CBRT - 2020
Question Paper Grid

Menu


## Assistant Director of Education

## Passage:

Of all forms of literature, however, the essay is the one which least calls for the use of long words. The principle which controls it is simply that it should give pleasure; the desire which impels us when we take it from the shelf is simply to receive pleasure. Everything in an essay must be subdued to that end. It should lay us under a spell with its first word, and we should only wake, refreshed, with its last. In the interval we may pass through the most various experiences of amusement, surprise, interest, indignation. We may soar to the heights of fantasy with Lamb or plunge to the depths of wisdom with Bacon, but we must never be roused.

## Itemcode : AE1066

Q1: As per the above passage, the differentiating characteristic of the Essay from other literary forms is
(a) interest
(b) conciseness
(c) amusement
(d) pleasure

Key: B

## Itemcode : AE1067

Q2 : Select a synonymous expression or word for "impels" from the given options
(a) drives from within
(b) pleads with
(c) compels
(d) forces

Key: A

## Itemcode : AE1068

Q3 : "Everything in an Essay must be subdued to that end". What is implied by the phrase "that end" here?
(a) the final part
(b) the happy ending
(c) that objective
(d) that conclusion

Key: C

## Itemcode : AE1069

Q4 : What is meant by "subdued" in the present context?
(a) toned down
(b) lowered
(c) defeated
(d) made secondary

Key: A

## Itemcode : AE1070

Q5 : Identify from the given options the correct antonyms of "interest, pleasure, indignation," in their respective order.
(a) keenness, amusement, disdain
(b) boredom, displeasure, contentment
(c) enthusiasm, contentment, disdain
(d) monotony, unhappiness, sympathy

Key: B

## Passage:

The efficiency of human memory is amazing. Modern man remembers even telephone numbers and names of actors and actresses and cricketers and
footballers and murderers. Thus, he can remember almost everything in his life. For example, a man does not forget a single item of his clothing when dressing. Similarly, no one forgets to shut the front door when leaving the house. In fact, the institution of family survives in modern cities because ordinary people have efficient memory. However, in some matters human memory works less than its usual perfection. For example, most people forget to take the medicine. But they don't forget to take meals and medicines are usually taken before or after or during meals.
Psychologists say that we forget things because we wish to forget them. So people don't like medicines and that is why they forget them. In a lighter vein it can be deduced that the chemists make a lot of money because people forget to take medicines and their illness is not cured and they buy more and more medicines.

## Itemcode : AE1071

Q6 : The statement, " In fact, the institution of family survives in modern cities because ordinary people have efficient memory", has been made to
(a) praise families in modern cities
(b) illustrate the efficiency of memory
(c) mock families in modern villages
(d) as a paradox with village life

Key: B

## Itemcode : AE1072

Q7 : From the options given below choose the odd one out
(a) efficiency
(b) competence
(c) efficacy
(d) efficient

Key: C

## Itemcode : AE1073

Q8: " It can be deduced that the chemists make a lot of money because people forget to take medicines".
The above statement in the passage is
(a) an exaggeration of facts
(b) a distortion of facts
(c) a humorous observation on forgetting
(d) all the above

Key: D

## Itemcode : AE1074

Q9: "However, in some matters human memory works less than its usual perfection." In the context of the entire passage this statement is by far
(a) an indictment of human memory
(b) a compliment to human memory
(c) a critique of forgetful people
(d) an overstatement about memory

Key: B

## Itemcode : AE1075

Q10 From the options provided below, find the antonym for the word "amazing"
:
(a) astounding
(b) astonishing
(c) commonplace
(d) bewildering

Key: C

## Itemcode : AE1031

Q11 Which of the following words is a term?
:
(a) Opportunity.
(b) Repeat.
(c) Above the hill.
(d) Everywhere but here

Key: A

## Itemcode: AE1032

Q12 Salt is a nonpoisonous compound. Therefore, its component elements, sodium and chlorine, are nonpoisonous. The : problem with the given argument is:
(a) Missing the point.
(b) False cause
(c) Division.
(d) Composition

Key: C

## Itemcode: AE1033

Q13 The death penalty is clearly immoral. This is so because life is intrinsically valuable. And this follows from the fact that : human beings are ends in themselves. And we know this is true because human beings have a right not to be killed which follows from the fact that the state has no right to take human life. And why is this true? Because the death penalty is clearly immoral. This is:
(a) Begging the question
(b) False cause.
(c) Slippery slope.
(d) Good argument

