

JEHOM-2017

English Language, General Knowledge, Logical Reasoning & Elementary Mathematics

Time Allowed : 1 Hour 30 Minutes

Maximum Marks : 100

60100098

Booklet No.

INSTRUCTIONS

Candidates should read the following instructions carefully before answering the questions:

1. This question Paper contains 50 MCQ type objective questions. Each question has four answer options given, viz. A, B, C and D.
2. Only one answer is correct. Correct answer will fetch full marks 2. Incorrect answer or any combination of more than one answer will fetch $-\frac{1}{2}$ marks. No answer will fetch 0 marks.
3. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C, or D.
4. Use only **Black/Blue ball point pen** to mark the answer by complete filling up of the respective bubbles.
5. Mark the answers only in the space provided. Do not make any stray mark on the OMR.
6. Write question booklet number and your roll number carefully in the specified locations of the OMR. Also fill appropriate bubbles.
7. Write your name (in block letter), name of the examination centre and put your full signature in appropriate boxes in the OMR.
8. 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-a-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.
9. Rough work must be done on the question paper itself. Additional blank pages are given in the question paper for rough work.
10. Handover the OMR to the invigilator before leaving the Examination Hall.

Space for Rough Work

20000100

Group-A
English Language

1. A person who rules without consulting the opinion of others
(A) Democrat (B) Bureaucrat
(C) Autocrat (D) Fanatic
2. A small enclosure for cattle, sheep, poultry etc.
(A) Cellar (B) Sty
(C) Pen (D) Lair
3. Choose the word that is opposite in meaning of the word 'Naive'.
(A) Cunning (B) Sophisticated
(C) Wealthy (D) Complicated
4. Choose from the options given, the one nearest in meaning to the word 'Juvenile'.
(A) Childish (B) Tedious
(C) Humorous (D) Pious
5. A process involving too much official formality
(A) Nepotism (B) Diplomacy
(C) Aid-tapism (D) Bureaucracy
6. In the following question choose the alternative which can replace the word printed in bold without changing the meaning of the sentence:
'Even though he does not study hard, he always **comes first** in his class.'
(A) scores (B) stands
(C) arrives (D) completes
7. Choose the correct option which best expresses the meaning of the idiom- 'To frame a person'.
(A) To be fool someone (B) To make one appear guilty
(C) To praise someone (D) A narrow escape
8. Find which part of the sentence has an error:
(A) All the guests (B) spontaneously
(C) remarked (D) that the dish was very testy.

9. Find the correctly spelt word:

- (A) Superseed (B) Superceed
(C) Supercede (D) Supersede

10. A person who hates women

- (A) Misanthropist (B) Masochist
(C) Misogynist (D) Misogamist

11. A person who collects coins

- (A) Philatelist (B) Numismatist
(C) Narcissist (D) Fatalist

12. Pick out the best alternative which can complete the incomplete statement correctly and meaningfully:

'I shall not be late for dinner_____.'

- (A) if the train is late (B) unless the train is late
(C) unless the train will be late (D) unless the train will not be late

13. Choose the correct alternative which best expresses the meaning of the word printed in bold without changing the meaning of the sentence:

'Forgetting their old enmity, they joined hands with a spirit of **camaradevie**.'

- (A) animosity (B) love
(C) friendliness (D) trust

14. In the following question a sentence has been given in active voice. Out of the four alternatives, select the one which best expresses the same sentence in passive voice:

'I know him.'

- (A) He is known by me. (B) He was known to me.
(C) He has been known by me. (D) He is known to me.

15. In the following question, a sentence has been given in direct speech. Out of the four alternatives, select the one which best expresses the same sentence in indirect speech:

He said, 'I clean my teeth twice a day'.

- (A) He said that he cleaned his teeth twice a day.
(B) He said that he cleans his teeth twice a day.
(C) He said that he used to clean his teeth twice a day.
(D) He said that he is used to cleaning his teeth twice a day.

