (A) 9<sup>th</sup>
  - (B) 10<sup>th</sup>
  - (C) 11<sup>th</sup>
  - (D) 12<sup>th</sup>
11. Smallest unit of the information is \_\_\_\_\_.
  - (A) A bit
  - (B) A byte
  - (C) A block
  - (D) A nibble
12. Library of Congress is the National Library of :
  - (A) UK
  - (B) USA
  - (C) Russia
  - (D) India

13. What is the process of conversion of solid state directly to gaseous state called ?
- (A) Distillation  
(B) Condensation  
(C) Sublimation  
(D) Evaporation
14. Which one of the following is not a type of coal ?
- (A) Lignite  
(B) Siderite  
(C) Anthracite  
(D) Peat
15. Space Applications Centre and Physical Research Laboratory function under the aegis of which Institution ?
- (A) DRDO  
(B) ISRO  
(C) CSIR  
(D) BARC
16. Present Director-General of WHO is :
- (A) Tedros Adhanom Ghebreyesus  
(B) Lee Jong-wook  
(C) Margaret Chan  
(D) Halfdan T. Mahler
17. The Thar Desert, also known as the Great Indian Desert is about \_\_\_\_\_ of the total geographic area of India.
- (A) 3.55%  
(B) 4.56%  
(C) 6.7%  
(D) 7%
18. The Indian Council of Historical Research (ICHR) is an autonomous body under which Union Ministry ?
- (A) Ministry of Culture  
(B) Ministry of External Affairs  
(C) Ministry of Education  
(D) Ministry of Tourism
19. Due to which of the following phenomena, the coloured glass appears white when crushed into fine powder ?
- (A) Total Internal Reflection  
(B) Diffraction  
(C) Scattering  
(D) Refraction
20. Who is the founder of the "Individual Psychology" ?
- (A) Alfred Adler  
(B) Alfred Binet  
(C) David Hull  
(D) None of the above
21. Long term assets without any physical existence but, possessing a value are called :
- (A) Intangible assets  
(B) Fixed assets  
(C) Current assets  
(D) Investments
22. People resist change in organization because of \_\_\_\_\_.
- (A) Fear of unemployment  
(B) Increase in responsibility  
(C) Need for new social adjustments  
(D) All the above

23. What does the "19" in "COVID-19" refer to ?
- (A) The coronavirus and the disease it causes were identified in 2019
- (B) There are 19 variants of the coronavirus
- (C) There are 19 symptoms of coronavirus disease
- (D) This is the 19<sup>th</sup> coronavirus pandemic
24. The sum of three consecutive multiples of 5 is 285. Find the largest number :
- (A) 100
- (B) 120
- (C) 130
- (D) 140
25. One Gigabyte is equal to \_\_\_\_\_.
- (A) 1024 bits
- (B) 1032 megabytes
- (C) 1024 kilobytes
- (D) 1024 megabytes
26. Water : Dam :: Trade : \_\_\_\_\_.
- (A) Commerce
- (B) Economy
- (C) Goods
- (D) Trade Policy
27. HDL is synthesized and secreted from :
- (A) Pancreas
- (B) Liver
- (C) Kidney
- (D) Muscle
28. Which bacterium is used in the production of insulin by genetic engineering ?
- (A) Saccharomyces
- (B) Rhizobium
- (C) Escherichia
- (D) Mycobacterium
29. Education is called a triangular process. Which are the three sides of the triangle ?
- (A) School, Knowledge and Teacher
- (B) Books, School and Teacher
- (C) Social Environment, Teacher and Students
- (D) None of these
30. The term 'Monsoon' is originated from which language ?
- (A) Spanish
- (B) English
- (C) Arabic
- (D) Hindi
31. He is very good \_\_\_\_\_ making stories.
- (A) in
- (B) at
- (C) for
- (D) about
32. Library is a trinity of :
- (A) Books, Staff and Users
- (B) Books, Buildings and Users
- (C) Books, Bricks and Machines
- (D) None of these
33. List of Documents in a library arranged systematically :
- (A) Index
- (B) Catalogue
- (C) Bibliography
- (D) None of these
34. Alta Vista is a :
- (A) Computer Virus
- (B) Search Engine
- (C) Software
- (D) None of these

