

Management

Time: 60 Minutes

Full Marks: 60

Pass Marks: 21

ENTRANCE MODEL QUESTION

Full Name:.....

School Name:.....

Group A (English)

25 marks

Mark (✓) for the best answer

A. Read the following passage and choose the best answers to the questions that follow:

The best way of understanding our own civilization is to take an ordinary sort of a day in the life of an ordinary sort of man, myself for instance, and to see what he does. My home is in London. I get up in the morning when an alarm clock rings on the table of my bed. It is quite a complicated machine and works perfectly. I get into a hot bath, the water which has been heated by the gas. The gas is supplied to me by the gas board of the area in which I live; it is part of national system. The water is supplied by the shave comes from a kettle which has been heated by electricity. As far as I am concerned, what happens is very simple: I put a plug in the wall and put on the switch and the electricity does the rest. I use the safety razor, the blade of which, made of very finely tempered steel, has been cut, together with millions of other blades, by machines. The clothes which I put on have also been spun and woven largely by steam or electrically driven machines.

1. The 'I' in this passage represents...

a. a common man.	b. a rich person.
c. an automation.	d. a robot.
2. The ideal way of understanding civilization is...

a. to read its literature.	b. to see how the people shave, bathe and dress.
c. to assess its technological progress	d. to study the daily routine of an ordinary person.
3. The 'complicated machine' in the passage refers to...

a. an electric kettle.	b. a safety razor.
c. an alarm clock.	d. gas.
4. The gas being 'supplied by a national system' means that...

a. it is supplied by the nationalist government.	b. it is supplied only nationally and not internationally.
c. it is supplied all over the country by a central agency.	d. it is supplied to only those who believe in a national system.
5. The kind of life experienced by the writer is representative of ...

a. an advanced urban society.

c. a semi-urbanized society.

b. a rural society.

d. a socialist society.

B. Mark (✓) for the best answer

6. This paper _____ thrice weekly.

a. appears	b. has appeared
c. will appear	d. appeared
7. Ankur and her friends _____ many places before they returned home.

a. had visited	b. visited
c. were visiting	d. would visit.
8. Watch you gave to me is lost.

a	b. no article
c. The	d. Some
9. I think I am right , _____ ?

a. don't I	b. am not I
c. aren't I	d. do I
10. My office _____ daily.

a. will be cleaned	b. cleans
c. is cleaned	d. has been cleaned
11. Many a man _____ arrested by the police.

a. was	b. were
c. are	d. has
12. No one knows what you say, _____ ?

a. does they	b. don't they
c. do they	d. don't they
13. Which expression is incorrect ?

a. a pile of books	b. a herd of cats
c. a pack of wolves	d. a herd of cattle
14. Which of the following doesn't have an- 'ment' prefix ?

a. fulfill	b. imprison
c. gentle	d. amuse
15. 'What will they do tomorrow'? Its passive is...

a. What will be done tomorrow?	b. What will be done by them tomorrow?
c. What will they be done tomorrow?	d. all
16. It was a great party last night. You come. Why didn't you?

a. must have	b. should have
c. had better	d. had to
17. I saw a beautiful lady in the garden.

a. strolling	b. staggering
c. roaming	d. striding
18. You have no alternative. Youapologize.

a. need	b. must
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19. 19. like a cup a tea?
 a. Do you
 c. Would you
20. I feel very exhausted. I wish I
 a. slept.
 c. have slept well.
21. Many a man ___ arrested by the police.
 a. was
 c. are
22. No one knows what you say, ___?
 a. does they
 c. do they
23. Which expression is incorrect ?
 a. a pile of books
 c. a pack of wolves
24. Which of the following doesn't have an- 'ment' prefix ?
 a. fulfill
 c. gentle
25. 'What will they do tomorrow'? Its passive is...
 a. What will be done tomorrow?
 c. What will they be done tomorrow?
- d. ought to
- b. Should you
 d. Could you
- b. hadn't worked so hard.
 d. didn't work so hard.
- b. were
 d. has
- b. don't they
 d. don't they
- b. a herd of cats
 d. a herd of cattle
- b. imprison
 d. amuse
- b. What will be done by them tomorrow?
 d. all

Group B (Mathematics)

25 marks

1. Which of the following is not true?
 a) $A \cup B = B \cup A$
 c) $A - B = B - A$
2. If $A = \{1,2,3\}$ and $B = \{2,3,4\}$, then $B - A$ is
 a) $\{2,3\}$
 c) $\{1\}$
3. 20 teachers of a school, either teach Maths or physics, 12 of them teach Maths while 4 teach both the subjects. How many teach Physics only?
 a) 4
 c) 10
4. If $A = \{1,2,3\}$, $B = \{4,3,2,1\}$ then $A \cap B$ is
 a) $\{4\}$
 c) $\{1,2,3,4\}$
- b) $A \cap B = B \cap A$
 d) None of the above
- b) $\{4\}$
 d) $\{ \}$
- b) 8
 d) 12
- b) $\{1,2,3\}$
 d) $\{ \}$

5. If 'a' is a number lying between 0 and 1, then which of the following is in increasing order?
 a) a^2, a, \sqrt{a}
 c) a^2, \sqrt{a}, a
6. If $3x = \frac{5y}{6}$, then $5y$ is equal to
 a) $18x$
 c) $\frac{1}{2x}$
7. The salary of A is 20% above that of B. How much percent is B's salary less than that of A?
 a) 20%
 c) $15\frac{2}{3}\%$
8. What is the value of $(1000001)^2 - (999999)^2$?
 a) 4×10^6
 c) 4×10^7
9. H.C.F of $x^2 - y^2 - 2x + 1$ and $x^2 - xy - x$ is
 a) $x + y - 1$
 c) $x + y + 1$
10. Points (5,2), (1,0) and (a,5) lie on the same straight line. Then the value of a is
 a) 15
 c) 11
11. If $a \cos \theta + b \sin \theta = 8$ and $a \sin \theta - b \cos \theta = 5$, then the value of $a^2 + b^2$ is
 a) 13
 c) 49
12. The ratio of the length of a side of an equilateral triangle and its height is
 a) 2:1
 c) $2 : \sqrt{3}$
13. In the figure, the area of shaded sector is 90% of the entire circle, then the value of x is
 a) 18°
 c) 45°
14. If the price of cooking oil increases by 25%, by how much percent should a consumer reduce his consumption of cooking oil to maintain his previous expenditure?
 a) 0%
 c) 25%
15. Shopkeeper sold two radios for Rs.960 each. If he gained 20% from one and loses 20% on other, the loss percent on his total transaction is
 b) a, \sqrt{a}, a^2
 d) a, a^2, \sqrt{a}
- b) $5x$
 d) $\frac{18}{5}x$
- b) $16\frac{2}{3}\%$
 d) $13\frac{1}{3}\%$
- b) 2×10^6
 d) 10^8
- b) $x - y - 1$
 d) $x(x - y - 1)(x + y - 1)$
- b) 13
 d) 9
- b) 20
 d) 89
- b) 1:2
 d) $\sqrt{3} : 2$
- b) 36°
 d) 54°
- b) 20%
 d) 1%



