This booklet contains 16 printed pages.

Question Booklet for Written Test for the Post of

Health Educator/Junior Assistant/LDA/Statistical Clerk/Computor

Full Marks : 100

Time : 2 Hours

Question Booklet SET : **A**

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO

Read the following INSTRUCTIONS carefully :

1. **Use black ballpoint pen only.**

2. Fill in the particulars given below on this page.

3. Fill in the particulars on **Side 1** and **Side 2** of the **OMR Answer Sheet** as per Instructions on Side 1 of the OMR Answer Sheet.

4. The **SET No.** of this **Question Booklet is A.** Write this **SET No.** at the specific space provided on Side 1 and Side 2 in the OMR Answer Sheet.

5. There are 100 (One Hundred) questions in this Booklet, each carrying 1 (One) mark.

6. Each question or incomplete statement is followed by 4 (Four) suggested answers—(A), (B), (C) and (D). Mark the answer by darkening the appropriate circle in the OMR Answer Sheet using **black ballpoint pen.**

7. Marking of more than one answer against any question will be treated as incorrect response and no mark shall be awarded.

8. Any change or erasing of the marked answer will damage the **OMR Answer Sheet** resulting in **rejection of the Answer/Answer Sheet** by the Computer. **Therefore, do not change or erase the marked answer.**

or the OMR Answer Sheet shall be detached or defaced under any

1. Who was the founder of Maurya dynasty?

   (A) Chanakya

   (B) Ashoka

   (C) Chandragupta Maurya

   (D) Vikramaditya

2. Who defeated Prithviraj Chauhan at the Second Battle of Tarain?

   (A) Mahmud of Ghazni

   (B) Mohammed Ghori

   (C) Chenghiz Khan

   (D) Taimur Lang

3. The famous Moti Masjid in Agra was built by which of the following kings?

   (A) Humayun

   (B) Jahangir

   (C) Shah Jahan

   (D) Aurangzeb

4. The East India Company was founded by

   (A) the Merchants of London

   (B) British Government

   (C) British Army

   (D) None of the above

5. In which year Quit India Movement was started?

   (A) 1931

   (B) 1938

   (C) 1940

   (D) 1942

6. What is the smallest planet in our solar system?

   (A) Mercury

   (B) Pluto

   (C) Venus

   (D) Neptune

7. What is McMahon Line?

   (A) Line dividing South China Sea and Pacific Ocean

   (B) Line dividing Australia and New Zealand

   (C) Boundary line between India and China

   (D) Boundary line between USA and Canada

8. Which of the following rivers is longest?

   (A) Nile

   (B) Mississippi

   (C) Amazon

   (D) Missouri

3

9. What is the capital of Austria?

(A) Algiers

(B) Brussels

(C) Vienna

(D) Venice

10. What is the largest creature in the world?

(A) Dinosaur

(B) Blue whale

(C) Mountain lion

(D) Grizzly bear

11. Which of the following countries is known as the Land of the Rising Sun?

(A) Finland

(B) Sweden

(C) Japan

(D) Greenland

12. Which water body connects Mediterranean Sea with the Red Sea?

(A) Strait of Gibraltar

(B) Palk Strait

(C) Suez Canal

(D) Kiel Canal

13. Who discovered the South Pole?

(A) Amundsen

(B) David Livingstone

(C) Vasco da Gama

(D) Marco Polo

14. Which of the following is *not* a seaport of India?

(A) Kochi

(B) Okha

(C) Bhavnagar

(D) Mysore

15. Khajuraho is situated in

(A) Bihar

(B) Jharkhand

(C) Madhya Pradesh

(D) Chhattisgarh

16. Namdapha National Park is situated in

(A) Assam

(B) Arunachal Pradesh

(C) Nagaland

(D) Manipur

17. Where is the Headquarters of UNICEF situated?

(A) Washington D.C.