35. The book with title "Aakhiri Tohfa" is written by :
- (A) Munshi Amirullah Tasleem  
 (B) Munshi Sajjad Hussain  
 (C) Munshi Premchand  
 (D) Munshi Naubat Rai Nazar Lakhnavi
36. If you study hard, you \_\_\_\_\_ good grades in exams.
- (A) will get  
 (B) would get  
 (C) got  
 (D) will be getting
37. The currency of Myanmar is :
- (A) Metical  
 (B) Kyat  
 (C) Ouguiya  
 (D) Tugrik
38. Who among the following wrote in Persian Language ?
- (A) Shiekh Noor-U-din Wali  
 (B) Lalded  
 (C) Mehjoor  
 (D) Gani Kashmiri
39. A virus such as influenza which emerges suddenly and spreads globally is called :
- (A) Epidemic  
 (B) Pandemic  
 (C) Endemic  
 (D) None of these
40. What is a fomite ?
- (A) A hospital – grade disinfectant  
 (B) A contaminated surface or object  
 (C) An immunity – boosting supplement  
 (D) None of these
41. Job evaluation is used for :
- (A) Study of progress of production  
 (B) Study of job composition  
 (C) Determining wage rate differentials  
 (D) Rating the merit of an employee
42. The word which is the exact opposite of NADIR is :
- (A) Modernity  
 (B) Zenith  
 (C) Liberty  
 (D) Progress
43. The Nobel Prize in Physiology or Medicine 2021 was awarded to :
- (A) David Julius and Ardem Patapoutian  
 (B) William G Kaelin Jr, Sir Peter J. Ratcliffe and Gregg L. Semenza  
 (C) Harvey J. Alter, Michael Houghton and Charles M. Rice  
 (D) D. James P. Allison, Tasuku Honjo
44. Gora is a novel written by :
- (A) Rabindranath Tagore  
 (B) Dr. Iqbal  
 (C) Mirza Ghalib  
 (D) Munshi Premchand
45. Find the odd one among the following letters :
- (A) Driving  
 (B) Diving  
 (C) Sailing  
 (D) Swimming

46. \_\_\_\_\_ is a work that contains information on all branches of knowledge or treats comprehensively a particular branch of knowledge.
- (A) Encyclopedia  
(B) Directory  
(C) Dissertation  
(D) None of the above
47. The sociogram is best described as a sociological :
- (A) Concept  
(B) Fact  
(C) Theory  
(D) Technique
48. Following is used for measuring intensity of sound :
- (A) Sound level meter  
(B) Frequency meter  
(C) Both (A) and (B)  
(D) None of the above
49. Who was the Governor-General of India during the Revolt of 1857 ?
- (A) Lord Canning  
(B) Lord Irwin  
(C) Lord Lytton  
(D) Lord Willington
50. Who wrote prolonged Marsiya ?
- (A) Mir Anees  
(B) Mir Taki Mir  
(C) Mirza Mohammad Rafi  
(D) Mohammad Hussain Azad
51. Sigmund Freud is known to be the father of the \_\_\_\_\_.
- (A) Theory of Motivation  
(B) Theory of Psychoanalysis  
(C) Theory of connectionism  
(D) Theory of parallelism
52. Which social media platform discontinued its feature named 'Fleets' ?
- (A) Facebook  
(B) Instagram  
(C) Twitter  
(D) WhatsApp
53. Marxism was against :
- (A) Secularism  
(B) Capitalism  
(C) Progress  
(D) Science
54. Arshid is getting \_\_\_\_\_ the car.
- (A) out of  
(B) out  
(C) out from  
(D) out through
55. The ends of the chromosome are called \_\_\_\_\_.
- (A) Satellites  
(B) Centromeres  
(C) Telomeres  
(D) Kinetochore
56. What comes next in the sequence : 1, 3, 11, 43 \_\_\_\_\_ ?
- (A) 161  
(B) 171  
(C) 181  
(D) 191

57. Mention the name of the book, which was written by Al-Ghazali :
- (A) Ihya-e-eUloom-ud-Din
  - (B) Kashful Mehjoob
  - (C) Hujja-tul-Baligha
  - (D) Sirat-e-Faridia
58. When is International Women's Day celebrated annually?
- (A) March 12
  - (B) March 8
  - (C) February 14
  - (D) March 18
59. Which communication medium has the highest bandwidth?
- (A) Fiber optics
  - (B) Coaxial
  - (C) Copper
  - (D) Twisted pair
60. Find the odd one among the following :
- (A) WHO
  - (B) UNICEF
  - (C) IMF
  - (D) SAARC