Key: A

## Itemcode : AE1034

Q14
: From the following square, find out the relationships between statements.
If all the four statements have same subject and predicate and the given statement 'some
x is $\mathrm{y}^{\prime}$ is true, then what does NOT follow:


Some $x$ is $y$.
Some $x$ is not $y$.
i) All $x$ is $y$ is doubtful
ii) No x is y is false.
iii) Some x is not y is doubtful
iv) Some x is not y is true
(a) Only (i) does not follow
(b) Only (i) and (ii) do not follow
(c) Only (iii) does not follow
(d) Only (iv) does not follow

Key: D

## Itemcode : AE1035

Q15 Which statement is logically equivalent to the statement 'it is not the case that 'No politicians are corrupted'? :
(a) All politicians are corrupted.
(b) Some politicians are not corrupted.
(c) Some corrupted beings are not politicians.
(d) Some politicians are corrupted.

Key: D

## Itemcode : AE1036

Q16 A six sided unbiased die with four green faces and two red faces is rolled seven times. Which of the following : combinations is the most likely outcome of the experiment?
(a) Three green faces four red faces
(b) Four green faces and three red faces
(c) Five green faces and two red faces
(d) Six green faces and one red face

Key: C

## Itemcode : AE1037

Q17 Six people are seated around a circular table. There are atleast two men and two women. There are at-least three right : handed persons. Every woman has a left handed person to her immediate right. None of the women are right handed. The number of women at table is
(a) 2
(b) 3
(c) 4
(d) Cannot be determined

Key: A

## Itemcode : AE1038

Q18 Five sentences are given below, in options. They need to be arranged in a logical order to form a coherent : paragraph/passage. From the given options, choose the most appropriate sequence.
a. It is estimated that over 99 per cent of Bangalore silk saris are being made with Chinese silk yarn.
b. Markets across Indian towns and cities that are flooded with Chinese products, more so around festivals such as Deepavali, are grim reminders of how Made-in-China has come to dominate homes and offices.
c. JLR's China launch has set alarm bells ringing for the Modi government: "Make in India" will have to go quickly from being a statement of intent to real action on the ground.
d. From furniture and gadgets to industrial equipment, India is importing almost all products from its neighbour, even yarn for saris.
e. The five-year period of 2005-06 to 2009-10 was one of a smart 10 per cent plus growth for the manufacturing sector when several advantages - engineering skills, a growing domestic market, a raw material base and a large pool of skilled labour - trumped the vast barriers to doing business in India.
(a) abedc
(b) ecbda
(c) bcdea
(d) edbca

Key: B

## Itemcode : AE1039

Q19 Four sentences are given below, in options. Of these, three sentences need to be arranged in a logical order to form a : coherent paragraph/passage. From the given options, choose the one that does not fit the sequence.
(a) Half of the children were conceived naturally, without the help of IVF.
(b) Ovarian tissue transplants for women who want to have a baby after cancer treatment appear to be safe and are very successful, according to a team of experts in Denmark.
(c) One in three young women who had a transplant and wanted to become pregnant succeeded in having a baby, analysis of results over the last 10 years has shown.
(d) In Denmark, young women with cancer are routinely offered ovarian tissue freezing, but it is not automatic in the UK or elsewhere.
Key: D

## Itemcode : AE1040

Q20 Given below are four sentences that form a paragraph. Identify the sentence(s) or part(s) of sentence(s) that is/are : correct in terms of grammar and usage (including spelling, punctuation and logical consistency). Then, choose the most appropriate option
a. "There are very less three-month-long assignments out there," says freelance photographer Ivor Prickett.
b. So when the Irish photographer was offered one by United Nations Refugee Agency, he didn't hesitate.
c. "I was approached to cover the Syrian refugee crisis in the Middle East
d. It was a topic I was already interested in, so it's not a hard decision to say yes."
(a) b and c
(b) a and d
(c) only c
(d) a, b and d

