

**SUB-ENGLISH**  
**FULL MARKS-30**

**DIRECTION:-Read the passage and answer the questions based on it.** Long ago Emerson wrote: "A man's task is his life-preserver." This seems to be remarkably correct in our modern life. The man without task is like a ship without a ballast and anchor, he is all too often merely a drifter. Few men seem to have initiative enough to choose a task for themselves if they do not need to work. When the inevitable disappointments come, as they assuredly will, they are completely overwhelmed. But the man, who has his task, has no time for vain regret; he escapes the disastrous fate which overtakes his less fortunate brother. Work is one of the greatest safety-valves which was ever invented, and youth especially needs it.

- 1. It seems to be remarkably correct in modern life that:** (1M)
  - (a) a man has enough leisure
  - (b) youth needs less work and more rest
  - (c) the correct choice of the task preserves one's life
  - (d) men fail to choose a task for themselves
- 2. The expression 'safety-valve' means:** (1M)
  - (a) something which blows up safety
  - (b) an outlet for rent-up energy
  - (c) something which guarantees safety
  - (d) a leaf of a folding door
- 3. A ship without ballast and anchor:** (1M)
  - (a) is in great danger
  - (b) can maintain proper balance
  - (c) is very safe
  - (d) may not go in the right direction
- 4. A man who suffers from vain regrets must have:** (1M)
  - (a) chosen his life's work rather carelessly
  - (b) met with disastrous fate
  - (c) been a victim of adverse circumstances
  - (d) fought with his less fortunate brother
- 5. A person has no time to regret who:** (1M)
  - (a) is always engrossed in work
  - (b) has chosen the right task to do
  - (c) has succeeded in life
  - (d) has a safe and secured life

**DIRECTION:-Read the passage and answer the questions based on it.**

On the morning of 31 August 1573, 3000 horsemen of the Mughal army paused at the banks of the Sabarmati. The rebels, they were after, lay just beyond the bloated river but the soldiers were exhausted: they had traversed 960 kilometers of difficult terrain in nine days, riding almost continuously. Suddenly a warrior on a chestnut charger plunged into the raging torrent. As the man and the horse struggled on to the opposite bank, a thrill ran through the army. It was the emperor, Jalaluddin Akbar! With a roar, the soldiers followed him across and within two days, they had put down the rebellion so thoroughly that Gujrat remained in Mughal hands for the next 185 years.

6. The expression “bloated river” means: (1M)  
(a) a deep river  
(b) a river in flood  
(c) a calm and serene river  
(d) a shallow river

7. The Mughal soldiers did not cross the river because : (1M)  
(a) they were fearful and cowards  
(b) they were waiting for the king to arrive  
(c) they had joined hands with the rebels  
(d) they were tired after a difficult journey

8. The passage best reflects emperor Jalaluddin Akbar as : (1M)  
(a) an ideal decision maker and lover of war  
(b) a kind administrator and keen judge of human nature  
(c) a man for whom it was difficult to face a challenging situation  
(d) a daring soldier ready to sacrifice personal comfort

9. The sudden arrival of King Akbar: (1M)  
(a) surprised the soldiers  
(b) angered the soldiers  
(c) enthused the soldiers  
(d) dismayed the soldiers

10. The attack on the rebels turned out to be: (1M)  
(a) a grand success  
(b) a dismal failure  
(c) of no particular significance  
(d) an ordinary affair

**Do as directed.**

11. She still remembers the day when she first \_\_\_\_\_(go) to church.  
(DIRECTION:- Choose the most appropriate Tense Form of the verb in bracket from the given options.) (1M)

- (a) went
- (b) was going
- (c) goes
- (d) had been going

12. When I reached the station, I found Shashi \_\_\_\_\_ (wait) for me.  
(DIRECTION:- Choose the most appropriate Tense Form of the verb in bracket from the given options.) (1M)

- (a) is waiting
- (b) waiting
- (c) waited
- (d) has been waiting

13. How many plates of rice \_\_\_\_\_ (you take) yesterday?  
(DIRECTION:- Choose the most appropriate Tense Form of the verb in bracket from the given options.) (1M)