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1. Which of the following spectral series of Hydrogen atom lies in the visible region of electromagnetic radiation ?
- (A) Lyman  
(B) Brackett  
(C) Paschen  
(D) Balmer
2. Who gave Mirza Ghalib the title of "Mirza Nosha" ?
- (A) Fakhr-ud Din Mirza  
(B) Bahadur Shah Zafar  
(C) Sir Syed Ahmad Khan  
(D) Shah Alam
3. Match the poems against the names of their respective poets :
- |                                |                             |
|--------------------------------|-----------------------------|
| (a) The Pains of Sleep         | (i) Samuel Taylor Coleridge |
| (b) The Masque of Anarchy      | (ii) John Keats             |
| (c) Sleep and Poetry           | (iii) Percy Bysshe Shelley  |
| (d) Childe Harold's Pilgrimage | (iv) Lord Byron             |
- (a) (b) (c) (d)  
(A) (i) (iii) (ii) (iv)  
(B) (iii) (ii) (iv) (i)  
(C) (i) (ii) (iii) (iv)  
(D) (ii) (i) (iii) (iv)
4. "A Vindication of the Rights of Woman" has been authored by :
- (A) Simon De Beauvoir  
(B) Mary Wollstonecraft  
(C) J.S. Mill  
(D) Sarojini Naidu
5. The famous Airlines, *Lufthansa* has its registered office and corporate headquarters located in :
- (A) Hamburg  
(B) Berlin  
(C) Bremerhaven  
(D) Cologne
6. What is the motto of *University Grants Commission* ?
- (A) Gyan-Vigyan Vimuktaye  
(B) Gyanum Darshanum Vimuktaye  
(C) Vigyan-Darshan Vimuktaye  
(D) Vigyanum-Gyanum Vimuktaye
7. Match the following :
- |                 |                             |
|-----------------|-----------------------------|
| (a) North Korea | (i) Land of Smiles          |
| (b) Thailand    | (ii) Land of Blue Sky       |
| (c) Mongolia    | (iii) The Hermit Kingdom    |
| (d) Indonesia   | (iv) Emerald of the Equator |
- (a) (b) (c) (d)  
(A) (i) (iv) (ii) (iii)  
(B) (iv) (ii) (iii) (i)  
(C) (ii) (iv) (i) (iii)  
(D) (iii) (i) (ii) (iv)
8. Who among the following is the youngest *Nobel Prize Winner in the field of Physics* (as of 2020) ?
- (A) Tsung-Dao Lee  
(B) William Lawrence Bragg  
(C) Carl D. Anderson  
(D) Paul A.M. Dirac

9. *Rights of Persons with Disabilities Act, 2016* was passed by Indian Parliament on :
- (A) 14 December 2016  
 (B) 15 December 2016  
 (C) 16 December 2016  
 (D) 17 December 2016
10. The term "*Autodidacticism*" most aptly refers to :
- (A) Rafting Skills  
 (B) Research Writing  
 (C) Swimming Skills  
 (D) Self- Education
11. Bengali romance novel *Devdas* is written by :
- (A) Sarat Chandra Chatterjee  
 (B) Bankim Chandra Chatterjee  
 (C) Upendrakishore Ray Chowdhury  
 (D) Pramatha Chaudhuri
12. The two famous sculpted and best-known works, "*Pietà*" & "*David*" are associated with :
- (A) Leonardo da Vinci  
 (B) Tiberio Calcagni  
 (C) Michelangelo  
 (D) Giacomo della Porta
13. Who is the composer of the epic poem, *Ramcharitmanas* ?
- (A) Valmiki  
 (B) Tulsidas  
 (C) Krishna Dvaipāyana  
 (D) Kachiyapper
14. The width of a rectangle is 10 meters, and the area of the rectangle is equal to the area of a square whose side is 4 meters. What is the length (in meters) of the rectangle ?
- (A) 1  
 (B) 1.4  
 (C) 1.6  
 (D) 2
15. Who among the following is considered as the "*Most Decorated Olympian*" ?
- (A) Michael Phelps  
 (B) Lance Armstrong  
 (C) Usain Bolt  
 (D) Carl Lewis
16. Which Emily Brontë novel concerns *Heathcliff* and *Cathy Earnshaw* ?
- (A) *Jane Eyre*  
 (B) *Wuthering Heights*  
 (C) *Far from the Madding Crowd*  
 (D) *Agnes Grey*
17. According to Jean Piaget, what process goes through sensorimotor, preoperational, concrete operational, and formal operational stages ?
- (A) Grief  
 (B) Mental growth of children  
 (C) Treatment of the mentally ill  
 (D) Behaviour modification
18. "*Perito Moreno Glacier*" is located in :
- (A) Canada  
 (B) Australia  
 (C) Argentina  
 (D) Switzerland

