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General Knowledge & Computer Applications



for

**State Engineering Services Exams,
SSC, PSUs, Banking, RRB and
Other Exams**

by Mr. B. Singh



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GENERAL KNOWLEDGE & COMPUTER APPLICATIONS

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Preface

This comprehensive textbook on **General Knowledge & Computer Applications** provides all the requirements of the students, i.e., comprehensive coverage of theory, fundamental concepts and objective type questions articulated in a lucid language. This concise presentation will help the readers grasp the topics of **General Knowledge & Computer Applications** with clarity and apply them with ease to solve objective questions quickly.

This book covers the syllabus of States Engineering Services Exams including APPSC, MPPSC, MPSC, BPSC, UPPSC; SSC, PSUs, Banking, RRB and other examinations. All the topics are given the emphasis they deserve so that mere reading of the book clarifies all the concepts. The book incorporates theory as well as previous years' questions of various State Engineering Services Examinations, UPSC ESE, etc. It also contains plenty of objective type questions for practice. This book has been very well targeted for aforementioned exams covering all the aspects of subject matter required for these examinations.

We have put-in our sincere efforts to present detailed theory and MCQs without compromising the accuracy of answers. For the interest of the readers, some notes, do you know and interesting facts are given in the comprehensive manner.

Our team has made their best efforts to remove all possible errors of any kind. Nonetheless, we would highly appreciate and acknowledge if you find and share with us any printing and conceptual errors. It is impossible to thank all the individuals who helped us, but we would like to sincerely thank all the authors, editors and reviewers for putting-in their efforts to publish this book.



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CMD, MADE EASY Group

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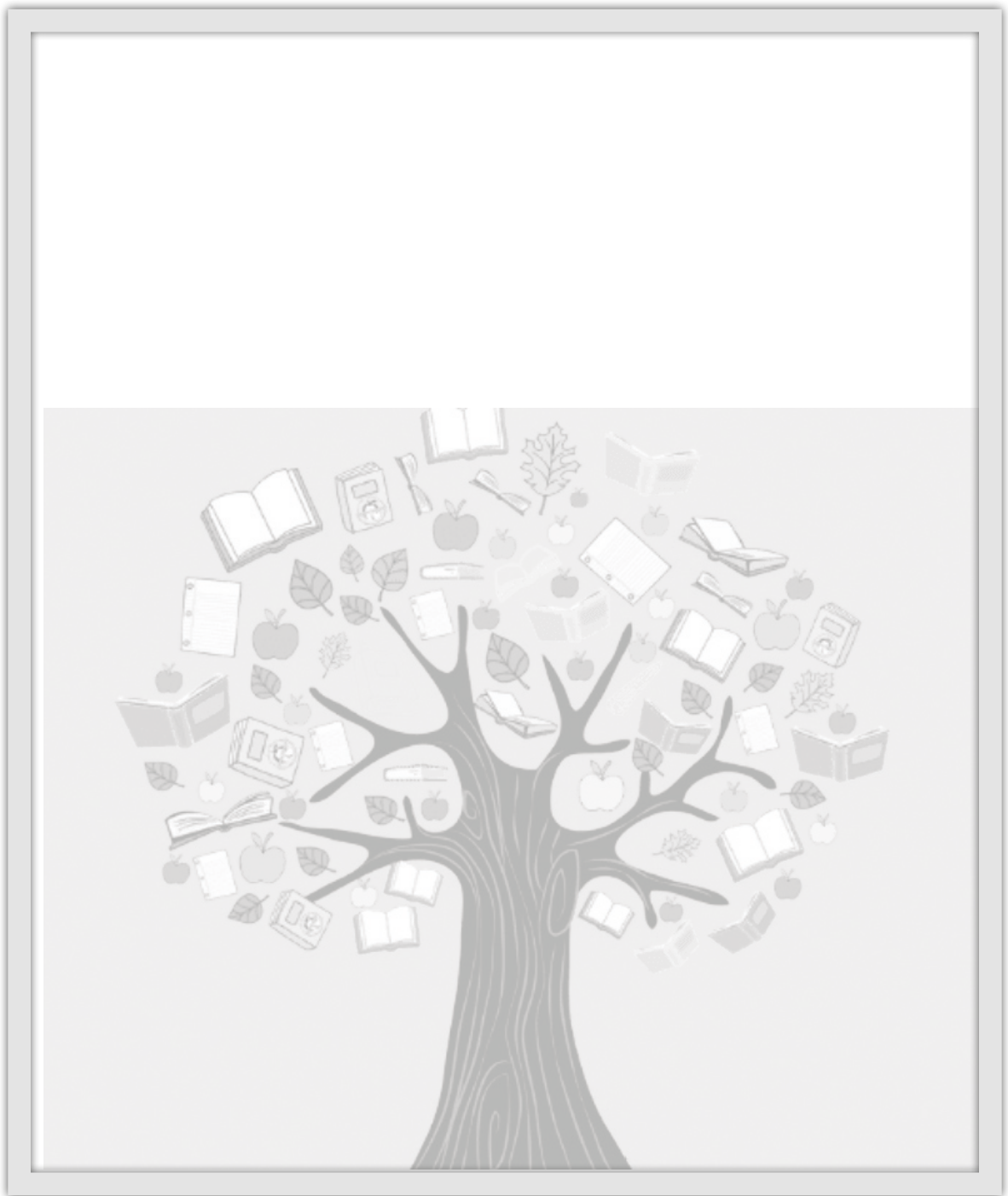
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INDIA & WORLD