- (a) you have taken
- (b) did you take
- (c) do you take
- (d) you took

14. The bank closes at two but the manager \_\_\_\_\_ allow you to get in. (**DIRECTION:- Choose the most appropriate Modal of Remote Possibility from the given options to complete the sentence.**) (1M)
- (a) can
  - (b) might
  - (c) will
  - (d) may
15. He \_\_\_\_\_ climb a coconut tree when he was eleven. (**DIRECTION:- Choose the most appropriate Modal of Ability from the given options to complete the sentence.**) (1M)
- (a) would
  - (b) can
  - (c) could
  - (d) might
16. They \_\_\_\_\_ have left home at 8.00. The train doesn't arrive till 10.00. (**DIRECTION:- Choose the most appropriate Modal of Necessity from the given options to complete the sentence.**) (1M)
- (a) mustn't
  - (b) shouldn't
  - (c) needn't
  - (d) daren't
17. A variety of subjects \_\_\_\_\_ taught in this school. (**DIRECTION:- Choose the most appropriate option to maintain Subject-Verb Agreement**) (1M)
- (a) is
  - (b) are
  - (c) were
  - (d) have been
18. Not only she but also all her sisters \_\_\_\_\_ married since long. (**DIRECTION:- Choose the most appropriate option to maintain Subject-Verb Agreement**) (1M)
- (a) has been
  - (b) have been
  - (c) is
  - (d) has
19. It is I who \_\_\_\_\_ responsible for the loss in the business. (**DIRECTION:- Choose the most appropriate option to maintain Subject-Verb Agreement**) (1M)
- (a) is
  - (b) am
  - (c) are
  - (d) Were

20. The traveler told me that he had visited many countries.  
**(DIRECTION:- Choose the most appropriate option to transform the sentence into a Direct Speech) (1M)**
- (a) The traveler said to me, "I visit many countries".
  - (b) The traveler said to me, "I have visited many countries".
  - (c) The traveler said to me, "He has visited many countries".
  - (d) The traveler told to me, "He visited many countries".
21. Madhu said to his sister, "Before going to Delhi, I shall meet Sushila". **(DIRECTION:- Choose the most appropriate option to transform the sentence into a Reported Speech) (1M)**
- (a) Madhu told his sister, before going to Delhi I would meet Sushila.
  - (b) Madhu told his sister that before he went to Delhi he should meet Sushila.
  - (c) Madhu told his sister that before going to Delhi he would meet Sushila.
  - (d) Madhu told his sister that before going to Delhi I shall meet Sushila.
22. He said to his Secretary, "Why don't you carry out orders exactly?" **(DIRECTION:- Choose the most appropriate option to transform the sentence into a Reported Speech) (1M)**
- (a) He asked his Secretary why didn't he carry out orders exactly?
  - (b) He asked his Secretary why does he not carry out orders exactly?
  - (c) He asked his Secretary why he does not carry out orders exactly.
  - (d) He asked his Secretary why he did not carry out orders exactly.
23. There was \_\_\_\_\_ snow last winter.  
**(DIRECTION:- Choose the most appropriate Determiner from the given options to make it a meaningful sentence.) (1M)**
- (a) few
  - (b) a lot of
  - (c) many
  - (d) a few
24. We spent \_\_\_\_\_ than forty dollars on our trip.  
**(DIRECTION:- Choose the most appropriate Determiner from the given options to make it a meaningful sentence.) (1M)**
- (a) fewer
  - (b) less
  - (c) lesser
  - (d) a little
25. The \_\_\_\_\_ money she had was also spent on medicines.  
**(DIRECTION:- Choose the most appropriate Determiner from the given options to make it a meaningful sentence.) (1M)**
- (a) few
  - (b) lots of
  - (c) much
  - (d) Little