(B) New York

(C) Geneva

(D) Paris

18. Who wrote the book, *A Passage to India*?

(A) Nirad C. Choudhuri

(B) E. M. Forster

(C) Vikram Seth

(D) Arthur Hailey

19. The Commonwealth Games is held every

(A) 4 years

(B) 5 years

(C) 6 years

(D) 2 years

20. The Kalinga Prize is given every year for popularization of Science by

(A) the Odisha Government

(B) the Indian Government

(C) the UNESCO

(D) the International Science Congress

21. Who was the first woman to go into space?

(A) Laika

(B) Valentina Tereshkova

(C) Sunita Williams

(D) Kalpana Chawla

22. Who was well-known as Frontier Gandhi?

(A) Feroz Gandhi

(B) Khan Abdul Ghaffar Khan

(C) Jayaprakash Narayan

(D) Sardar Vallabhbhai Patel

23. When is the Doctor's Day celebrated in India?

(A) 8th October

(B) 1st May

(C) 1st July

(D) 1st December

24. Duma is the Lower Legislative House of

(A) Afghanistan

(B) France

(C) Iran

(D) Russia

25. What is the National Flower of Bangladesh?

(A) Water Lily

(B) White Poppy

(C) Lotus

(D) Rose

26. The Indus Valley Civilization flourished mostly between

(A) 1700 BC and 900 BC

(B) 2500 BC and 1700 BC

(C) 3200 BC and 2500 BC

(D) 900 BC and 10 AD

27. Emperor Ashoka was the most famous king of

(A) Maurya dynasty

(B) Gupta dynasty

(C) Saka dynasty

(D) Chalukya dynasty

28. The Second Battle of Panipat was fought during the reign of

(A) Babur

(B) Humayun

(C) Akbar

(D) Jahangir

29. The main objective of Khilafat Movement was

(A) to drive the British away from India

(B) to start Non-Cooperation against the British

(C) to protest against Jallianwalla Bagh Massacre

(D) to restore the Caliph of Ottoman Caliphate to his former position

30. Who led the Rajputs in the Battle of Haldighati?

(A) Rana Sanga

(B) Hemu

(C) Rana Pratap

(D) Raja Man Singh

31. Which planet of our solar system is nearest to the Sun?

(A) Venus

(B) Mars

(C) Mercury

(D) Jupiter

32. The river Brahmaputra originates from the

(A) Lake Manasarovar

(B) Parasuram Kund

(C) Angsi Glacier

(D) Tibetan Kiang Valley

33. Which of the following is the world deepest lake?

(A) Kaspian Sea

(B) Michigan Lake

(C) Tanganyika Lake

(D) Baikal Lake (Russia)

34. Which of the following is the highest peak of Karakoram Range?

(A) Mount Everest

(B) K-2 (Godwin Austen)