National Symbols

National Flag

- The National Flag of India is a horizontal tricolour of deep saffron (Kesaria) at the top, white in the middle and dark green at the bottom in equal proportion. The ratio of width of the flag to its length is 2:3. In the centre of the white band a navy-blue wheel is located which represents the Chakra.
- It was adopted by Constituent Assembly of India on July 22, 1947.
- A tricolour flag was first accepted by the Indian National Congress in 1931, having Charkha in place of today's Chakra.
- The horizontal colour strip of deep Saffron at top represents courage, sacrifice and renunciation, White at middle shows truth and purity in thoughts and dark Green at the bottom is the symbol of life abundance and prosperity.
- A wheel (Chakra) in centre of the white strip is the symbol of progress and movement. It has 24 spokes.
- Supreme Court declared the right to hoist flag as a Fundamental Right under Article 19 (i) (a) of the Constitution in 2002. Flag hoisting in India is regulated by Flag Code of India, 2002.
- The Flag was designed by **Pingali Venkayya** and first time, the flag was hoisted by **Sacchindra Prasad Bose** in 1906 in Calcutta and later on in the year 1907 another tricolour flag was unfurled by **Madam Bhikaji Cama** in Stuttgart, Germany.
- The first flag committee was headed by **Dr. Rajendra Prasad**.

National Emblem

- The National Emblem of India is an adaptation from the Sarnath Lion Capital of Ashoka. It was adopted by the Government of India on January 26, 1950.
- In this emblem, only three lions are visible, the fourth lion being hidden from view. The wheel appears in relief in the centre of the abacus with a **bull** on **right** and a **horse** on **left**. The bell shaped lotus (as in the original) has been omitted. The other animals present in the emblem are an Elephant and a Lion.
- The words ***Satyameva Jayate*** are inscribed below the abacus in Devanagiri script. These words are taken from ***Mundaka Upanishad***.

National Anthem

- The song ***Jana gana mana*** is the National Anthem of India which was composed by **Rabindra Nath Tagore**, originally in Bengali.
- It was adopted by Constituent Assembly on January 24, 1950 in its Hindi version.
- The song *Jana gana mana* was first published in January, 1912 under the title '**Bharat Vidhata**' in *Tattva Bodhini Patrika*.
- The song was translated in English in 1919 with the title "**Morning Song of India**".
- It was first sung at the Calcutta Session of Congress on December 27, 1911.
- Playing time of full version of National Anthem is 52 seconds while it is 20 seconds for first and last lines of the stanza.