19. Match the following personalities against the places where they were born :
- |                          |                    |
|--------------------------|--------------------|
| (a) Johannes Kepler      | (i) Italy          |
| (b) Galileo              | (ii) Poland        |
| (c) Nicolaus Copernicus  | (iii) Germany      |
| (d) Henry Norris Russell | (iv) United States |
- (a) (b) (c) (d)  
 (A) (i) (ii) (iv) (iii)  
 (B) (ii) (i) (iii) (iv)  
 (C) (iv) (ii) (i) (iii)  
 (D) (iii) (i) (ii) (iv)
20. Biographical film, *Thalaivi* starring Kangana Ranaut is about the life of which famous politician ?
- (A) V. N. Janaki  
 (B) Akkamma Devi  
 (C) V. Jeyalakshmi  
 (D) Jayaram Jayalithaa
21. *GATT* is the predecessor of which of the following organization ?
- (A) WTO  
 (B) ASEAN  
 (C) ADB  
 (D) IFM
22. Who has authored the book, "*End of Ideologies*" ?
- (A) Karl Marx  
 (B) Friedrich Engels  
 (C) Daniel Bell  
 (D) Sigmund Freud
23. Who among the following has propounded the concept of "*End of History*" ?
- (A) Edward Said  
 (B) Francis Fukuyama  
 (C) Noam Chomsky  
 (D) Robert Kaplan
24. *Picric Acid* is :
- (A) 2-nitrophenol  
 (B) 4-nitrophenol  
 (C) 2,6-dinitrophenol  
 (D) 2,4,6-trinitrophenol
25. The process of nutrient enrichment of water and subsequent loss of species diversity is referred to as :
- (A) Nitrification  
 (B) Biomagnification  
 (C) Eutrophication  
 (D) Bioconcentration
26. *Quiescent Centre* is found in plants at :
- (A) Root Tip  
 (B) Shoot Tip  
 (C) Cambium  
 (D) Leaf Tip
27. *Kranz Type* of anatomy is found in :
- (A) C<sub>4</sub> Plants  
 (B) C<sub>3</sub> Plants  
 (C) Succulents  
 (D) None
28. "*Ramachandran Plot*" is used to confirm the structure of :
- (A) DNA  
 (B) RNA  
 (C) Proteins  
 (D) None
29. With the rise in temperature, the *coefficient of viscosity* of a gas :
- (A) Increases  
 (B) Decreases  
 (C) Does not change  
 (D) None

30. Tusks of elephants are modified :
- Molars
  - Canines
  - Premolars
  - Incisors
31. Which among the four spells correct ?
- Conscientious
  - Consceintious
  - Conscientoius
  - Consientious
32. What does "Have/get/feel butterflies in your stomach" mean ?
- To feel hungry
  - To feel nervous/excited
  - To feel sleepy
  - To feel ambitious
33. You're not that good at singing- \_\_\_\_\_ yourself!
- Get rid of
  - Get over
  - Get out
  - Get lost
34. He has scarcely \_\_\_\_\_ money.
- Any
  - No
  - Not
  - None
35. The word "Hallelujah" means :
- God is Ubiquitous
  - Praise be to God
  - God is Love
  - Condemn the Devil
36. Six friends are sitting before a dining table in the following order. B is sitting opposite to D. E is sitting opposite to C. A is on the extreme left end of the table facing F. Who is sitting on the right-hand side of F ?
- B
  - E
  - D
  - C
37. Complete the sequence: 1, 2, 6, 24, 120, \_\_\_\_\_.
- 360
  - 720
  - 600
  - 640
38. Raheem started walking from his house. He first walked for 3 km towards west, then he turned towards north and moved 4km in that direction. How far Raheem is from his house ?
- 3 km South
  - 3 km North
  - 5 km South West
  - 5 km North West
39. The age of the father 5 years ago was 4 times the age of his son. At present the father's age is 3 times that of his son. What are the present ages of the father and the son ?
- S-12; F-36
  - S-10; F-30
  - S-15; F-45
  - S-11; F-33
40. MNOP : HIJK :: STUV : ?
- QRST
  - NOPQ
  - ONPQ
  - PNOQ

41. The famous "Content Platform" Netflix was founded by :
- (A) Reed Hastings & Marc Randolph  
 (B) Jack Dorsey & Evan Williams  
 (C) Sören Hofmayer & Horst Fickenscher  
 (D) Zhang Yiming
42. Who coined the term "Deep Web" ?
- (A) Narinder Singh Kapany  
 (B) Michael K. Bergman  
 (C) Daniel Colladon  
 (D) Jacques Babinet
43. Full form of JSON, a lightweight data-interchange format is :
- (A) Java Source Object Notation  
 (B) Java Source Objective Notation  
 (C) JavaScript Object Notation  
 (D) Java Set Objective Notation
44. In the context of computing, the term *Worm* – a self-replicating program, was first used in which famous science fiction novel ?
- (A) The Shockwave Rider  
 (B) The Time Machine  
 (C) Edge of Tomorrow  
 (D) The Outer Limits
45. Famous video-sharing social networking service, TikTok is owned by :
- (A) ByteDance  
 (B) Suning.com  
 (C) Tencent  
 (D) Alibaba
46. Which among the following is not a COVID-19 Vaccine ?
- (A) Pfizer  
 (B) Covishield  
 (C) Astrozeneca  
 (D) Imovax
47. Which among the following countries is not an ally to "TAKM - Organization of the Eurasian Law Enforcement Agencies" (as of 2020) ?
- (A) Turkey  
 (B) Azerbaijan  
 (C) Kyrgyzstan  
 (D) India
48. Theme for the "International Women's Day 2021" ?
- (A) Choose to Challenge  
 (B) Each for Equal  
 (C) Balance for Better  
 (D) Generation Equality
49. Who won the Femina Miss India title for the year 2020 ?
- (A) Manushi Chhillar  
 (B) Suman Rao  
 (C) Shreya Shanker  
 (D) Manasa Varanasi
50. Who among the following earned a whopping 25 Billion Dollars in a single day ?
- (A) Jeff Bezos  
 (B) Bill Gates  
 (C) Elon Musk  
 (D) Mark Zuckerberg

