|  |  |
| --- | --- |
| |  | | --- | | Questions:- 60 Duration:- 60 Min | |
| |  |  | | --- | --- | | 1) | A reduction in the price of pens enables a man to purchase 40 pens more in the amount in which he could purchase 160 pens at the original price. What is percentage of reduction in the price of pen? | |  | |  |  | | --- | --- | | a) | 10% | | b) | 15% | | c) | 20% | | d) | 25% |   . | |
| |  |  | | --- | --- | | 2) | A dishonest dealer professes to sell Rice at the cost price but uses a weight of 600gms instead of 1 kg. What is his gain percentage? | |  | |  |  | | --- | --- | | a) | 40% | | b) | 66 2/3% | | c) | 33 1/3% | | d) | 4 1/4% |   . | |
| |  |  | | --- | --- | | 3) | Three vessels of equal capacity contains 3/5, 7/10 and 11/15 full of milk. They are then filled up with water and the contents are mixed. What is the ratio of milk and water in the resultant mixture? | |  | |  |  | | --- | --- | | a) | 61:19 | | b) | 61:29 | | c) | 71:29 | | d) | 29:31 |   . | |
| |  |  | | --- | --- | | 4) | A grocer mixes 2 varieties of tea, one costing Rs.80/- per Kg and another Rs.40/- per Kg. In what proportion he should mix these so by selling at Rs.72/- per Kg, 20% is gained? | |  | |  |  | | --- | --- | | a) | 1:1 | | b) | 1:2 | | c) | 2:1 | | d) | None |   . | |
| |  |  | | --- | --- | | 5) | Circumference of the front wheel of a cart is 30 ft long and that of the back wheel is 36 ft long. What is the distance travelled by the cart, when the front wheel has done five more revolutions than the rear wheel? | |  | |  |  | | --- | --- | | a) | 20 ft | | b) | 25 ft | | c) | 750 ft | | d) | 900 ft |   . | |
| |  |  | | --- | --- | | 6) | Average cost of 5 apples and 4 mangoes is Rs. 36. The average cost of 7 apples and 8 mangoes is Rs. 48. Find the total cost of 24 apples and 24 mangoes? | |  | |  |  | | --- | --- | | a) | Rs.1044 | | b) | Rs.2088 | | c) | Rs.168 | | d) | None |   . | |
| |  |  | | --- | --- | | 7) | A and B can together finish a work in 30 days. They worked at it for 20 days and then B left. The remaining work was done by A alone in 20 more days. A alone can finish the work in : | |  | |  |  | | --- | --- | | a) | 48 days | | b) | 50 days | | c) | 54 days | | d) | 60 days |   . | |
| |  |  | | --- | --- | | 8) | If 'A27315B' is a seven digit number which is divisible by 72 then find the value of A? | |  | |  |  | | --- | --- | | a) | 3 | | b) | 5 | | c) | 7 | | d) | None |   . | |
| |  |  | | --- | --- | | 9) | A watch which is gaining uniformly was found to be slow by 3 minutes on Monday at 2.00P.M. In the same week on Friday at 4.00P.M. The watch was found to be fast by 4 minutes. On which day and at what time will the watch show correct time? | |  | |  |  | | --- | --- | | a) | 4P.M on Thursday | | b) | 8.00A.M on Wednesday | | c) | 6P.M on Thursday | | d) | 10.00P.M on Wednesday |   . | |
| |  |  | | --- | --- | | 10) | In a race of 1000 meters, A defeats B by 200 meters and B defeats C by 120 meters. In the same race A defeats C by how many meters? | |  | |  |  | | --- | --- | | a) | 320 Meters | | b) | 360 Meters | | c) | 704 Meters | | d) | None |   . | |
| |  |  | | --- | --- | | 11) | A clock is so placed that at 2 p.m. the minute hand points towards north-west. In which direction does the hour hand point at 6.00 p.m.? | |  | |  |  | | --- | --- | | a) | North-West | | b) | West | | c) | North-East | | d) | South-East |   . | |
| |  | | --- | | Directions for question 12: Use the relationships defined below to solve the question  P x Q means P is the father of A P \* Q means P is the sister of Q P + Q means P is the brother of Q P – Q means P is the mother of Q P / Q means P is the son of Q P = Q means P is the daughter of Q | |
| |  |  | | --- | --- | | 12) | Which of the following means X is a grandfather of Y? | |  | |  |  | | --- | --- | | a) | X x Z x Y | | b) | Y x Z / x | | c) | Z \* X = Y | | d) | X + Y / Z |   . | |