National Song

- “*Vande Mataram*” is the National song of India, which was composed by **Bankim Chandra Chatterjee**, originally in Sanskrit.
- It was adopted on January 24, 1950, providing it equal status with National Anthem *Jana gana mana*.
- It is taken from his novel **Anand Math** published in 1882. Its English translation was done by Sri Aurobindo.
- It was sung for the first time at the Congress Session of 1896.

National Calendar

- National Calendar is based on Saka Era (began on 78 A.D.) with Chaitra as its first month and Phalguna as its last month with a normal year of 365 days adopted from March 22, 1957 along with the Gregorian Calendar.
- First day of Chaitra normally falls on March 22 and on March 21 in leap year.

National Animal

- The Tiger (*Panthera Tigris*) is the National Animal of India. It has a thick yellow coat of fur with dark stripes.
- Lion was the National Animal of India till 1972. Later on, it was replaced by Tiger.

Other Indian National Symbols

National Bird	Peacock (<i>Pavo Cristatus</i>)
National Flower	Lotus (<i>Nelumbo Nucifera Gaertn</i>)
National River	Ganga
National Tree	Banyan (<i>Ficus Benghalensis</i>)
National Fruit	Mango (<i>Mangifera Indica</i>)
National Aquatic Animal	Ganges River Dolphin
National Heritage Animal	Elephant
National Game (De-facto)	Hockey

National Emblems of Countries

Country	Emblem
India	Sarnath Lion Capital
Australia	Kangaroo
Bangladesh	Water Lily
Canada	White Lily
France	Lily
Germany	Corn flower
Iran	Rose
Italy	White Lily
Japan	Chrysanthemum
Pakistan	Crescent
Spain	Eagle
Sri Lanka	Sword & Lion
Russia	Sickle and Hammer
Norway	Lion
United Kingdom	Rose
USA	Golden Rod

Significance of Signs and Symbols

Symbol	Meaning
Red triangle	Family planning
Red cross	Hospital/Ambulance
Red light	Danger/Emergency
Green light	Line clear signal
Olive branch	Peace
Black arm-band	Sign of mourning/protest
Dove	Peace
Black flag	Demonstration of protest
Red flag	Sign of danger, revolution
Yellow Flag	Displayed by ship with infectious disease on board or ship in quarantine.
White Flag	Truce

Significance of Signs and Symbols	
Symbol	Meaning
Tricolour	National Flag of India
Union Jack	National Flag of UK
Lotus	Culture and civilization
Wheel	Progress
Flag flown half mast	National mourning
Flag flown upside down	Distress
A blind-folded woman holding a balance	Justice
Pen	Symbol of Culture and Civilization

Country Symbols	
Country	Symbol
India	Royal Bengal Tiger
China	Dragon
Russia	Brown Bear
USA	Bald Eagle
Spain	Red Carnation
Japan	Cherry Blossom
England	Rose
Australia	Golden Wattle Flower
South Africa	Blue Crane
Greece	Olive Branch

Official Publications of Countries/Organizations	
Publication	Issued/Released by
Blue Book	Report by the British Government
Green Book	Government of Italy and Iran
Grey Book	Japanese and Belgium Government
Orange Book	Government of the Netherlands
White Book	Official publication of Germany, Portugal and China
White Paper (Shwet Patrika)	Issued by the Government of India
Yellow Book	Issued by the Government of France
Economic Survey	Ministry of Finance (Government of India)
Report on Currency and Finance	Reserve Bank of India
Wholesale Price Index	Ministry of Commerce and Industry
National Accounts Statistics	Central Statistical Organization



