

Booklet No.

86860423

JEHOM—2018

Subject : English Language, General Knowledge, Logical Reasoning and Elementary Mathematics

Time : 90 minutes

Full Marks : 100

Instructions

1. All questions are of objective type having four answer options for each. Only one option is correct. Correct answer will carry full marks 2. In case of incorrect answer or any combination of more than one answer, $\frac{1}{2}$ mark will be deducted.
2. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C or D.
3. Use only Black/Blue ball point pen to mark the answer by complete filling up of the respective bubbles.
4. Do not make any stray mark on the OMR.
5. Write question booklet number and your roll number carefully in the specified locations of the OMR. Also fill appropriate bubbles.
6. Write your name (in block letter), name of the examination centre and put your full signature in appropriate boxes in the OMR.
7. The OMRs will be processed by electronic means. Hence it is liable to become invalid if there is any mistake in the question booklet number or roll number entered or if there is any mistake in filling corresponding bubbles. Also it may become invalid if there is any discrepancy in the name of the candidate, name of the examination centre or signature of the candidate vis-à-vis what is given in the candidate's admit card. The OMR may also become invalid due to folding or putting stray marks on it or any damage to it. The consequence of such invalidation due to incorrect marking or careless handling by the candidate will be sole responsibility of candidate.
8. Candidates are not allowed to carry any written or printed material, calculator, docu-pen, log table, any communication device like mobile phones etc. inside the examination hall. Any candidate found with such items will be reported against and his/her candidature will be summarily cancelled.
9. Rough Work must be done on the question paper itself. Additional blank pages are given in the question paper for Rough Work.
10. Hand over the OMR to the invigilator before leaving the Examination Hall.

SEAL

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SPACE FOR ROUGH WORK

ENGLISH LANGUAGE

Directions (Question Nos. 1 to 3) : Out of the following alternatives, choose the one which best expresses the meaning of the given word.

1. Recollect

- (A) Remember (B) Revive (C) Memorise (D) Recover

2. Exotic

- (A) Beautiful (B) Excellent (C) Colourful (D) Unusual

3. Inexplicable

- (A) Unconnected (B) Unaccountable
(C) Chaotic (D) Confusing

Directions (Question Nos. 4 to 6) : Fill in the blanks with suitable prepositions given below.

4. He has invited some of his friends ——— tea.

- (A) for (B) at (C) on (D) to

5. The examination will commence ——— Monday.

- (A) with (B) on (C) from (D) since

6. He is busy ——— work.

- (A) about (B) in
(C) with (D) on

Directions (Question Nos. 7 to 10) : In each of the following questions choose the word opposite in meaning to the given word.

7. Grotesque

(A) Imaginary

(B) Hateful

(C) Familiar

(D) Natural

8. Debacle

(A) Regain

(B) Rise

(C) Progress

(D) Movement

9. Capitulate

(A) Conquer

(B) Surrender

(C) Venerate

(D) Destroy

10. Indolent

(A) Desirable

(B) Consistent

(C) Adequate

(D) Energetic

Directions (Question Nos. 11 to 13) : Choose the most suitable 'one word' for the given expressions.

11. Murder of a brother

(A) Fratricide

(B) Homicide

(C) Patricide

(D) Regicide

12. One who loves all and sundry

- (A) Optimist (B) Humanist
(C) Philanthropist (D) Altruist

13. A person who regards the whole world as his country

- (A) Patriot (B) Nationalist
(C) Cosmopolitan (D) Metropolitan

Directions (Question Nos. 14 and 15) : Pick out the most effective word from the given alternatives to fill in the blanks to make the sentence meaningfully complete.

14. The two sisters look so ——— that it is difficult to tell one from the other.

- (A) alike (B) same
(C) identical (D) similar

15. He has good ——— over the famous world languages.

- (A) hold (B) command
(C) knowledge (D) authority

GENERAL KNOWLEDGE

16. Dronacharya Award is given to

- (A) Outstanding cricket player (B) Outstanding musician
(C) Outstanding coach in sports (D) Outstanding actor

17. WHO stands for

- (A) World Human Orientation (B) World Health Organisation
(C) Women's Health Orientation (D) World Health Office

18. The first President of India was

- (A) Dr. Rajendra Prasad (B) Pandit Jawaharlal Nehru
(C) Mohandas Karamchand Gandhi (D) Dr. A. P. J. Abdul Kalam

19. Which among the following cities is nearest to Kolkata?

- (A) Delhi (B) Dhaka
(C) Mumbai (D) Chennai

20. Atom bombs were dropped in Hiroshima and Nagasaki in the year

- (A) 1975 (B) 1965
(C) 1955 (D) 1945

21. Satyajit Roy's grandfather was

- (A) Subinoy Roy (B) Nirmalendu Roychowdhury
(C) Sukumar Roy (D) Upendrakishore Roychowdhury