51. Match the libraries against their year of establishment :
- |                            |            |
|----------------------------|------------|
| (a) British Library        | (i) 1948   |
| (b) Library of Congress    | (ii) 1973  |
| (c) Swiss National Library | (iii) 1800 |
| (d) National Diet Library  | (iv) 1895  |
- (a) (b) (c) (d)  
 (A) (i) (ii) (iii) (iv)  
 (B) (ii) (iii) (iv) (i)  
 (C) (iii) (ii) (i) (iv)  
 (D) (iv) (i) (ii) (iii)
52. The art of compiling a dictionary is known as :
- (A) Lexicography  
 (B) Ethnography  
 (C) Bibliography  
 (D) Biography
53. Which among the following is also known as a "Geographical Dictionary" ?
- (A) Encyclopedia  
 (B) Treatise  
 (C) Gazetteer  
 (D) None
54. "National Digital Library Program" is associated with :
- (A) Library of Congress  
 (B) The British Library  
 (C) National Library of India  
 (D) The National Library of Russia
55. The origin of the National Library of India is traced to the former :
- (A) Calcutta Public Library  
 (B) Delhi Public Library  
 (C) Allahabad Public Library  
 (D) Anna Centenary Library
56. Match the following novels with the characters revolving around them :
- |                                  |                       |
|----------------------------------|-----------------------|
| (a) <i>Anna Karenina</i>         | (i) Jean Louise       |
| (b) <i>To Kill a Mockingbird</i> | (ii) Konstantin Levin |
| (c) <i>A Passage to India</i>    | (iii) Cyril Fielding  |
| (d) <i>Beloved</i>               | (iv) Sethe            |
- (a) (b) (c) (d)  
 (A) (ii) (i) (iii) (iv)  
 (B) (i) (ii) (iv) (iii)  
 (C) (iii) (i) (iv) (ii)  
 (D) (iv) (ii) (i) (iii)
57. What was the profession of John Watson, Sherlock Holmes's friend and helper ?
- (A) Speleologist  
 (B) Physician  
 (C) Astronomer  
 (D) Gunsmith
58. Who is the author of the famous book, "Twelve Rules for Life" ?
- (A) Jordan Peterson  
 (B) Ben Shapiro  
 (C) Sam Harris  
 (D) Robin Sharma
59. "Home in the World: A Memoir" has been authored by :
- (A) Arundhati Roy  
 (B) Amartya Sen  
 (C) Fareed Zakaria  
 (D) Chetan Bhagat
60. Who is the author of the famous novel, "Untouchable" ?
- (A) R.K. Narayan  
 (B) Sarojini Naidu  
 (C) Abdul Kalam Azad  
 (D) Mulk Raj Anand

**ENTRANCE TEST-2020****SCHOOL OF SOCIAL SCIENCES****LIBRARY AND INFORMATION SCIENCE**

Question Booklet Series

**B**

Total Questions : 60

Time Allowed : 70 Minutes

Roll No. :

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**Instructions for Candidates :**

1. Write your Entrance Test Roll Number in the space provided at the top of this page of Question Booklet and fill up the necessary information in the spaces provided on the OMR Answer Sheet.
2. OMR Answer Sheet has an Original Copy and a Candidate's Copy glued beneath it at the top. While making entries in the Original Copy, candidate should ensure that the two copies are aligned properly so that the entries made in the Original Copy against each item are exactly copied in the Candidate's Copy.
3. All entries in the OMR Answer Sheet, including answers to questions, are to be recorded in the Original Copy only.
4. Choose the correct / most appropriate response for each question among the options A, B, C and D and darken the circle of the appropriate response completely. The incomplete darkened circle is not correctly read by the OMR Scanner and no complaint to this effect shall be entertained.
5. Use only blue/black ball point pen to darken the circle of correct/most appropriate response. In no case gel/ink pen or pencil should be used.
6. Do not darken more than one circle of options for any question. A question with more than one darkened response shall be considered wrong.
7. There will be 'Negative Marking' for wrong answers. Each wrong answer will lead to the deduction of 0.25 marks from the total score of the candidate.
8. Only those candidates who would obtain positive score in Entrance Test Examination shall be eligible for admission.
9. Do not make any stray mark on the OMR sheet.
10. Calculators and mobiles shall not be permitted inside the examination hall.
11. Rough work, if any, should be done on the blank sheets provided with the question booklet.
12. OMR Answer Sheet must be handled carefully and it should not be folded or mutilated in which case it will not be evaluated.
13. Ensure that your OMR Answer Sheet has been signed by the Invigilator and the candidate himself/herself.
14. At the end of the examination, hand over the OMR Answer Sheet to the invigilator who will first tear off the original OMR sheet in presence of the Candidate and hand over the Candidate's Copy to the candidate.