| |  |  | | --- | --- | | 13) | Find the next number in the series 10, 30, 130, 340, \_\_\_\_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 615 | | b) | 738 | | c) | 1010 | | d) | 1342 |   . | |
| |  |  | | --- | --- | | 14) | AY, BZ, CW, DX, \_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | GU | | b) | FV | | c) | EV | | d) | EU |   . | |
| |  |  | | --- | --- | | 15) | If "MANGO" = 20 and "ORANGE" = 30 then what is the value of PINEAPPLE? | |  | |  |  | | --- | --- | | a) | 69 | | b) | 44 | | c) | 50 | | d) | None of these |   . | |
| |  | | --- | | Direction for question 16: The question is based on the data given below:  In a class there are 70 students. For every 3 students playing Cricket there are 4 students playing Hockey. For every 6 students playing Cricket there are 2 students playing both Cricket and Hockey and 2 students playing none. | |
| |  |  | | --- | --- | | 16) | How many students do not play Hockey? | |  | |  |  | | --- | --- | | a) | 38 | | b) | 30 | | c) | 24 | | d) | 12 |   . | |
| |  |  | | --- | --- | | 17) | If 3 \* 7 = 58, 5 \* 6 =? | |  | |  |  | | --- | --- | | a) | 39 | | b) | 61 | | c) | 81 | | d) | 90 |   . | |
| |  |  | | --- | --- | | 18) | Seven persons are standing in a row. Q is standing left to R but right to P. O is standing right to N and left to P. S is standing right to R and left to T. Who is standing in the middle? | |  | |  |  | | --- | --- | | a) | P | | b) | Q | | c) | R | | d) | O |   . | |
| |  |  | | --- | --- | | 19) | If 'p' means 'x', 'q' means '+', 'r' means '+' and 's' means 'x' then 32 p 8q 10 s 16 r 4 =? | |  | |  |  | | --- | --- | | a) | -16 | | b) | 64 | | c) | 40 | | d) | 24 |   . | |
| |  |  | | --- | --- | | 20) | A Large cube is formed using 64 smaller identical cubes. How many such identical cubes are required to completely cover this larger cube? | |  | |  |  | | --- | --- | | a) | 152 | | b) | 125 | | c) | 96 | | d) | 90 |   . | |
| |  | | --- | | Direction for question 21 to 25: Select the alternative that logically follows from the two given statements: | |
| |  |  | | --- | --- | | 21) | Statement 1: Many fathers are brothers  Statement 2: All brothers are priests | |  | |  |  | | --- | --- | | a) | No father is a priest | | b) | Some fathers are not priests | | c) | Many fathers are priests | | d) | Both (b) and (c) above |   . | |
| |  |  | | --- | --- | | 22) | Statement 1: Some candles are sticks  Statement 2: All pencils are sticks | |  | |  |  | | --- | --- | | a) | Some candles are pencils | | b) | Some candles are not pencils | | c) | Both (a) and (b) above | | d) | None of the above |   . | |
| |  |  | | --- | --- | | 23) | Statement 1: Some papers are books Statement 2: All books are made of wood | |  | |  |  | | --- | --- | | a) | Some papers are made of wood | | b) | Some papers are not made of wood | | c) | No paper is made of wood | | d) | All papers are made of wood |   . | |
| |  |  | | --- | --- | | 24) | Statement 1:Some flowers are red  Statement 2: Some red are bright | |  | |  |  | | --- | --- | | a) | Some flowers are bright | | b) | Some bright are flowers | | c) | Both a and b | | d) | None of the above |   . | |
| |  |  | | --- | --- | | 25) | Statement 1:Some leaves are green  Statement 2: No green are dark | |  | |  |  | | --- | --- | | a) | Some leaves are dark | | b) | Some leaves are not dark | | c) | Both a and b | | d) | All leaves are dark |   . | |
| |  | | --- | | Directions for Questions (26-30)  Read the statement and the inference given under it, carefully to give your answer as:  '1' if the Inference is True '2' if the Inference is False '3' if the Inference is Uncertain '4' if None of the above. | |