26. People \_\_\_\_\_ John because he always makes time to help others. (**DIRECTION:- Choose the most appropriate Phasal Verb from the given alternatives to make it a meaningful sentence.**) (1M)
- (a) mark up
  - (b) look up to
  - (c) take up
  - (d) get rid of
27. **DIRECTION:- Choose the most appropriate meaning of the Phrasal Verb “get across” from the given alternatives.** (1M)
- (a) move from place to place
  - (b) survive financially in a difficult situation
  - (c) communicate something understandably
  - (d) have a friendly relationship
28. **DIRECTION:- Select the Phrasal Verb that means “meet by chance”:** (1M)
- (a) call on
  - (b) run into
  - (c) show up
  - (d) take off
29. Will you please stop beating about the bush and tell us the truth? (**DIRECTION:- Choose the most appropriate meaning of the underlined idiomatic expression out of the given alternatives.**) (1M)
- (a) to talk nonsense
  - (b) to talk endlessly without any purpose
  - (c) to talk about useless things without coming to the main point
  - (d) telling an interesting story about a situation
30. I stepped forward fully determined to take the bull by the horns. (**DIRECTION:- Choose the most appropriate meaning of the underlined idiomatic expression out of the given alternatives.**) (1M)
- (a) to act without any hesitation
  - (b) to be fully energetic
  - (c) to meet the danger boldly
  - (d) to act without preparation

## ECONOMICS QUESTIONS

1. Sustainable development focuses on more use of:
  - A. Renewable resources
  - B. Non-Renewable resources
  - C. Agricultural resources
  - D. Natural resources
2. Which of the following Acts would not apply to a company like TISCO?
  - A. Minimum wage act
  - B. National Rural Employment Guarantee Act
  - C. Factories Act
  - D. Payment of Gratuity Act
3. Why do banks keep a small proportion of their deposits as cash with themselves?
  - A. To extend loans to the poor
  - B. To extend loan facility
  - C. To pay salary to their staff
  - D. To pay the depositors who might come to withdraw money
4. Which one of the following is the new way of providing loans to the rural poor?
  - A. Co-operatives
  - B. Traders
  - C. Relatives & friends
  - D. Self Help Groups
5. The most common route for investments by MNCs in countries around the world is:
  - A. Set up new factories
  - B. Buy up existing local companies and then expand production
  - C. From partnership with local companies
  - D. Place orders to small producers
6. To get large orders, Indian exporters try hard to cut their own costs by:
  - A. Reducing cost of raw materials
  - B. Reducing advertising & marketing cost
  - C. Reducing electricity cost
  - D. Cutting labour cost
7. Which of the following is not a feature of a Multi National Company?
  - A. It owns or controls production in more than one nation.
  - B. It sets up factories where it is close to the markets.
  - C. It employs labour only from its own country.
  - D. It organises production in complex ways.
8. Railways is an example of:
  - A. Private sector
  - B. Public sector
  - C. Secondary sector
  - D. Primary sector

9. Underemployment occurs when people:
- A. Do not want to work
  - B. Are working in a lazy manner
  - C. Are working less than what they are capable of doing
  - D. Are not paid for their work
10. Which of the following is an economic activity?
- A. Reading of poetry by a poet
  - B. Teacher teaching in the class room
  - C. A teacher teaching his son
  - D. A nurse serving her child at home
11. The reason which helped West Bengal in reducing poverty?
- A. Human resource development
  - B. Public distribution of food grains
  - C. Population control
  - D. Land reform measures
12. Which of the following is not an anti-poverty programme?
- A. MGNREGA
  - B. AAY
  - C. NSSO
  - D. PMGY
13. Which age group of children is included for calculating Net Attendance Ratio?
- A. 14-15
  - B. 7-11
  - C. 6-14
  - D. 10-15
14. Special Economic Zones (SEZs) are being set up to attract
- (a) foreign tourists
  - (b) foreign investment
  - (c) foreign goods
  - (d) foreign policies
15. Removing barriers or restrictions set by the government is known as
- (a) Globalisation
  - (b) Privatisation
  - (c) Nationalism
  - (d) Liberalization
16. Which of the following could lead to a debt trap?
- a) The high interest rate for borrowing can mean that the amount to be repaid is greater than the income of the borrower.
  - b) Higher cost of borrowing means a larger part of the earnings of the borrowers is used to repay the loan.
  - c) The high interest rate for borrowing can mean that the amount to be repaid is lesser than the income of the borrower.
  - d) both (a) and (b.)