1. *Al-Ghazali*, one of the renowned *Islamic* philosophers was of \_\_\_\_\_ origin.
  - (A) Egyptian
  - (B) Persian
  - (C) Arabic
  - (D) None
2. *Chandragupta Maurya*, the founder of Maurya Empire was born in \_\_\_\_\_.
  - (A) Pataliputra
  - (B) Pistapura
  - (C) Pushkalavati
  - (D) Purushapura
3. The value of escape velocity from the surface of earth is :
  - (A) 10.2 Km/sec.
  - (B) 11.2 Km/sec.
  - (C) 13.2 Km/sec.
  - (D) 14.2 Km/sec.
4. If the population of a village was 10,000 in 2000 and its population increased by 15% between 2000 and 2010, what was the population of the village in 2010 ?
  - (A) 11,500
  - (B) 12,500
  - (C) 11,000
  - (D) 13,500
5. The famous concept of *Clash of Civilizations* was given by \_\_\_\_\_.
  - (A) Samuel P. Huntington
  - (B) Francis Fukuyama
  - (C) Edward Said
  - (D) Joseph Nye
6. What is the number of states remaining in the *European Union* after Brexit ?
  - (A) 24
  - (B) 25
  - (C) 26
  - (D) 27
7. Which among the following countries is known as the "*Graveyard of Empires*" ?
  - (A) Iran
  - (B) Turkey
  - (C) Afghanistan
  - (D) Syria
8. What was the code name of the first *Nuclear Test* conducted by India in 1974 ?
  - (A) Smiling Ganesha
  - (B) Smiling Buddha
  - (C) Smiling Hanuman
  - (D) Smiling Krishna
9. The predecessor of the present-day global organization, United Nations was :
  - (A) League of Nations
  - (B) Warsaw Treaty Organization
  - (C) NATO
  - (D) ILO
10. What is the meaning of the famous German title, "*Mein Kampf*" ?
  - (A) My Passion
  - (B) My Struggle
  - (C) My Courage
  - (D) My Pain

11. Which among the following spells correct ?
- (A) Tomorrow  
(B) Tommorrow  
(C) Tommorow  
(D) Tomorow
12. A \_\_\_\_\_ of gypsies.
- (A) tribe  
(B) choir  
(C) caravan  
(D) horde
13. The captain along with the crew members \_\_\_\_\_ drowned into the sea.
- (A) has  
(B) have  
(C) were  
(D) none
14. Words which produce same pronunciation with different meanings are known as \_\_\_\_\_.
- (A) Synonyms  
(B) Homonyms  
(C) Antonyms  
(D) Consonants
15. What is the appropriate meaning of the idiom "Kitchen Sink" ?
- (A) Almost Nothing  
(B) Almost Everything  
(C) Almost Something  
(D) Confused
16. NOPQ : PMRO :: ABCD : ?
- (A) CZEB  
(B) CDEF  
(C) YZAB  
(D) CDAB
17. Robinson travels 10 km North turns left and travels 4 km and then again turns right and covers another 5 km. He then turns to righthand side and travels another 4 km. How far is he from the point of starting his journey ?
- (A) 15 km  
(B) 4 km  
(C) 5 km  
(D) 10 km
18. The age of father 5 years ago was 5 times the age of his son. At present the father's age is 3 times that of his son. What are the present ages of the son and the father ?
- (A) s-10, f-30  
(B) s-5, f-28  
(C) s-15, f-45  
(D) None
19. *AFFLUENT* is related to *LUCK* in the same way as *IMPOVERISHED* is related to :
- (A) Cruelty  
(B) Laziness  
(C) Stinginess  
(D) Greedy
20. 2, 3, 6, 18, ?, 1944 :
- (A) 315  
(B) 108  
(C) 254  
(D) 180
21. Pick the odd one out :
- (A) Mozilla Firefox  
(B) Internet Explorer  
(C) Chrome  
(D) HTML