Key: C

## Itemcode: AE1041

Q21 Given below are four sentences that form a paragraph. Identify the sentence(s) or part(s) of sentence(s) that is/are : correct in terms of grammar and usage (including spelling, punctuation and logical consistency). Then, choose the most appropriate option
J. Potash was the name given to a potassium-rich substance that is obtained by soaking ashes in pots of water, the process that gave it its name.
K. But today a different method is used to obtain the commodity.
L. Water is pumped underground to dissolve buried potash ore before being pumped into the evaporation ponds.
M. The water is dyed deep blue to absorb heat and evaporate quicker, leaving behind the potash and salts.
(a) K and L
(b) J and M
(c) J, K and L
(d) Only M

Key: A

## Itemcode : AE1042

Q22 The given text is followed by four alternate summaries. Choose the option that best captures the essence of the text
: Tourism officials have closed a newly opened glass walkway in a central China tourism spot after cracks appeared in the structure at the height of the week-long National Day holiday. The glass walkway in Henan province's Yuntaishan scenic area had been supporting dozens of tourists on Monday when the cracks appeared with a loud bang. A single pane of the 68 m -long ( 223 foot) section shattered into coin-sized segments, according to footage on state broadcaster CCTV. The area's management bureau said on its microblog on Thursday that there was no threat to safety because only one of the three layers of glass that make up the walkway was damaged.
(a) The newly opened glass walkway in China has suffered cracks but the cracks are not a threat to safety.
(b) The tourism officials of China have closed the newly opened glass walkway due to certain cracks appearing in the structure. These cracks were not considered a threat to safety by the area's management bureau.
(c) The newly opened glass walkway in China has suffered cracks and even though it is not a threat to safety, the walkway has been shut down by the tourism officials.
(d) Despite the management bureau's assurance that the cracks in the newly opened glass walkway are superficial, the tourism officials of China have closed it.
Key: B

## Itemcode : AE1043

Q23 Santosh was walking to and fro on a railway platform. He was walking at a uniform speed of $4 \mathrm{~km} / \mathrm{hr}$ in a straight path : and he reverses his direction of motion at the end of fourth, seventh, ninth and thirteenth minutes, how far will he be from the starting point at the end of the tenth minute?
(a) $2 / 15 \mathrm{~km}$
(b) $3 / 15 \mathrm{~km}$
(c) $4 / 15 \mathrm{~km}$
(d) 0 km

Key: A

## Itemcode : AE1044

Q24 Ram's watch is 10 min slow but he thinks it is 5 min fast. Rahim's watch is 5 min fast but he thinks it is 10 min slow. : Both plan to catch a flight, which is supposed to leave at 6 o'clock. If both reach the airport exactly at the expected departure based upon their understanding of their respective watches, which of the following is definitely true?
(a) Rahim reached the airport 30 minutes before Ram
(b) Both reached together at 6'o clock
(c) Ram reached the airport 15 minutes before Rahim
(d) Rahim reached the airport 15 minutes before Ram

Key: A

## Itemcode: AE1045

Q25 The germination of seeds is estimated by a probability of 0.8 . What is the probability that out of five seeds sown at : least four will germinate?
(a) 0.73728
(b) 0.4096
(c) 0.08192
(d) None of these

Key: A

## Itemcode : AE1046

Q26 Mayank can do as much work in 2 days as Kulmohan can do in 3 days, and Kulmohan can do as much in 4 days as Vijay : in 5 days. Three of them working together can complete a piece of work in 20 days. How long would Kulmohan alone take to complete the work?
(a) 80 days
(b) 60 days
(c) 46 days
(d) 66 days

Key: D

## Itemcode : AE1047

Q27 A contractor, having ' $n$ ' trucks, did not have space in his garage for 8 of his trucks. He, therefore, increased the size of : his garage by $50 \%$ which gave him space for 8 more trucks than what he owned at that time. What is the value of ' $n$ '?
(a) 30
(b) 40
(c) 50
(d) 60

Key: B

## Itemcode : AE1048

Q28 Simran was looking at a portrait. Pooja asked her "Whose picture are you looking at?" Simran replied "I do not have : brothers or sisters. This woman's mother is my mother's daughter." ("this woman's mother", means, the mother of the woman in the picture). Whose picture was Simran looking at?
(a) Simran
(b) Simran's mother
(c) Simran's daughter
(d) Insufficient data

Key: C

## Itemcode : AE1049

Q29 24 red socks and 24 blue socks are lying in a drawer in a dark room. What is the minimum number of socks I must take : out of the drawer which will guarantee that I have at least two socks of the same color?
(a) 2
(b) 3
(c) 24
(d) 25

Key: B

## Itemcode : AE1050

Q30 Answer the question using the following facts:
: In a kingdom there are three kinds of people: Vikrams, Vetals, and Aams. The Vikrams always tells truth, the Vetals always tells lies, and the Aams sometimes lies and sometimes tell truth.