| |  |  | | --- | --- | | 26) | Statement: I am going to the movie, because I am feeling lonely  Inference: Whenever I am alone, I go to the movie. | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  |  | | --- | --- | | 27) | Statement: While addressing the employees in a meeting, the CEO who is leading an Organization told that 'Leaders are often made but are not born'  Inference: The CEO is not a born leader | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  |  | | --- | --- | | 28) | Statement: The sky is clear and the weather is normal, therefore Air Traffic Controller (ATC) can give instruction to the pilot for landing the aircraft on the runway.  Inference: A pilot has to follow the instructions of ATC to land the aircraft on runway. | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  |  | | --- | --- | | 29) | Statement: Sailors are advised not to venture into the sea during cyclones  Inference: Cyclones create a dangerous climate on seas which is harmful for the people to venture. | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  |  | | --- | --- | | 30) | Statement: Most of the existing laws are to be amended so that the convict of crime be punished severely. Inference: The existing laws are not punishing the guilty severely. | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  | | --- | | Directions for Questions (31-35)  Read the given question and the data given under it, carefully to give your answer as:  '1' if the Data 1 alone is sufficient '2' if Data 2 alone is sufficient '3' Both Data 1 and Data 2 are required '4' if Data is not sufficient | |
| |  |  | | --- | --- | | 31) | What is the rate of interest?  Data 1: The difference between the simple interest and compound interest on sum of Rs 1500 at the same rate of interest is Rs 150  Data 2: The time period involved in both the cases is 2 yrs | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  |  | | --- | --- | | 32) | What is the profit earned in the transaction?  Data 1: Two pens are sold for six rupees  Data 2: Three pens are bought for three rupees | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  |  | | --- | --- | | 33) | What is the time taken to fill an empty tank?  Data 1: Tap A can fill the tank in 9 hrs and tap B will take 18 hrs to fill the same tank  Data 2: The tank is of 9000 liters capacity. | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  |  | | --- | --- | | 34) | What is x?  Data 1: x2 – 4 = 0  Data 2: x3 + 8 = 0 | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  |  | | --- | --- | | 35) | Does the price of vegetable rise this year?  Data1: The cultivation of vegetables has come down drastically  Data 2: The export of vegetables has gone up drastically | |  | |  |  | | --- | --- | | a) | 1 | | b) | 2 | | c) | 3 | | d) | 4 |   . | |
| |  | | --- | | Directions for question number 36 to 40.  Study the given table below and answer the question. | |
| |  |  | | --- | --- | | 36) | Find the number of students who passed in the assessment test from the branch IT? | |  | |  |  | | --- | --- | | a) | 9 | | b) | 18 | | c) | 27 | | d) | 36 |   . | |
| |  |  | | --- | --- | | 37) | Find the number of students who failed in the assessment test from the branch EEE? | |  | |  |  | | --- | --- | | a) | 90 | | b) | 81 | | c) | 72 | | d) | 60 |   . | |
| |  |  | | --- | --- | | 38) | Find the ratio of the number of students who passed in ECE to that of the students who passed in CSE? | |  | |  |  | | --- | --- | | a) | 27:80 | | b) | 80:27 | | c) | 24:37 | | d) | 37:24 |   . | |
| |  |  | | --- | --- | | 39) | By what percent is the number of students who passed the assessment test in CE more or less than the number of students who passed in ME? | |  | |  |  | | --- | --- | | a) | 78.6 % | | b) | 21.4% | | c) | 366.67% | | d) | 233.33% |   . | |
| |  |  | | --- | --- | | 40) | Find the percentage of students who passed the assessment test in the college? | |  | |  |  | | --- | --- | | a) | 46.67% | | b) | 33.33% | | c) | 27.33% | | d) | 17.67% |   . | |
| |  | | --- | | Directions for question number 41 to 48.  Choose the appropriate alternative to fill the blank: | |