First Among Indians

Sl.	Particulars	Name
1	Chief Justice of India	Justice Harilal J. Kania
2	Indian origin woman Vice President of the USA	Kamala Harris
3	Indian Governor of a British Province	Lord S.P. Sinha
4	Indian Commander-in-Chief (Chief of Staff)	Field Marshal K.M. Cariappa
5	Indian to get the Bharat Ratna Award	C. Rajagopalachari
6	Indian Governor of the Reserve Bank of India	Dr. C.D. Deshmukh
7	Indian to become President of the UN General Assembly	Vijaya Lakshmi Pandit
8	Woman Cabinet Minister of an Indian state	Vijaya Lakshmi Pandit
9	Youngest woman Minister of a State	Sushma Swaraj (Haryana)
10	Woman to become a Union Cabinet Minister	Rajkumari Amrit Kaur
11	Indian C.A.G.	C.V. Narahari Rao
12	Attorney General of India	M.C. Setalvad
13	Indian woman Governor	Sarojini Naidu (UP, 1963-67)
14	Indian woman President of the Congress	Sarojini Naidu
15	Woman Chief Minister of an Indian State	Sucheta Kripalani (UP)
16	Indian woman High Court Judge	Anna Chandy (Kerala)
17	Indian woman Supreme Court Judge	M. Fathima Beevi
18	Indian woman to conquer the Everest	Bachhendri Pal
19	Indian in Space	Sqdn. Ldr. Rakesh Sharma
20	Indian woman to swim across the English Channel	Aarti Saha
21	Indian to become President of the International Court of Justice	Dr. Nagendra Singh (1970)
22	Indian to win an Oscar Award	Bhanu Athaiya
23	Indian woman to win an Olympic Medal	Karnam Malleswari
24	Indian to get the Booker Prize (Britain's top literary prize)	Salman Rushdie
25	Indian woman to get the Booker Prize	Arundhati Roy
26	Indian to receive the Ramon Magsaysay Award	Acharya Vinoba Bhave (1958)
27	Chief of Army Staff	Gen. Maharaj Rajendra Singhji
28	Woman to swim across the Strait of Gibraltar	Arti Pradhan
29	Indian actress to be awarded Padma Shri	Nargis Dutt (1958)
30	Musician to get Bharat Ratna, Padma Vibhushan and Padma Bhushan	M.S. Subbulakshmi

Sl.	Particulars	Name
31	Woman Foreign Secretary of India	Chokila Iyer
32	Indian Captain of Independent India's Cricket team	Lala Amarnath
33	Indian woman candidate to contest elections (1926)	Kamaladevi Chattopadhyaya
34	Woman President of India	Pratibha Patil (2007-2012)
35	Woman Speaker of Lok Sabha	Meira Kumar (2009-2014)
36	Chief of RAW (Research & Analysis Wing)	Rameshwar Nath Kao
37	Woman Chairperson of UPSC	Roze Millian Bethew
38	Woman to receive Bharat Ratna	Indira Gandhi
39	Woman to receive Ashoka Chakra	Neerja Bhanot
40	Indian ICS officer	Satyendra Nath Tagore
41	Woman to win an Asiad Gold	Kamaljit Sandhu (1970)
42	Indian Talkie Film	Alam Ara (1931)
43	Chief Election Commissioner	Sukumar Sen (1950-58)
44	Submarine	INS Kalyani (commissioned in 1967)
45	Aryabhatta Medal Winner	K.R. Ramanathan (1977)
46	Captain of Test Cricket	C.K.Nayudu (1932)
47	Century in Test Cricket	Lala Amarnath (1933-1934)
48	Chief of Naval Staff	R.D. Katari (1958-1962)
49	Cricketer to have batted in all positions (1 to 11)	Vinoo Mankad
50	Dada Saheb Phalke Award Winner	Devika Rani Roerich (1969)
51	Woman amputee to scale Mount Everest	Arunima Sinha
52	Deputy Prime Minister	Vallabhbhai Patel (1947-1950)
53	Woman Scientist to receive Fellowship in London's Royal Society	Gagandeep Kang
54	Elected President	S. Radhakrishnan (1962-1967)
55	Field Marshal of India	S.H.F.J. Manekshaw (1973)
56	Film Star Chief Minister	M.G. Ramachandran (Tamil Nadu, 1977)
57	Woman Chief Election Commissioner	V. S. Rama Devi (1990)
58	Home Minister	Vallabhbhai Patel (1946)
59	Lady of the Indian Film	Devika Rani Roerich
60	First Indian Female Physician	Anandibai Gopalrao Joshi
61	Man to climb Mount Everest	Tanzing Norgay (with Edmund Hillary, 1953)
62	Man to make solo flight (from US to India)	Satish Soman (1994)