(C) Makalu I

(D) Gasherbrum I

35. What is the name of the currency used in Argentina?

(A) Lira ,

(B) Peso

(C) Baht

(D) Riel

36. Which of the following is the world's largest hot desert?

(A) Sahara

(B) Thar

(C) Kalahari

(D) Arizona

37. Which river is also known as Yellow River?

(A) Huang He

(B) Mekong

(C) Amazon

(D) Chenab

38. Where is the famous park, Hyde Park located?

(A) Kolkata

(B) Paris

(C) Jerusalem

(D) London

39. Panama Canal links which of the following two water bodies?

(A) Black Sea and Atlantic Ocean

(B) Atlantic Ocean and Pacific Ocean

(C) Baltic Sea and Arctic Ocean

(D) Indian Ocean and Pacific Ocean

40. Who discovered the Law of Planetary Motion in 1609?

(A) Galileo Galilei

(B) Copernicus

(C) Kepler

(D) Magellan

41. The Prime Minister of India is appointed by

(A) the Indian Parliament

(B) the party enjoying majority support in the Parliament

(C) the members of the Parliament of the ruling party

(D) the President of India

42. The term of the Lok Sabha is

(A) 4 years

(B) 4½ years

(C) 5 years

(D) 6 years

43. When did the United Nations officially came into existence?

(A) October 7th, 1944

(B) October 24th, 1945

(C) June 26th, 1945

(D) June 26th, 1944

44. Which Indian king was also known as Napoleon of India?

(A) Harshavardhana

(B) Kanishka

(C) Vikramaditya

(D) Samudragupta

45. Who wrote the book, *Devdas*?

(A) Sarat Chandra Chattopadhyay

(B) Bankim Chandra Chattopadhyay

(C) Rabindranath Tagore

(D) Tarashankar Bandopadhyay

46. Gandhiji took out the famous Dandi March in protest against

(A) the Rowlatt Act

(B) the Salt Law

(C) the Simon Commission to India

(D) the Cabinet Mission

47. The Swaythling Cup is associated with

(A) football

(B) lawn tennis

(C) table tennis

(D) golf

48. Who was the first Indian to swim across the English Channel?

(A) Miss Arati Saha

(B) Mihir Sen

(C) Arti Pradhan

(D) Nawang Gombu

49. Martyrs' Day in India is observed on

(A) 30th January

(B) 10th December

(C) 26th January

(D) 15th August

50. What is the Iranian Parliament known as

(A) Shora

(B) Duma

(C) Diet

(D) Majlis

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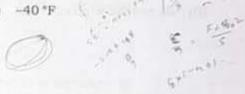**51.** The small bats can fly in the dark with the guidance of

(A) magnetic waves generated by them

(B) infrared waves generated by them

(C) flashes of light generated by them

(D) ultrasonic sound waves generated by them

52. Why is the flash of lightning seen before the sound of thunder is heard?

(A) Because sound gets reflected

(B) Because light is produced earlier

(C) Because light travels faster than sound

(D) None of the above

53. Which of the following is responsible for clotting of blood?

(A) Lymphocyte

(B) Platelet

(C) Erythrocyte

(D) Eosinophil

54. $-40\,^\circ C$ is equivalent to

(A) $32\,^\circ F$

(B) $-32\,^\circ F$

(C) $-18\,^\circ F$

(D) $-40\,^\circ F$

55. Hepatitis is a disease of the

(A) liver

(B) lungs

(C) ears

(D) eyes

56. Liver secretes

(A) hydrochloric acid

(B) lipase

(C) amino acids

(D) bile

57. Endocrine glands

(A) do not have cells

(B) do not have ducts

(C) do not have blood vessels

(D) do not have proenzymes

58. Vitamin B₁ deficiency leads to

(A) Beriberi

(B) Scurvy

(C) Pellagra

(D) Ricket

59. The chemical symbol of 'copper' is

(A) Co

(B) Cp

(C) Cu

(D) Cr

60. Which of the following is **not** true about diethyl ether?

(A) It is a volatile liquid

(B) It is inflammable

(C) It is an anaesthetic agent

(D) It reacts with bases

61. Pituitary gland is a part of

(A) digestive system

(B) nervous system

(C) excretory system

(D) endocrinal system

62. Red blood cells are produced in the

(A) kidneys

(B) liver

(C) bone marrow

(D) heart

63. Sc

(A)

(B)

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63. Scurvy is caused by

(A) calcium deficiency

(B) vitamin D deficiency

(C) vitamin C deficiency

(D) low blood sugar level

64. Influenza is a disease caused by

(A) protozoa

(B) bacteria

(C) virus

(D) fungus

65. Newton is a unit of

(A) power

(B) brightness of light

(C) atmospheric pressure

(D) force

66. The chemical symbol of 'iron' is

(A) Me

(B) Ir

(C) Fe

(D) St

67. What is the chemical name of 'laughing gas'?

(A) Trichloromethane

(B) Nitrous oxide

(C) Diethyl ether

(D) Carbon monoxide

68. What is a transformer?

(A) It is an electrical apparatus to convert electricity to magnetic energy

(B) It is an electrical apparatus to convert high voltage to low and vice versa

(C) It is an electrical apparatus to convert electricity to heat energy

(D) It is an electrical apparatus to convert electricity to X-ray radiation

69. Saliva converts

(A) proteins into peptones

(B) fat into lipase

(C) starch into maltose sugar

(D) protein into amino acids

70. Nerve cells are called

(A) neuron

(B) nephron

(C) schwann cell

(D) mast cell

71. The synonym of 'recalcitrant' is

(A) acid

(B) acrid

(C) obstinate

(D) vessel

72. The antonym of 'intentional' is

(A) accidental

(B) local

(C) travelling

(D) national

73. Complete the following English proverb with the correct option :

"Beggars can't be _____."

(A) rich

(B) happier

(C) teachers

(D) choosers

74. What is the young one of 'eagle' called?

(A) Cygnet

(B) Eaglet

(C) Eagling

(D) Eagleling

75. Complete the following sentence with the correct pronoun given below :

"I have a friend _____ can help."

(A) that

(B) who

(C) whom

(D) which

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76. Complete the following sentence with the correct pronoun given below :

"You will have to pull _____ together."