We are given three people: A, B, C. One of them is a Vikram, one of them is Vetal and one of them is Aam (not necessarily in this order). They make the following statements:
A said: I am Aam.
$B$ said: What A said is true.
$C$ said: I am not Aam.
What are $A, B$ and $C$ ?
(a) Aam, Vikram, Vetal
(b) Aam, Vetal, Vikram
(c) Vikram, Vetal, Aam
(d) Vetal, Aam, Vikram

Key: D

## Itemcode : AE1051

Q31 Answer the question using the following facts:
: In a kingdom there are three kinds of people: Vikrams, Vetals, and Aams. The Vikrams always tells truth, the Vetals always tells lies, and the Aams sometimes lies and sometimes tell truth.

1. Marriages in that kingdom is strange. Aam people marry only Aam people. Vikrams marry only Vetals and Vetals marry only Vikrams. We meet a married couple Mr. and Mrs. Z. They make the following statements:
Mr. Z: My wife is not Aam
Mrs Z: My husband is not Aam
What are Mr and Mrs A?
(a) both are Aam
(b) one of them is Vikram and the other Vetal
(c) both are Vetals
(d) Insufficient data

Key: A

## Itemcode : AE1052

Q32 Assume you own 25 horses and a racing track which can run at most 5 horses at a time. You do not have any watch or
: timers to find the running time of each horse. All you can do is run 5 or less horses at a time and find out who reached first, second, third etc. How many races should you run to find the second fastest horse among these 25 horses.
(a) 6
(b) 7
(c) 8
(d) 9

Key: C

## Itemcode : AE1053

Q33 Consider a circular path in a garden which can be covered in exactly 20 steps. Suppose you start walking from a fixed : point P. First you take 32 steps forward, then 82 steps backwards, then, 66 steps forward, then 29 steps forward. How many steps will you have to take, and in which direction to reach point P?
(a) 5 steps backward
(b) 5 steps forward
(c) 9 steps backward
(d) 9 steps forward

Key: A

## Itemcode : AE1054

Q34 Cyclist Ramesh started cycling towards East at a constant speed of $120 \mathrm{~km} / \mathrm{hr}$. At exactly same time, his friend Umesh : who is located 50 km West started cycling towards East on a service road parallel to the road taken by Ramesh at a constant speed of $80 \mathrm{~km} / \mathrm{hr}$. How long after cycling did Umesh catch up with Ramesh?
(a) 1 hour
(b) 48 minutes
(c) 1 hour 15 minutes
(d) 1 hour 35 minutes

Key: C

## Itemcode : AE1055

Q35 A pen drive with a capacity of 32 GB is three-quarters full. $25 \%$ of the saved data in the pen drive is deleted before : saving another 10 GB of new data to the device. The resultant result of data saved is what percentage of the capacity of the pen drive ?
(a) $70 \%$
(b) $75 \%$
(c) $87.5 \%$
(d) $90 \%$

Key: C

| Itemcode : AE1056 |
| :--- |
| Q36 World Hepatitis day is observed on |
| : |
| (a) 28th July |
| (b) 26th June |
| (c) 28th September |
| (d) 23rd October |
| Key: A |
| Itemcode : AE1057 |
| Q37 What is the name of Iran's new currency? |
| : |
| (a) Reman |
| (b) Sian |
| (c) Toman |
| (d) Broon |
| Key: C |

## Itemcode : AE1058

Q38 Which state of India has made Rain water harvesting compulsory for each house?
:
(a) Maharashtra
(b) Rajasthan
(c) Madhya Pradesh
(d) Tamil Nadu

Key: D

## Itemcode : AE1059

Q39 Filaria is caused by
:
(a) Bacteria
(b) Mosquito
(c) Protozoa
(d) Virus

Key: B

## Itemcode : AE1060

Q40 Who was the first Indian Chief of Army Staff of the Indian Army ?
(a) K.M. Cariappa
(b) Vice-Admiral R.D. Katari
(c) Maharaja Rajendra Singhji
(d) None of the above