Group-B
General Knowledge

16. The largest tiger reserve in India is
(A) Nagarjuna (B) Manas
(C) Pench (D) Corbett
17. It is not advisable to sleep under a tree at night because of the
(A) release of less oxygen (B) release of more oxygen
(C) release of carbon dioxide (D) release of carbon monoxide
18. The life span of human red corpuscles is
(A) uncertain (B) 120 days
(C) 180 days (D) as long as the individual survives
19. The gas in atmosphere that helps in burning is
(A) nitrogen (B) helium
(C) oxygen (D) hydrogen
20. Chemically, insulin is
(A) carbohydrate (B) peptide
(C) nucleoside (D) oligosachharide
21. Who founded four Matthas in the four corners of India?
(A) Shankaracharya (B) Ramanujacharya
(C) Bhaskaracharya (D) Madhavacharya
22. In which language was the Shrimad Bhagavad Gita originally written?
(A) Prakrit (B) Pali
(C) Sanskrit (D) Apabharamsa
23. When the East India Company was set up, India's ruler was
(A) Aurangzeb (B) Akbar
(C) Jahangir (D) Humayun
24. Who was the chairman of the Drafting Committee of the constitution of India?
(A) J. B. Kriplani (B) Rajendra Prasad
(C) J. L. Nehru (D) B. R. Ambedkar
25. On which days do the spring tides occur?
(A) New moon (B) First quarter of the moon
(C) Third quarter of the moon (D) Full moon

26. When were Indian states first organised on a linguistic basis?
(A) 1947 (B) 1950
(C) 1952 (D) 1956
27. The governor of a state is accountable for all his actions to
(A) the State Legislature (B) the State Council of Ministers
(C) the Chief Minister of the State (D) the President
28. In India, the citizens have been given the right to vote on the basis of
(A) age (B) education
(C) property (D) duration of stay
29. Commercial banks finance rural credit directly and through
(A) NABARD (B) Rural Banks
(C) Cooperative Societies (D) State Government
30. An object weighs maximum in
(A) air (B) water
(C) hydrogen (D) vacuum

Group-C
Logical Reasoning

31. A goes 4 km south then 8 km west then 6 km north then 8 km east and then 2 km south. How far is A from the starting point?

- (A) 2 km (B) 1 km
(C) 0 km (D) 3 km

32. The next group of letters in the series

AZBY, CXDW, EVFU, _____ is

- (A) GTHS (B) FTHS
(C) CTIR (D) FTIR

33. A long rope has to be cut to make 23 small pieces. If it is double folded to start with how many times does it need to be cut?

- (A) 9 (B) 23
(C) 11 (D) 12

34. Fill in the blank with the correct option:

Body includes limb as tree includes _____.

- (A) seed (B) wood
(C) soil (D) branch

35. Fill in the blank with the correct option:

___ is to musician as art is to artist.

- (A) Orchestra (B) Music
(C) Mouth (D) Ability

36. Find the odd one out from the following:

- (A) Violet (B) Indigo
(C) Brown (D) Green

37. Give the correct order of events in the following:

- a- A child does well in examination.
b- His concentration is good.
c- He is a fast learner.
d- His retention recall powers are appropriate.

- (A) dabc (B) cbad
(C) abcd (D) beda

38. Arrange the following in a decreasing order of volumes:
- a- cube of side 2 cm
 - b- sphere of radius 2 cm
 - c- cylinder of radius and height 2 cm
 - d- cone of radius and height 2 cm
- (A) abcd (B) beda
(C) cdab (D) dcba
39. If today is thursday, what will be the day after 363 days?
- (A) Tuesday (B) Wednesday
(C) Thursday (D) Friday
40. If $6A8 = 53$ and $5A7 = 40$, then $6A9 = ?$
- (A) 59 (B) 61
(C) 62 (D) 63

Group-D
Elementary Mathematics

41. $4.5 = ? \%$ of 4
(A) 112.5 (B) 125
(C) 80 (D) 110
42. The simple interest on a sum of money is $\frac{1}{4}$ th of the principal for the number of years equal to the rate of interest. What is the rate of interest?
(A) 10% (B) 5%
(C) 3% (D) 4%
43. The L.C.M of two numbers is 72 and H.C.F is 12. If one of the numbers is 24, the other number is
(A) 30 (B) 48
(C) 18 (D) 36
44. Which of the following is the smallest?
(A) $\frac{13}{16}$ (B) $\frac{7}{8}$
(C) $\frac{11}{12}$ (D) $\frac{5}{6}$
45. 40 men take 8 days to earn Rs. 2000. How many men will earn Rs. 200 in two days?
(A) 10 (B) 12
(C) 16 (D) 20
46. Arriving at the railway platform at 10:00 hours, a man found that he was 2 hours 10 minutes earlier than the man who on reaching at 12:10 hours will found himself 40 minutes late. What was the scheduled time of the train?
(A) 12:10 (B) 11:40
(C) 11:30 (D) 11:20
47. The wages of an employee were first reduced by 40% and then increased by 50%. What was the percentage of loss?
(A) 10 (B) 15
(C) No loss (D) 12
48. A class has 40 students. 90% of these students took the final examination, two-third of which passed. How many students passed the final examination?
(A) 18 (B) 20
(C) 22 (D) 24