(A) themselves

(B) himself

(C) yourself

(D) you

77. What is the superlative form of 'shy'?

(A) Shyest

(B) Shiyest

(C) Most shy

(D) Shyiest

78. Complete the following idiom with the correct option :

"At the drop of a _____"

(A) stone

(B) hat

(C) leaf

(D) building

79. Use the correct determiner to complete the sentence :

"Mount Everest is _____ highest mountain in the world."

(A) the

(B) a

(C) most

(D) None of the above

80. Use the correct word to complete the sentence :

"Nobody has _____ to the prison."

(A) except

(B) accept

(C) excess

(D) access

81. The synonym of 'ponder' is

(A) flower

(B) ruminate

(C) beautiful

(D) childish

82. The antonym of 'insolvent' is

(A) solution

(B) clear

(C) wealthy

(D) bankrupt

83. Complete the following English proverb with the correct option :

"A rolling stone gathers no _____."

(A) wealth

(B) moss

(C) words

(D) wood

84. What is the opposite gender of 'stag'?

(A) Ewe

(B) Vixen

(C) Nanny

(D) Hind

85. Complete the following sentence with the correct determiner :

"Please give us _____ help."

(A) some

(B) any

(C) no

(D) a

86. Complete the following sentence using the correct preposition :

"The spider crawled slowly ___ the banister."

(A) before

(B) throughout

(C) along

(D) except

87. What is the plural of 'trout'?

(A) Troutes

(B) Trout

(C) Troth

(D) Trouters

88. What is the superlative of 'noisy'?

(A) Noisest

(B) Noseist

(C) Nosiest

(D) Noisiest

89. Complete the following idiom with the correct option :

"A leopard cannot change its ___ "

(A) colour

(B) spots

(C) nature

(D) habit

90. What is the adverb of 'terrible'?

(A) Terribley

(B) Terriblest

(C) Terribly

(D) Terriblous

91. What must be added to

$$x^4 + 2x^3 - 2x^2 + x - 1$$

so that the resulting polynomial is exactly divisible by $x^2 + 2x - 3$?

(A) $x - 2$

(B) $2x - 1$

(C) $x^2 + 2x - 1$

(D) $2x^2 + x - 1$

92. The length of a rectangle is 15 cm more than its width. If the perimeter is 150 cm, find the dimensions (length and breadth) of the rectangle.

(A) 50 cm and 35 cm

(B) 55 cm and 40 cm

(C) 35 cm and 20 cm

(D) 45 cm and 30 cm

93. In a triangle ABC, $\angle C = 3\angle B = 2(\angle A + \angle B)$. Find the three angles.

(A) $30°, 40°, 110°$

(B) $20°, 40°, 120°$

(C) $40°, 35°, 105°$

(D) $60°, 30°, 90°$

/12

14

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94. A man purchases two fans for ₹ 2,160. By selling one fan at a profit of 15% and the other at a loss of 9% he neither gains nor loses in the whole transaction. The cost price of the fans respectively are

(A) ₹ 1,010 and ₹ 1,150

(B) ₹ 900 and ₹ 1,260

(C) ₹ 810 and ₹ 1,350

(D) ₹ 860 and ₹ 1,300

95. Find the length of a chord which is at a distance of 5 cm from the centre of a circle of radius 13 cm.

(A) 12 cm

(B) 65 cm

(C) 24 cm

(D) 45 cm

96. The circumference of a circle is 44 cm. What is its area?

(A) 168 cm^2

(B) 176 cm^2

(C) 154 cm^2

(D) 160 cm^2

97. A rhombus having sides of 13 cm length has a diagonal of 24 cm. What is its area?

(A) 120 cm^2

(B) 130 cm^2

(C) 140 cm^2

(D) 150 cm^2

98. What is the simple interest on ₹ 1,200 at 6% per annum for 146 days?

(A) ₹ 30·00

(B) ₹ 72·80

(C) ₹ 36·40

(D) ₹ 28·80

99. Simplify the following :
$$2x - [3y - \{2x - (y - x)\}]$$

(A) $3x - 7y$

(B) $5x - 7y$

(C) $3x - 4y$

(D) $5x - 4y$

100. Find the value of n in the equation
$$(2^2)^n = (2^3)^4$$

(A) 3

(B) 5

(C) 6

(D) 9