Key: A

## Itemcode : AE1061

Q41 Heavy Water Project (Talcher) and Fertilizer plant (Paradeep) are famous industries of
:
(a) Orissa
(b) Tamil nadu
(c) Andhra Pradesh
(d) Kerala

Key: A

## Itemcode : AE1062

Q42 Hamid Karzai was chosen president of Afghanistan in
:
(a) 2000
(b) 2001
(c) 2002
(d) 2003

Key: C

## Itemcode : AE1063

Q43 Which country is larger production of crude oil in 2019?
:
(a) Saudi Arabia
(b) USA
(c) Russian Fereration
(d) Iraq

Key: B

## Itemcode : AE1064

Q44 Which of the following is Academic Institute Satellite?
:
(a) CARTOSAT-2B
(b) KALPANA - 1
(c) SATYABAMASAT
(d) INSAT-2E

Key: C

## Itemcode : AE1065

Q45 Which of the following countries has agreed to accept the payment of export of oil and petroleum products to India, in : rupee terms instead of dollar or any other currency?
(a) Kuwait
(b) Libya
(c) Iran
(d) Iraq

Key: C

## Itemcode : AE1001

Q46 Contingency theory of leadership is based upon the belief that $\qquad$
:
(a) There is no single style of leadership appropriate to all situations
(b) There is a single style of leadership appropriate to all managers
(c) There is a single style of leadership appropriate to all situations
(d) None of the above

Key: A

## Itemcode : AE1002

Q47 The ability to influence a group towards the achievement of goals is called
:
(a) Management
(b) Coercion
(c) Leadership
(d) None of the above

Key: C

## Itemcode : AE1003

Q48 Leaders who regard direct supervision as a fundamental in maintaining a successful environment and followership are : called
(a) Autocratic
(b) Democratic
(c) Laissez-faire
(d) None of the above

Key: A

## Itemcode : AE1004

Q49 The leadership style in which the leader shares the decision-making abilities with group members by promoting the : interests of the group members and by practicing social equality is called
(a) Transactional
(b) Democratic
(c) Laissez-faire
(d) Autocratic

Key: B

## Itemcode : AE1005

Q50 Which of the following statements is TRUE?
:
(a) All leaders are managers.
(b) All managers are not leaders.
(c) The formal rights associated with management provide assurance that managers can lead effectively.
(d) Non-sanctioned leadership is not as important as formal influence.

Key: B

## Itemcode : AE1006

Q51 The theory which states that people are born with certain characteristics that predispose them to being leaders is called :
(a) Trait theory
(b) Path-goal theory
(c) LPC theory
(d) Contingency theory

Key: A

## Itemcode : AE1007

Q52 The Psychodynamic Approach to leadership focuses on
:
(a) The dynamics of personality
(b) The effects of behaviour on the leader
(c) The dynamics of human behaviour
(d) The effect of behaviour on organizations

Key: C

## Itemcode : AE1008

Q53 A conceptual and analytical approach to understanding how the work of leadership takes place among the people and in : context of a complex organization is called
(a) Democratic leadership
(b) Distributed leadership
(c) Transactional leadership
(d) Transformational leadership

Key: B

## Itemcode : AE1009

Q54 Information systems that monitor the elementary activities and transactions of the organizations are :
(a) Management level system
(b) Operational level system
(c) Knowledge level system
(d) Strategic level system

Key: A

## Itemcode : AE1010

Q55 The art of getting things done through people, with the people is called $\qquad$
:
(a) Management Information System
(b) Management
(c) System
(d) Entity

Key: B

| Itemcode : AE1011 |
| :--- |
| Q56 HRM is an acronym for |
| $\mathbf{:}$ |
| (a) Human Relations Management |
| (b) Humanistic Resource Management |
| (c) Human Resource Management |
| (d) Human Resourceful Management |
| Key: C |

Q57 The process of enlisting and guiding the talents and energies of teachers, pupils, and parents toward achieving common : educational aims is called
(a) Educational Leadership
(b) Organizational Leadership
(c) Social Leadership
(d) Community Leadership