22. Electric bulb was invented by

- (A) Newton (B) T. A. Edison
(C) James Watt (D) Michael Faraday

23. Narmada river flows from

(A) North to South

(B) South to North

(C) East to West

(D) West to East

24. *Discovery of India* was written by

(A) Jawaharlal Nehru

(B) Mahatma Gandhi

(C) Indira Gandhi

(D) Dr. S. Radhakrishnan

25. The rank 'Rear Admiral' relates to

(A) Air Force

(B) Navy

(C) Army

(D) Police

26. Gir Wildlife Sanctuary is located in

(A) Gujarat

(B) Rajasthan

(C) Madhya Pradesh

(D) Maharashtra

27. The first woman pilot of Indian Air Force is

(A) Kalpana Chawla

(B) Kiran Bedi

(C) Avani Chaturvedi

(D) Bula Choudhury

28. The town of Dalhousie is located in

(A) Kolkata

(B) Punjab

(C) Kashmir

(D) Himachal Pradesh

29. Which king has been called the 'Napoleon of India' ?
- (A) Samudra Gupta (B) Samrat Ashoka
(C) Akbar (D) Aurangzeb

30. The steel city of Bokaro is located in the state
- (A) Bihar (B) Chhattisgarh
(C) Jharkhand (D) West Bengal

LOGICAL REASONING

31. Choose the letter that can replace the question mark in the series : A D I P ?
- (A) R (B) T
(C) U (D) Y
32. Choose the number that can replace the question mark in the series : 1, 8, 27, ?
- (A) 37 (B) 64
(C) 57 (D) 47
33. Choose the odd one out.
- (A) Cricket (B) Football
(C) Chess (D) Hockey
34. Which of the following relations is most analogous to Light : Candle?
- (A) Exercise : Strength (B) Car : Engine
(C) Dieting : Overweight (D) Power : Battery

35. If MILD is written as NKOH, then GATE will be written as

- (A) HDVQ (B) IBUP
(C) HCWI (D) HDUR

36. Joy walks 7 km North, then turns right and walks 3 km. He again turns right and runs 7 km. How far away is he now from his starting point?

- (A) 3 km (B) 17 km
(C) 7 km (D) 10 km

37. Ajay, during his morning walk finds his shadow on his left. In which direction is he walking?

- (A) North (B) South
(C) East (D) West

38. Find the odd one out.

- (A) Bharat Ratna (B) Padma Bhushan
(C) Ashok Chakra (D) Padma Bibhushan

39. Which of the following does not belong to the group?

- (A) Iron (B) Aluminium
(C) Brass (D) Copper

40. Find the number that can replace the question mark in the series: 3, 4, 8, 17, ?

- (A) 33 (B) 32
(C) 31 (D) 30

ELEMENTARY MATHEMATICS

41. One fourth of the sum of the prime numbers, greater than 4 but less than 16, is the square of

- (A) 2 (B) 3
(C) 4 (D) 5

42. 30% of 20 plus 20% of 30 equals to

- (A) 10% of 600 (B) 10% of 1200
(C) 1% of 1200 (D) 1% of 600

43. If $\frac{3}{16}$ of a tank is filled in 15 minutes, the rest of the tank will be filled in

- (A) 55 min (B) 60 min
(C) 65 min (D) 70 min

44. A certain sum is invested in stocks on simple interest. If it trebles in 10 years, what is the rate of interest?

- (A) 18% (B) 20%
(C) 22% (D) 25%

45. Ten men can finish construction of a wall in eight days. How many are needed to finish the work in half a day?

- (A) 80 (B) 100
(C) 120 (D) 160

46. The average height of students in a class of 10 is 105 cm. If 20 more students with an average height of 120 cm join, what will be the new average height of all students of the class?
- (A) 105 cm (B) 110 cm
(C) 112 cm (D) 115 cm
47. A boy earns thrice as much in the months of November and December as in every other months of the year. What part of the entire year's earning does he earn in November and December?
- (A) $\frac{5}{16}$ (B) $\frac{3}{8}$
(C) $\frac{1}{4}$ (D) $\frac{7}{16}$
48. A class has 40 students. 90% of these students took the final examination, two-third of which passed. How many students passed in the final examination?
- (A) 18 (B) 20
(C) 24 (D) 22
49. An express train travels at an average speed of 120 kmph, stopping for 4 minutes after every 80 km. How long will it take to reach a destination 960 km away?
- (A) 8 hr 43 min (B) 8 hr 44 min
(C) 8 hr 40 min (D) 8 hr 56 min
50. The product of three numbers is 750 and their ratio is 1:2:3. What is the sum of the squares of the three numbers?
- (A) 375 (B) 350
(C) 400 (D) 450

SPACE FOR ROUGH WORK

SEAL

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