| |  |  | | --- | --- | | 41) | Almost all fruits and vegetables contain multi-vitamins \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Apple. | |  | |  |  | | --- | --- | | a) | Along-side | | b) | beside | | c) | besides | | d) | including |   . | |
| |  |  | | --- | --- | | 42) | Our College is located \_\_\_\_\_\_\_\_\_\_\_ National highway. | |  | |  |  | | --- | --- | | a) | By | | b) | on | | c) | in | | d) | at |   . | |
| |  |  | | --- | --- | | 43) | Ranvir, being an incorrigible \_\_\_\_\_\_\_\_\_\_\_\_ he will never tell the \_\_\_\_\_\_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | Liar – truth | | b) | idiot – story | | c) | offender – details | | d) | Person – reason |   . | |
| |  |  | | --- | --- | | 44) | The quality of the oranges \_\_\_\_\_\_\_\_not good. | |  | |  |  | | --- | --- | | a) | is | | b) | are | | c) | were | | d) | none |   . | |
| |  |  | | --- | --- | | 45) | Nineteenth - century scholars, by examining earlier geometric Greek art, found that classical Greek art was not a magical \_\_\_\_\_\_\_ or a brilliant \_\_\_\_\_\_\_\_\_ blending Egyptian and Assyrian art, but was independently evolved by Greeks in Greece. | |  | |  |  | | --- | --- | | a) | conversion - annexation | | b) | apparition - amalgam | | c) | stratagem - appropriation | | d) | paradigm – construct |   . | |
| |  |  | | --- | --- | | 46) | The \_\_\_\_\_\_\_\_\_\_ of various reports and surveys \_\_\_\_\_\_\_\_\_\_\_\_\_ that there is a correlation between the poverty and crime. | |  | |  |  | | --- | --- | | a) | Analysis-shows | | b) | analyses-show | | c) | analyses - shows | | d) | None |   . | |
| |  |  | | --- | --- | | 47) | The television, along with the cabinet, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to be sold. | |  | |  |  | | --- | --- | | a) | is | | b) | are | | c) | were | | d) | none |   . | |
| |  |  | | --- | --- | | 48) | In \_\_\_\_\_\_\_\_\_ the News \_\_\_\_\_ travelling faster than ever before | |  | |  |  | | --- | --- | | a) | the modern age - are | | b) | present days - is | | c) | the modern age – is | | d) | None |   . | |
| |  | | --- | | Directions for question number 49 to 50 - Give the antonym for the given word. | |
| |  |  | | --- | --- | | 49) | ABOMINATE : | |  | |  |  | | --- | --- | | a) | loathe | | b) | despise | | c) | adore | | d) | abhor |   . | |
| |  |  | | --- | --- | | 50) | PLENITUDE : | |  | |  |  | | --- | --- | | a) | luxury | | b) | magnificence | | c) | richness | | d) | scarcity |   . | |
| |  | | --- | | Directions for question number 51 to 60 – Read the passage carefully and answer the  questions that follow:  Passage 1 (Questions 51 to 53)  The Food and Drug Administration has formulated certain severe restrictions regarding  the use of antibiotics, which are used to promote the health and growth of meat animals.  Though the different types of medicines mixed with the fodder of the animals' kills many  microorganisms, it also encourages the appearance of bacterial strains, which are resistant to  anti-infective drugs.  It has already been observed that penicillin and the tetracyclines are not as effective  therapeutically as they once used to be. This resistance to drugs is chiefly caused due to  tiny circlets of genes, called plasmids, which are transferable between different species  of bacteria. These plasmids are also one of the two kinds of vehicles on which molecular  biologists depend on while performing gene transplant experiments. Existing guidelines also  forbid the use of plasmids, which bear genes for resistance to antibiotics, in the laboratories.  Though congressional dabate goes on as to whether these restrictions need to be toughened  with reference to scientists in their laboratories, almost no congressional attention is being  paid to an ill advised agricultural practice, which produces deleterious effects. | |