22. At which university, *Google*, a leading search engine made its debut ?
- (A) Michigan  
(B) Harvard  
(C) Stanford  
(D) Oxford
23. Who are the original authors of the commonly used *WhatsApp* ?
- (A) Brian Acton and Jan Koum  
(B) Sergy Brin and Larry Page  
(C) Biz Stone and Evan Williams  
(D) Jack Dorsey and Noah Glass
24. Who is the current chairman of Apple Inc., a multinational technology company ?
- (A) Steve Jobs  
(B) Steve Wozniak  
(C) Ronald Wayne  
(D) Arthur D. Levinson
25. Who coined the term "*hypertext*" ?
- (A) Ted Nelson  
(B) Tim Berners Lee  
(C) Robert Cailliau  
(D) Andries Van Dam
26. Who won the *Best Supporting Actor (Male)* at the 92<sup>nd</sup> Academy Awards ?
- (A) Joe Pesci  
(B) Tom Hanks  
(C) Anthony Hopkins  
(D) Brad Pitt
27. "*2022 FIFA World Cup*" is scheduled to take place in \_\_\_\_\_.
- (A) Jordan  
(B) Qatar  
(C) United Arab Emirates  
(D) Morocco
28. Virat Kohli, regarded as one of the best batsmen in the world plays for \_\_\_\_\_ in the *Indian Premier League (IPL)*.
- (A) Royal Challengers Bangalore  
(B) Rajasthan Royals  
(C) Chennai Super Kings  
(D) Kolkata Knight Riders
29. What was the launch date of the *Chandrayaan-2* administered by Indian Space Research Organization (ISRO) ?
- (A) 21 July 2019  
(B) 22 July 2019  
(C) 23 July 2019  
(D) 24 July 2019
30. Along with *M. John Goodenough* and *Akira Yoshino* who won the *Nobel Prize in Chemistry* for the year 2019 for the development of *lithium-ion batteries*.
- (A) Stanley Whittingham  
(B) Abiy Ahmed  
(C) James Peebles  
(D) Didier Queloz
31. Which is not a *National Depository Library of India* ?
- (A) Connemara Public Library  
(B) Asiatic Society of Bombay  
(C) National Library of India  
(D) Rampur Raza Library
32. What is the name of the *Central Library of University of Jammu* ?
- (A) Indra Dhanush  
(B) Dhanvantri  
(C) Pustakalaya  
(D) Kalanidhi

33. When is *Librarians Day* celebrated in India ?
- (A) 12<sup>th</sup> August  
 (B) 13<sup>th</sup> August  
 (C) 14<sup>th</sup> August  
 (D) 18<sup>th</sup> August
34. To look for a *micro concept* or a *micro idea* in a document, it is always advisable to consult :
- (A) Table of contents  
 (B) Preface  
 (C) Abstract  
 (D) Index
35. *Carla Hayden*, the first women librarian of the *Library of Congress* was appointed by which President of United States ?
- (A) Barack Obama  
 (B) Ronald Reagan  
 (C) Gerald Rudolph Ford Jr.  
 (D) Donald Trump
36. Match the following :
- |                   |  |
|-------------------|--|
| A. Emily Durkheim | i. The Theory of Moral Sentiments      |
| B. August Comte   | ii. The Communist Manifesto            |
| C. Karl Marx      | iii. The Course in Positive Philosophy |
| D. Adam Smith     | iv. The Division of Labour in Society  |
- (A) A, iv; B, iii; C, ii; D, i  
 (B) A, ii; B, i; C, iii; D, iv  
 (C) A, i; B, ii; C, iv; D, iii  
 (D) A, i; B, ii; C, iii; D, iv
37. Match the following :
- |                                   |                        |
|-----------------------------------|------------------------|
| A. The Testaments                 | i. Bernardine Evaristo |
| B. Girl, Women, Other             | ii. Margaret Atwood    |
| C. An Orchestra of the Minorities | iii. Salman Rushdie    |
| D. Quichotte                      | iv. Chigozie Obioma    |
- (A) A, iv; B, i; C, iii; D, ii  
 (B) A, ii; B, i; C, iv; D, iii  
 (C) A, i; B, iii; C, iv; D, ii  
 (D) A, i; B, iii; C, ii; D, iv
38. Who is the author of the book, "*Left, Right and Centre: The Idea of India*" ?
- (A) Nidhi Razdan  
 (B) Barkha Dutt  
 (C) Rajdeep Sardesai  
 (D) Arnab Goswami
39. Match the following :
- |                       |                      |
|-----------------------|----------------------|
| A. Wuthering Heights  | i. Margaret Mitchell |
| B. The Alchemist      | ii. Aldous Huxley    |
| C. Gone with the Wind | iii. Emily Bronte    |
| D. Brave New World    | iv. Paulo Coelho     |
- (A) A, iii; B, iv; C, i; D, ii  
 (B) A, ii; B, i; C, iii; D, iv  
 (C) A, i; B, ii; C, iv; D, iii  
 (D) A, iii; B, ii; C, iv; D, i
40. Match the following :
- |                                    |                     |
|------------------------------------|---------------------|
| A. Long Walk to Freedom            | i. Ken Follett      |
| B. The Daughter of Time            | ii. Agatha Christie |
| C. The Mysterious Affair at Styles | iii. Josephine Tey  |
| D. Eye of the Needle               | iv. Nelson Mandela  |
- (A) A, iv; B, iii; C, ii; D, i  
 (B) A, iv; B, i; C, iii; D, ii  
 (C) A, iv; B, ii; C, i; D, iii  
 (D) A, iii; B, ii; C, i; D, iv