17. Which of the following statements are false?
- a) There is no organization which supervises the credit activities of lenders in the informal sector.
  - b) RBI stops the money lenders from using unfair means to get their money back.
  - c) Compared to the formal lenders, most of the informal lenders charges much lesser interest on loans
  - d) Only (b) and (c)
18. Which of the following statements are true regarding the organised sector?
- a) Workers in the organised sector enjoy the security of employment.
  - b) They are expected to work only a fixed number of hours.
  - c) If they work more, they have to be paid overtime by the employer.
  - d) All of the above.
19. Double coincidence of wants means \_\_\_\_\_.
- a) what a person desires to sell is exactly what the other person wishes to buy.
  - b) what a person desires to sell is exactly what the other person also wishes to sell.
  - c) what a person desires to buy is exactly what the other person also wishes to buy.
  - d) None of the above.
20. Pick out the correct meaning listed below to define 'average income'.
- (a) Average income of the country means the total income of the country.
  - (b) The average income in a country is the income of only employed people.
  - (c) The average income is the same as per capita income.
  - (d) The average income includes the value of property held.



## MATHEMATICS

Q1. Number of real solutions of  $(x^2 - 7x + 11)^{x^2 - 11x + 30} = 1$  is:

- (a) 4                      (b) 5                      (c) 6                      (d) no solution

Q2. Let  $x^2 - (m - 3)x + m = 0$ , ( $m \in \mathbb{R}$ ) be a quadratic equation, then the value of  $m$  for which roots are real and distinct is:

- (a)  $m < 1$               (b)  $m > 9$               (c)  $1 < m < 9$               (d)  $m < 1$  or  $m > 9$

Q3. The value of  $k$  for which the system of equations  $x + 2y - 3 = 0$  and  $5x + ky + 7 = 0$  has no solution is:

- (a) 6                      (b) 10                      (c) 3                      (d) 1

Q4. Out of the following relations:

(i)  $\frac{\sin A}{1 + \cos A} + \frac{\sin A}{1 - \cos A} = \frac{2}{\sin A}$

(ii)  $\left(\frac{1 + \cos A}{\sin A}\right)^2 = \frac{1 + \cos A}{1 - \cos A}$

(iii)  $\frac{\sin 10^\circ}{\cos 80^\circ} = 1$

(iv)  $\sin^4 A - \cos^4 A = 1 + \sin^2 A$  the wrong one is:

- (a) (i)                      (b) ii                      (c) iii                      (d) iv

Q5. If  $x = p \sec \theta$  and  $y = q \tan \theta$ , then

(a)  $x^2 - y^2 p^2 = q^2$  (b)  $x^2 q^2 - y^2 p^2 = pq$  (c)  $x^2 q^2 - y^2 p^2 = \frac{1}{p^2 q^2}$  (d)  $x^2 q^2 - y^2 p^2 = p^2 q^2$

Q6. If  $\cot \theta + \tan \theta = x$  and  $\sec \theta - \cos \theta = y$ , then the value of  $(x^2 y)^{2/3} - (x y^2)^{2/3}$  is:

- (a)  $-1/2$                       (b) 0                      (c)  $1/2$                       (d) 1

Q7. How many points  $(x, y)$  with integral coordinates are those whose distances from  $(1, 2)$  is two units?

- (a) One                      (b) two                      (c) three                      (d) four

Q8. The point which is equidistant from the points  $(0, 0)$ ,  $(0, 8)$  and  $(4, 6)$  is:

- (a)  $(0.5, -4)$               (b)  $(-0.5, 4)$               (c)  $(0.5, 4)$               (d)  $(-0.5, -4)$

Q9. A man purchases some oranges at the rate of 3 for Rs. 40 and the same quantity at 5 for Rs. 60 if he sells all the oranges at the rate of 3 for Rs. 50, find his gain or loss percent (to the nearest integer) .