| |  |  | | --- | --- | | 51) | In the present passage, the author's primary concern is with: | |  | |  |  | | --- | --- | | a) | The discovery of methods, which eliminate harmful microorganisms without generating drug-resistant bacteria. | | b) | Attempting an explanation of the reasons for congressional inaction about the regulation of gene transplant experiments. | | c) | Portraying a problematic agricultural practice and its serious genetic consequences | | d) | The verification of the therapeutic ineffectiveness of anti- infective drugs |   . | |
| |  |  | | --- | --- | | 52) | As inferred from the above passage, the mutual transfer of plasmids between different bacteria can result in which of the following? | |  | |  |  | | --- | --- | | a) | Microorganisms, which have an in-built resistance to drugs | | b) | Therapeutically useful circlets of genes | | c) | Penicillin like anti-infective drugs | | d) | Viruses used by molecular biologists |   . | |
| |  |  | | --- | --- | | 53) | According to the above passage the author believes that those who favor the stiffening of restrictions on gene transplant research should logically also. | |  | |  |  | | --- | --- | | a) | Approve and aid experiments with any plasmids except those, which bear genes for antibiotic resistance. | | b) | Inquire regarding the addition of anti-infective drugs to livestock feeds | | c) | Oppose the using of penicillin and tetracyclines in order to kill microorganisms | | d) | Agree to the development of meatier live-stock through the use of antibiotics |   . | |
| |  | | --- | | Passage 2 (Questions 54 to 60)  Roger Rosenblatt's book Black Fiction, manages to alter the approach taken in many  previous studies by making an attempt to apply literary rather than sociopolitical criteria  to its subject. Rosenblatt points out that criticism of Black writing has very often served as  a pretext for an expounding on Black history. The recent work of Addison Gayle's passes  a judgement on the value of Black fiction by clearly political standards, rating each work  according to the ideas of Black identity, which it propounds.  Though fiction results from political circumstances, its author react not in ideological ways  to those circumstances, and talking about novels and stories primarily as instruments of  ideology circumvents much of the fictional enterprise. Affinities and connections are revealed  in the works of Black fiction in Rosenblatt's literary analysis; these affinities and connections  have been overlooked and ignored by solely political studies.  The writing of acceptable criticism of Black fiction, however, presumes giving satisfactory  answers to a quite a few questions. The most important of all, is there a sufficient reason,  apart from the racial identity of the authors, for the grouping together of Black authors?  Secondly, what is the distinction of Black fiction from other modern fiction with which it  is largely contemporaneous? In the work Rosenblatt demonstrates that Black fiction is a  distinct body of writing, which has an identifiable, coherent literary tradition. He highlights  recurring concerns and designs, which are independent of chronology in Black fiction written  over the past eighty years. These concerns and designs are thematic, and they come form the  central fact of the predominant white culture, where the Black characters in the novel are  situated irrespective of whether they attempt to conform to that culture or they rebel against  it.  Rosenblatt's work does leave certain aesthetic questions open. His thematic analysis allows  considerable objectivity; he even clearly states that he does not intend to judge the merit of  the various works yet his reluctance seems misplaced, especially since an attempt to appraise  might have led to interesting results. For example, certain novels have an appearance of  structural diffusion. Is this a defeat, or are the authors working out of, or attempting to  forge, a different kind of aesthetic? Apart from this, the style of certain Black novels, like  Jean Toomer's Cane, verges on expressionism or surrealism; does this technique provide a  counterpoint to the prevalent theme that portrays the fate against which Black heroes are  pitted, a theme usually conveyed by more naturalistic modes of expressions?  