Key: A

## Itemcode : AE1013

Q58 The person who decodes a message sent by the sender and attaches some meaning to the message is called a
:
(a) Encoder
(b) Receiver
(c) Medium
(d) Channel

Key: B

## Itemcode : AE1014

Q59 The type of communication which includes the tone of voice, body language, facial expressions, etc. is called :
(a) Verbal
(b) Non-verbal
(c) Dynamic
(d) None of the above

Key: B

## Itemcode : AE1015

Q60 The best definition of empathy from the definitions given below is
:
(a) Feeling that you want to help others
(b) Feeling what someone else is feeling
(c) Feeling sorry for others
(d) Feeling sympathy for others

Key: B

## Itemcode : AE1016

Q61 SCERT stands for
:
(a) State Council of Educational Research and Training
(b) State Council of Education for Research Training
(c) State Committee of Educational Research and Training
(d) State Council of Educational Research for Training

Key: A

## Itemcode : AE1017

Q62 Active listening involves responding in three ways which are
:
(a) Content, feelings, and thoughts
(b) Emotionally, mentally, and verbally
(c) Mentally, verbally, and non-verbally
(d) Emotionally, mentally, and spiritually

Key: C

## Itemcode : AE1018

Q63 Communication is a part of $\qquad$
:
(a) Soft skills
(b) Hard skills
(c) Tough skills
(d) None of the above

Key: A

## Itemcode : AE1019

Q64 Positive gestures are body signals that make you look $\qquad$
:
(a) Nervous
(b) Hurtful
(c) Relaxed
(d) Arrogant

Key: C

## Itemcode : AE1020

Q65 The effectiveness of verbal communication depends on the speaker's ability to use $\qquad$
:
(a) Long sentences
(b) Simple language
(c) Foreign words
(d) Complex words

Key: B

| Itemcode : AE1021 |
| :--- |
| Q66 Virtuoso teams are teams which |
| (a) Choose members for skills |
| (b) Focus on ideas |
| (c) Emphasize the individual |
| (d) All of the above |
| Key: D |
| Itemcode : AE1022 |
| Q67 Teamwork is important because |
| : |
| (a) Teammates learn from each other |
| (b) Teamwork is efficient work |
| (c) Teams innovate faster |
| (d) All of the above |
| Key: D |
| Itemcode : AE1023 |
| Q68 Educational Administration is the process of |
| : |
| (a) Utilizing appropriate resources for development of human qualities only |
| (b) Managing activities of educational institutions |
| (c) Organizing and controlling human resources in educational setting |
| (d) None of the above. |
| Key: B |
| (b |
| (d) |
| (d) |

Itemcode : AE1024
Q69 In Educational Management, the function of Budgeting is $\qquad$
:
(a) Financial Planning
(b) Accounting
(c) Control and expenditure
(d) All of the Above

Key: D

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Itemcode : AE1025
Q70 Educational Planning includes
:
(a) Academic or Curricular Planning
(b) Co-curricular Planning
(c) Instructional Planning
(d) All of the above
Key: D
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## Itemcode : AE1026

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Q71 JPEG seen with the .jpg or .jpeg filename extension is commonly used method for compression of digital images. What : does JPEG stand for?
(a) Joint Picture Encoding Graphics
(b) Joint Photographic Experts Group
(c) Joint Photo Edit Grid
(d) Joint Picture Express Grid
Key: B
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## Itemcode : AE1027

Q72 Open source software is a software whose source code is available for modification or enhancement by anyone. An : example of open source software is
(a) Adobe Photoshop
(b) Microsoft Word
(c) Libre Office
(d) Skype

Key: C

## Itemcode : AE1028

Q73 A "URL" is a formatted text string used by web browsers, email clients and other software to identify a network : resource on the Internet. URL stands for
(a) Universal Resource Link
(b) Uniform Resource Locator
(c) Unlimited Resource Locator
(d) Universal Reference Link

Key: B

Itemcode : AE1029
Q74 Special Education Courses are controlled by
:
(a) Special Education Council of India
(b) Rehabilitation Council of India
(c) National Council of Teacher Education
(d) Medical Council of India

Key: B

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Itemcode: AE1030
Q75 Inclusive Education refers to
(a) Special teaching to disabled students
(b) Sarva Shiksha Abhiyan
(c) Equal educational opportunities to disabled and normal students
(d) Special education in special schools
Key: C
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