- (a) 32% profit      (b) 31% loss      (c) 34% loss      (d) 31% profit

10. A publisher printed 2000 copies of a book at a cost of Rs. 70,000. He distributes 400 copies free specimen copies. He gave 30% discount on printed price of each book is Rs. 75, his gain or loss percentage.

- (a) 20% gain      (b) 20% loss      (c) 10% loss      (d) 10% gain

11. In what time will a sum of money double itself at 10% per annum simple interest being charged?

- (a) 8 yrs      (b) 12 yrs      (c) 18yrs      (d) 10yrs

12. A man had Rs. 2000, part of which he lent at 5% and rest at 4%. The whole annual interest was Rs. 92. How much did he lent at 5% ?

- (a) Rs. 1200      (b) Rs. 900      (c) Rs. 1100      (d) Rs. 1000

13. By selling 18 pizza , a vendor loses the selling price of 2 pizza, then his loss percent:

- (a) 80%      (b) 20%      (c) 10%      (d) 25%

Q14. Total number of values of 'a' so that  $x^2 - x - a = 0$  has integral roots,

Where  $a \in \mathbb{N}$  and  $6 \leq a \leq 100$ , is equal to

- (a) 2      (b) 4      (c) 6      (d) 8

Q15. The mean of three positive numbers is 10 more than the smallest of the numbers and 15 less than the largest of the three. If the median of the three numbers is 5, then the mean of squares of the number is:

- (a)  $108 \frac{2}{3}$       (b)  $116 \frac{2}{3}$       (c)  $208 \frac{1}{3}$       (d)  $216 \frac{2}{3}$

Q16. For which values of a and b does the following pair of linear equations an infinite number of solutions,  $2x + 3y = 7$ ,  $(a-b)x + (a+b)y = 3a + b - 2$

- (a)  $a = 5, b = 1$       (b)  $a = 4, b = 2$       (c)  $a = 1, b = 5$       (d)  $a = 2, b = 4$



Q22. The probability will not to be replaced at all.

- (a) 1                                      (b) 0                                      (c) 0.98                                      (d) 0.002

23. The probability that will be replaced at all

- (a) 1                                      (b) 0.77                                      (c) 0                                      (d) 0.98

24. A stall sells popcorn and chips in packets of three sizes: large, super, and jumbo. The numbers of large, super, and jumbo packets in its stock are in the ratio 7: 17: 16 for popcorn and 6: 15:14 for chips. If the total number of popcorn packets in its stock is the same as that of chips packets, then the numbers of Jumbo Popcorn Packets and Jumbo chips packets are in the ratio is:

- (a) 1:1                                      (b) 8:7                                      (c) 4:3                                      (d) 6:5

Q25. If a, b, c are three positive integers such that a and b are in the ratio 3 : 4 while b and c are in the ratio 2:1, then which one of the following is a possible value of (a + b + c)?

- (a)201                                      (b) 205                                      (c) 207                                      (d) 210

Q26. A candidate who gets 20% marks fails by 10 marks but another candidate who gets 42% marks gets 12% more than the passing marks, then the maximum marks is :

- (a)50                                      (b) 100                                      (c) 150                                      (d) 200

Q27. If three points  $(x_1, y_1)$ ,  $(x_2, y_2)$ ,  $(x_3, y_3)$  lie on the same line, then

$$\frac{y_2 - y_3}{x_2 x_3} + \frac{y_3 - y_1}{x_1 x_3} + \frac{y_1 - y_2}{x_1 x_2} \text{ is equal to:}$$

- (a) 0                                      (b) 1                                      (c) -1                                      (d) none of these

28. Ratio in which the point  $(-3, p)$  divides the line segment joining the points  $(-5, -4)$  and  $(-2, 3)$  is :

- (a) 1:2                                      (b) 2:3                                      (c) 2:1                                      (d) 3:2

29. The algebraic sum of the deviations of a frequency distribution from its mean is

- (a) always positive    (b) always negative    (c) 0    (d) a non-zero number

30.  $\sum f_i = 15$ ,  $\sum f_i x_i = 3P + 36$  and mean of any distribution is 3, then P is:

- (a) 2                                      (b) 3                                      (c) 4                                      (d) 5