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UPSC NDA Exam 2006-I General Ability Test  
Solved Paper

## General Ability Test

### PART 'A'

#### SYNONYMS

Directions (For the next 9 items) :

Each of the following nine items consists of a word or a group of words in capital letters, followed by four words or groups of words. Select the word or group of words that is most *similar* in meaning to the word in capital letters.

1. DEBONAIR  
(a) Bed-ridden (b) Candid  
(c) Elegant (d) Thrifty
2. TO ASSUAGE  
(a) To assume (b) To forget  
(c) To resolve (d) To mitigate
3. TO BROWBEAT  
(a) To bully  
(b) To chase  
(c) To give a hint  
(d) To revive old friendship
4. BEE IN ONE'S BONNET  
(a) Sickness (b) Obsession  
(c) Misery (d) Freshness
5. THE WORSE FOR WEAR  
(a) Worrisome  
(b) Financially poor  
(c) Hostile  
(d) Shabby from use
6. TO JETTISON  
(a) To go on trekking (b) To sail  
(c) To abandon (d) To fire a gun
7. VICARIOUS  
(a) Ambitious  
(b) Not experienced personally  
(c) Nostalgic  
(d) Vindictive
8. FORTY WINKS  
(a) A person beyond 40 years of age  
(b) A studious person  
(c) Ordeals of life  
(d) A short nap
9. CRAVEN  
(a) Greedy (b) Cowardly  
(c) Flattering (d) Restless

#### ANTONYMS

Directions (For the next 9 items) :

Each of the following nine items consists of a word or a group of words in capital letters, followed by four words or groups of words. Select the word or group of words that is most nearly *opposite* in meaning to the word in capital letters.

10. INORDINATE  
(a) Distant (b) Facile  
(c) Moderate (d) Attractive
11. 'REDOUBTABLE'  
(a) Truthful (b) Crafty  
(c) Widely travelled (d) Ordinary
12. CONSANGUINE  
(a) Of different kind (b) Invisible  
(c) Urbane (d) Untenanted
13. ON THE BLINK  
(a) Apologetically (b) Blindly  
(c) Legally (d) In working order
14. PREDILECTION  
(a) Analogy (b) Anticlimax  
(c) Antipathy (d) Argument
15. SENILE  
(a) Suspicious (b) Mentally alert  
(c) Corrupt (d) Affluent
16. BLITHESOME  
(a) Graceful (b) Sullen  
(c) Adventurous (d) Mammoth
17. ADULATION  
(a) Confusion (b) Inertia  
(c) Consolidation (d) Condemnation
18. PREPOSSESSING  
(a) Incredible (b) Arousing envy  
(c) Unattractive (d) Recent

#### ORDERING OF WORDS IN A SENTENCE

Directions (For the next 9 items) :

In the following items, some parts of the sentence have been jumbled up. You are required to re-arrange these parts which are labelled as P, Q, R and S to produce the correct sentence. Choose the proper sequence and mark in your Answer-sheet accordingly.

Example 'Z' has been solved for you.

20. It is well-known that the effect is very bad  
(P) (Q)  
on children of cinema  
(R) (S)  
Which one of the following is the correct sequence ?  
(a) PSRQ (b) SPQR  
(c) SRPQ (d) QSRP

Explanation :

The proper way of writing the sentence is "It is well-known that the effect of cinema on children is very bad". This is indicated by the sequence P S R Q. So (a) is the correct answer.

19. Many way to fuel growth  
(P)  
economists argue that and alleviate poverty  
(Q) (R)  
free trade is a magic bullet – the quickest  
(S)  
Which one of the following is the correct sequence ?  
(a) QPSR (b) RSPQ  
(c) QSPR (d) RPSQ

20. As a maestro appeared to be enjoying every bit of it  
(P)  
and followed every composition the  
(Q)  
thunderous applause from  
(R)  
an appreciative audience preceded  
(S)  
Which one of the following is the correct sequence ?  
(a) PQSR (b) RSQP  
(c) PSQR (d) RQSP

21. Keeping farmers to smoke their fields during  
(P)  
in view the prevailing weather conditions  
(Q)  
agricultural experts have advised  
(R)  
the night to protect vegetables from cold  
(S)  
Which one of the following is the correct sequence ?  
(a) SRPQ (b) QPRS  
(c) SPRQ (d) QRPS

22. It is stressful or joyful  
(P)  
with the belief in the evanescence of life itself  
(Q)  
necessary to rise above the situations  
(R)  
and in the philosophical of the purpose of life  
(S)  
Which one of the following is the correct sequence ?  
(a) RPQS (b) QSRP  
(c) RSQP (d) QPRS

23. The difference and development on the other affects  
(P)  
in the relationship between death and birth rates on  
the one hand  
(Q)  
but the age structure of the population  
(R)  
not just the rate of population growth  
(S)  
Which one of the following is the correct sequence ?  
(a) SRQP (b) QPSR  
(c) SPQR (d) QRSP