Sl.	Particulars	Name
63	Man to swim across English Channel	Mihir Sen (1966)
64	Man to swim several Straits in one calender year	Mihir Sen (1966)
65	Member of British Parliament	Dadabhai Naoroji (1862)
66	Member of Viceroy's Executive Council	S.P. Sinha (1909)
67	Miss Universe	Sushmita Sen (1994)
68	Miss World	Reita Faria (1966)
69	Woman to climb Mount Everest twice	Santosh Yadav
70	Musician to get Ramon Magsaysay Award	M.S. Subbulakshmi (1974)
71	Nishan-i-Pakistan Award Winner	Morarji Desai (1991)
72	Nobel Prize Winner	Rabindranath Tagore (for Gitanjali in 1913)
73	Olympic Medal Winner	Norman Pritchard (Silver, 1900)
74	Presentation of Budget	R.K. Shanmugham Chetty, Finance Minister (1947)
75	Presentation of General Budget	C.D. Deshmukh, Finance Minister (1952)
76	President	Rajendra Prasad (1950-1962)
77	President of Indian National Congress	W.C. Bannerjee (1885)
78	President to die in harness	Zakir Hussain (1967-1969)
79	Prime Minister	Jawaharlal Nehru (1947-1964)
80	Women Director General of Police (DGP)	Kanchan Chaudhary Bhattacharya (Uttarakhand)
81	Prime Minister to die in harness	Jawaharlal Nehru (1964)
82	Prime Minister to head a minority government	Ch. Charan Singh (July 28, 1979 – Jan.14, 1980)
83	Prime Minister to resign from office	Morarji Desai(1979)
84	Prime Minister who did not face Parliament	Ch. Charan Singh (July 28, 1979-Jan 14, 1980)
85	Woman Railway Minister	Mamta Banerjee
86	Recipient of Stalin Peace Prize	Saifuddin Kitchlew (1954)
87	Recipient of World Food Prize	M.S. Swaminathan (1987)
88	Slave Ruler of India	Qutb-ud-din Aibak (1206-1210)
89	Speaker in Hindi at the UN	Atal Bihari Vajpayee (1977)
90	Speaker of Lok Sabha	Ganesh Vasudeo Mavalankar (1952-1957)
91	Test-tube Baby	Harsha or Indira (1986)

10. Which of the following bodies bestows the Shanti Swarup Bhatnagar Prize for Science and Technology?

- (a) ISRO (b) NCERT
(c) CSIR (d) NCSC

[BPSC (AE) : 1995]

Ans. (c)

11. Who is the chairman of Wipro?

- (a) Ajim H. Premji
(b) T. K. Kurien
(c) Suresh C. Senapaty
(d) Ashok S. Ganguly

[BPSC (AE) : 1995]

Ans. (a)

Currently Rishad Premji is the Chairman of the Wipro in year 2022.

12. In which State is the longest railway bridge in India located?

- (a) Bihar (b) Jharkhand
(c) Assam (d) Kerala

[BPSC (AE) : 1995]

Ans. (c)

13. Where was the first underground railway metro started in India?

- (a) Kolkata (b) Delhi
(c) Mumbai (d) Chennai

[BPSC (AE) : 1995]

Ans. (a)

14. Who is known as the Missile Woman' of India?

- (a) Kamal Ranadive
(b) Radha Balakrishnan
(c) Kalpana Chawla
(d) Tessy Thomas

[BPSC (AE) : 1995]

Ans. (d)