49. A piece of cloth costs Rs. 70. If the piece is 4 m longer and each metre costs Rs. 2 less, the total cost remain unchanged. How long is the piece?

(A) 8 m

(B) 9 m

(C) 10 m

(D) 12 m

50. The number of boys in a class is four times the number of girls. Which of the following numbers cannot be the total number of students in the class?

(A) 40

(B) 42

(C) 45

(D) 50

Space for Rough Work

JEHOM-2017

English Language, General Knowledge, Logical Reasoning & Elementary Mathematics

সময় : ১ ঘণ্টা ৩০ মিনিট

সর্বাধিক নম্বর : ১০০

Booklet No.

নির্দেশাবলি

পরীক্ষার্থীদের উত্তর দেওয়ার পূর্বে নির্দেশাবলি ভালো করে পড়ে নিতে হবে :

- ১। এই প্রশ্নপত্রে 50টি MCQ ধরনের প্রশ্ন দেওয়া আছে। প্রতিটি প্রশ্নের A, B, C এবং D এই চারটি সম্ভাব্য উত্তর দেওয়া আছে।
- ২। সঠিক উত্তর দিলে 2 নম্বর পাবে। ভুল উত্তর দিলে অথবা যে কোনো একাধিক উত্তর দিলে $-\frac{1}{2}$ নম্বর পাবে। কোনো উত্তর না দিলে শূন্য পাবে।
- ৩। OMR পত্রে A, B, C অথবা D চিহ্নিত সঠিক ঘরটি ভরাট করে উত্তর দিতে হবে।
- ৪। OMR পত্রে উত্তর দিতে শুধুমাত্র কালো/নীল বল পয়েন্ট পেন ব্যবহার করবে।
- ৫। OMR পত্রে নির্দিষ্ট স্থান ছাড়া অন্য কোথাও কোনো দাগ দেবে না।
- ৬। OMR পত্রে নির্দিষ্ট স্থানে প্রশ্নপত্রের নম্বর এবং নিজের রোল নম্বর অতি সাবধানতার সাথে লিখতে হবে এবং প্রয়োজনীয় ঘরগুলি পূরণ করতে হবে।
- ৭। OMR পত্রে নির্দিষ্ট স্থানে নিজের নাম ও পরীক্ষাকেন্দ্রের নাম লিখতে হবে এবং নিজের সম্পূর্ণ স্বাক্ষর দিতে হবে।
- ৮। OMR উত্তরপত্রটি ইলেকট্রনিক যন্ত্রের সাহায্যে পড়া হবে। সুতরাং, প্রশ্নপত্রের নম্বর বা রোল নম্বর ভুল লিখলে অথবা ভুল ঘর ভরাট করলে উত্তরপত্রটি অনিবার্য কারণে বাতিল হতে পারে। এছাড়া পরীক্ষার্থীর নাম, পরীক্ষাকেন্দ্রের নাম বা স্বাক্ষরে কোনো ভুল থাকলেও উত্তরপত্র বাতিল হয়ে যেতে পারে। OMR উত্তরপত্রটি ভাঁজ হলে বা তাতে অনাবশ্যিক দাগ পড়লেও বাতিল হয়ে যেতে পারে। পরীক্ষার্থীর এই ধরনের ভুল বা অসতর্কতার জন্য উত্তরপত্র বাতিল হলে একমাত্র পরীক্ষার্থী নিজেই তার জন্য দায়ী থাকবে।
- ৯। প্রশ্নপত্রে রাফ কাজ করার জন্য ফাঁকা জায়গা দেওয়া আছে। অন্য কোনো কাগজ এই কাজে ব্যবহার করবে না।
- ১০। পরীক্ষাকক্ষ ছাড়ার আগে OMR পত্র অবশ্যই পরিদর্শককে দিয়ে যাবে।