Irrespective of such omissions, what Rosenblatt talks about in his work makes for an astute  and worthwhile study. His book very effectively surveys a variety of novels, highlighting  certain fascinating and little-known works like James Weldon Johnson's Autobiography of  an Ex-Coloured Man. Black Fiction is tightly constructed, and levelheaded and penetrating  criticism is exemplified in its forthright and lucid style. | |
| |  |  | | --- | --- | | 54) | The author of the passage raises and objection to criticism of Black fiction like that by Addison Gayle as it: | |  | |  |  | | --- | --- | | a) | Highlights only the purely literary aspects of such works | | b) | Misconceive the ideological content of such fiction Aptitude Test | | c) | Miscalculate the notions of Black identity presented in such fiction | | d) | Replaces political for literary criteria in evaluating such fiction |   . | |
| |  |  | | --- | --- | | 55) | The primary concern of the author in the above passage is: | |  | |  |  | | --- | --- | | a) | Reviewing the validity of a work of criticism | | b) | Comparing various critical approaches to a subject | | c) | Talking of the limitations of a particular kind of criticism | | d) | Recapitulation of the major points in a work of criticism |   . | |
| |  |  | | --- | --- | | 56) | The author is of the opinion that Black Fiction would have been improved had Rosenblatt: | |  | |  |  | | --- | --- | | a) | Undertaken a more careful evaluation of the ideological and historical aspects of Black Fiction | | b) | Been more objective in his approach to novels and stories by Black authors | | c) | Attempted a more detailed exploration of the recurring themes in Black fiction throughout its history | | d) | Calculated the relative literary merit of the novels he analyzed thematically. |   . | |
| |  |  | | --- | --- | | 57) | Rosenblatt's discussion of Black Fiction is : | |  | |  |  | | --- | --- | | a) | Pedantic and contentious | | b) | Critical but admiring | | c) | Ironic and deprecating | | d) | Argumentative but unfocused |   . | |
| |  |  | | --- | --- | | 58) | According to the given passage the author would be LEAST likely to approve of which among the following? | |  | |  |  | | --- | --- | | a) | Analyzing the influence of political events on the personal ideology of Black writers | | b) | Attempting a critical study, which applies sociopolitical criteria to the autobiographies of Black authors | | c) | A literary study of Black poetry that appraises the merits of poems according to the political acceptability of their themes | | d) | Studying the growth of a distinct Black literary tradition within the context of Black history |   . | |
| |  |  | | --- | --- | | 59) | From the following options, which does the author not make use of while discussing Black Fiction? | |  | |  |  | | --- | --- | | a) | Rhetorical questions | | b) | Specific examples | | c) | Comparison and contrast | | d) | Definition of terms |   . | |
| |  |  | | --- | --- | | 60) | The author makes a reference to James Weldon Johnson's Autobiography of an Ex-colored Man most probably to: | |  | |  |  | | --- | --- | | a) | Highlight the affinities between Rosenblatt's method of thematic analysis and earlier criticism | | b) | Elucidate regarding the point made regarding expressionistic style earlier in the passage | | c) | Qualify the assessment of Rosenblatt's book made in the first paragraph of the passage | | d) | Present a specific example of one of the accomplishments of Rosenblatt's work. |   . | |