15. What is the full form of SIM in mobile phones?

- (a) Subscriber Modem Identification
(b) Subscriber Module Intelligence
(c) Subscriber Identity Modem
(d) Subscriber Identity Module

[BPSC (AE) : 1995]

Ans. (d)

16. Where is the biggest oil refinery of India located?

- (a) Barauni (b) Digboi
(c) Jamnagar (d) Mathura

[BPSC (AE) : 1995]

Ans. (c)

17. Who among the following was the founder of the Apple Company?

- (a) Steve Jobs (b) Bill Gates
(c) Daniel Kottke (d) Edwin H. Land

[BPSC (AE) : 1995]

Ans. (a)

18. The Ultrabook is an initiative of

- (a) Apple (b) Intel
(c) Samsung (d) Asus

[BPSC (AE) : 1995]

Ans. (b)

19. In which year did man first land on the moon?

- (a) 1968 (b) 1969
(c) 1970 (d) 1971

[BPSC (AE) : 1995]

Ans. (b)

20. Who is the Indian cofounder of Hotmail?

- (a) Ramesh Rastogi
(b) Nandan Nilekani
(c) N. R. Narayan Murthi
(d) Sabeer Bhatia

[BPSC (AE) : 1995]

Ans. (d)

21. The Gaia theory is related to

- (a) Mercury's irregular orbit
(b) Pluto being outside our solar system
(c) Saturn's rings and their origin
(d) Earth as a single organic complex

[BPSC (AE) : 1995]

Ans. (d)

22. Stephen Hawking is

- (a) a British theoretical physicist
(b) an American theoretical physicist
(c) a German theoretical physicist
(d) a French theoretical physicist

[BPSC (AE) : 1995]

Ans. (a)

370. To which group do most of the Indians belong?

- (a) Caucasoid (b) Negroid
(c) Australoid (d) Mongoloid

Ans. (a)

371. Surti is a breed of

- (a) cattle (b) buffalo
(c) sheep (d) goat

Ans. (b)

372. The satellite launching centre of Indian Space Research Organization is in

- (a) Thiruvananthapuram
(b) Bengaluru
(c) Thumba
(d) Sriharikota

Ans. (d)

373. Where is the Civil Aviation Training Centre?

- (a) Kolkata (b) Delhi
(c) Chennai (d) Allahabad

Ans. (d)

374. When was the STD service started in India?

- (a) 1960
(b) 1958
(c) 1974
(d) 1952

Ans. (a)

375. Which cities were first connected by the STD services?

- (a) Delhi and Mumbai
(b) Delhi and Kolkata
(c) Kanpur and Delhi
(d) Kanpur and Lucknow

Ans. (d)

376. Who is one of the propounders of the binary star theory?

- (a) Laplace
(b) Kant
(c) La Pichon
(d) Jeffreys

Ans. (d)

COMPUTER APPLICATIONS

377. Which of the following commands is used in a document (Microsoft Word) to convert small letters into capitals?

- (a) Ctrl + P (b) Shift + Ctrl + Del
(c) Caps Lock+F8 (d) Shift + F3

[BPSC (AE) : 1995]

Ans. (d)

378. What is Hubble?

- (a) A sound-capturing software
(b) The deepest spot in the world's oceans
(c) A space telescope
(d) The largest seagoing crane in Oslo

[BPSC (AE) : 1995]

Ans. (c)

379. Cloud Computing is a term related with

- (a) Artificial rainfall
(b) Web technology

- (c) Acid rains
(d) Lightning phenomenon

[BPSC (AE) : 1995]

Ans. (b)

380. World Wide Web was first invented by the scientist

- (a) Tim Berners-Lee
(b) Christiaan & Barnard
(c) Joel Glickman
(d) Dean Kamen

[BPSC (AE) : 2012]

Ans. (a)

381. What is ACB in computers?

- (a) Application Control Block
(b) Automatic Control Base
(c) Auxiliary Central Base
(d) Access Control Block

[BPSC (AE) : 2012]

Ans. (b)