41. Which among the following does not belong to the *Lanthanide* series ?
- (A) Cerium  
(B) Neodymium  
(C) Holmium  
(D) Uranium
42. Oxygen is not produced during photosynthesis by :
- (A) Green sulphur bacteria  
(B) Nostoc  
(C) Cycas  
(D) Chara
43. Who is the author of *Mahabharata* ?
- (A) Valmiki  
(B) Veda Vyasa  
(C) Ashvaghoshā  
(D) Kalidas
44. *Carbon Tetra Chloride* has no net dipole moment because :
- (A) it has planar structure  
(B) it has regular tetrahedral structure  
(C) of similar sizes of carbon and chlorine atoms  
(D) of similar electron affinities of carbon and chlorine
45. Which Bollywood movie directed by Vishal Bharadwaj is based on the famous tragic play of William Shakespeare, "*Othello*" ?
- (A) Omkara  
(B) Maqbool  
(C) Haider  
(D) 7 Khoon Maaf
46. The chromosomal complement of individuals with *Turner's Syndrome* is :
- (A) 44 A+XX  
(B) 44 A+XY  
(C) 44 A+XO  
(D) 44 A+XXY
47. Which of the following immunoglobulins does constitute the largest percentage in human milk (colostrum) ?
- (A) IgA  
(B) IgG  
(C) IgD  
(D) IgM
48. Match the following :
- |                       |                          |
|-----------------------|--------------------------|
| A. The Times of India | i. New Delhi             |
| B. The Hindu          | ii. Kanpur               |
| C. Hindustan Times    | iii. Chennai, Tamil Nadu |
| D. Dainik Jagran      | iv. Mumbai, Maharashtra  |
- (A) A, iv; B, iii; C, ii; D, i  
(B) A, iv; B, iii; C, i; D, ii  
(C) A, iii; B, i; C, ii; D, iv  
(D) A, iii; B, iv; C, ii; D, i
49. *Keoladeo Ghana Bird Sanctuary* is situated in which place ?
- (A) Haryana  
(B) Kerala  
(C) Rajasthan  
(D) Gujarat
50. IUCN has its headquarters in :
- (A) Switzerland  
(B) Germany  
(C) France  
(D) Belgium

51. Which of the following is not common between chlorophyll A and B ?
- (A) Aldehyde group  
(B) Phytol chain  
(C) Magnesium  
(D) Tetrapyrrole ring
52. In Breeder reactors, the coolant used is :
- (A) An alloy of Na and K  
(B) Cadmium  
(C) Graphite  
(D) Heavy water
53. Which of the following is an example of pre-historic plants ?
- (A) Protosalvinia  
(B) Glossopteris  
(C) Pachypteris  
(D) All
54. According to Roman Mythology, who is considered as *The God of Sky and Thunder* ?
- (A) Mars  
(B) Jupiter  
(C) Neptune  
(D) Mercury
55. Which among the following is not a prime number ?
- (A) 9  
(B) 7  
(C) 5  
(D) 2
56. The force of friction that comes into play between two surfaces in contact before the actual motion starts is known as :
- (A) Static Friction  
(B) Sliding Friction  
(C) Limiting Friction  
(D) Kinetic Friction
57. Which famous poet has "*Kubla Khan*" to his credit ?
- (A) Shelley  
(B) Yeats  
(C) Keats  
(D) Coleridge
58. One of the greatest love poems in Urdu literature, *Muamlat-e-Ishq* has been written by which famous poet ?
- (A) Mirza Ghalib  
(B) Mir Taqi Mir  
(C) Mirza Rafi Sauda  
(D) Khwaja Haider Ali Atish
59. The greatest volume of a circular cylinder whose total surface area is  $2\pi$ , is :
- (A)  $\frac{2\pi}{3\sqrt{3}}$   
(B)  $\frac{2\pi}{3}$   
(C)  $\frac{2\pi}{\sqrt{3}}$   
(D)  $\frac{4\pi}{3\sqrt{3}}$
60. Which leading Indian actor played the role of Swami's father in the Indian television series, *Malgudi Days*, based on the works of R.K. Narayan ?
- (A) Deven Bhojani  
(B) Harish Patel  
(C) Girish Karnad  
(D) Shankar Nag