24. Here another supposed discovery of 29 – inch footprints  
(P)  
claim to have found in Kerala we go again with yet  
(Q) (R)  
which a group of amateur anthropologists  
(S)  
Which one of the following is the correct sequence ?  
(a) RQSP (b) SPRQ  
(c) RPSQ (d) SQRP

25. Creative world of reality  
(P)  
writers and artists, through their imagination  
(Q)  
transform the details of the into the world of art  
(R) (S)  
Which one of the following is the correct sequence ?  
(a) SPRQ (b) QRPS  
(c) SRPQ (d) QPRS

26. Thus against the state through the courts  
(P)  
of one's privacy against arbitrary intrusion by the police  
(Q)  
the court emphasized that the security  
(R)  
is basic to a free society and enforceable  
(S)  
Which one of the following is the correct sequence ?  
(a) PQSR (b) RSQP  
(c) PSQR (d) RQSP

27. The preference responsibilities of looking after parents in their old age  
(P)  
despite the fact that in a growing number of families  
(Q)  
at least in urban India, daughters are taking on the  
(R)  
for the male child continues  
(S)  
Which one of the following is the correct sequence ?  
(a) SQRP (b) RPSQ  
(c) SPRQ (d) RQSP

## SPOTTING ERRORS

Directions (For the next 10 items) :

- (i) In this section a number of sentences are given. The sentences are underlined in three separate parts and each one is labelled as (a), (b) and (c). Read each sentence to find out whether there is an error in any underlined part. No sentence has more than one error. When you find an error in any one of the underlined parts (a), (b) or (c), indicate your response on the separate Answer-sheet at the appropriate space. You may feel that there is no error in a sentence. In that case letter (d) will signify a 'No error' response.
- (ii) You are to indicate only one response for each item in your Answer-sheet. (If you indicate more than one response, your answer will be considered wrong.) Errors may be in grammar, word usage or idioms. There may be a word missing or there may be a word which should be removed.
- (iii) You are *not* required to correct the error. You are required *only* to indicate your response on the Answer-sheet.

Example 'P' and 'Q' have been solved for you.

P. The young child singed a very sweet song.  
 (a) (b) (c)  
 No error.  
 (d)

Q. We worked very hard throughout the season.  
 (a) (b) (c)  
 No error.  
 (d)

Explanation :

In item 'P', the word 'singed' is wrong. The letter under this part is (b); so (b) is the correct answer. Similarly, for item Q, (d) is the correct answer, as the sentence does not contain any error.

28. An unit is an abstract idea,  
 (a)  
defined either by reference to  
 (b)  
a randomly chosen material standard or to a natural  
phenomenon.  
 (c)  
 No error.  
 (d)
29. Microwaves are the principle carriers  
 (a)  
of television, telephone and data transmissions  
 (b)  
between stations on earth and between the earth  
and satellites.  
 (c)  
 No error.  
 (d)

- Mahavira was an advocate of nonviolence and  
vegetarianism,  
 (a)  
who revived and reorganized the Jain doctrine  
 (b)  
and established rules for their monastic order.  
 (c)  
 No error.  
 (d)
31. Amit has been deceiving Mona  
 (a)  
for many years but she has not still tumbled to it.  
 (b) (c)  
 No error.  
 (d)
32. A major contribution of Mathura sculptors  
 (a)  
of that period were the creation and popularization  
 (b)  
of the Buddha's image in human form. No error.  
 (c) (d)
33. I will try to put over some feelers to gauge  
 (a) (b)  
people's reactions to our proposal. No error.  
 (c) (d)
34. The modern office block  
 (a)  
sticks out like a sore thumb  
 (b)  
among the old buildings in the area.  
 (c)  
 No error.  
 (d)
35. He estimated his income tax bill  
 (a)  
by extrapolation over figures  
 (b)  
submitted in previous years. No error.  
 (c) (d)
36. The two books are the same  
 (a)  
except for the fact that this  
 (b)  
has an answer in the back. No error.  
 (c) (d)
37. The Prime Minister's good looks won him  
 (a)  
the election but he has still to prove  
 (b)  
that he's not a just pretty face. No error.  
 (c) (d)

## COMPREHENSION

Directions (For the next 5 items) :

In this section you have a short passage. After the passage, you will find some questions based on the passage. First, read the passage and then answer the questions based on it. You are required to select your answers based on the contents of the passage and opinion of the author only.

Example 'I' and 'J' are solved for you.

## PASSAGE

In our approach to life, be it pragmatic or otherwise, a basic fact that confronts us squarely and unmistakably is the desire for peace, security and happiness. Different forms of life at different levels of existence make up the teeming denizens of this earth of ours. And, no matter whether they belong to the higher groups such as human beings or to the lower groups such as animals, all beings primarily seek peace, comfort and security. Life is as dear to a mute creature as it is to a man. Even the lowliest insect strives for protection against dangers that threaten its life. Just as each one of us wants to live and not to die, so do all other creatures.

- I. The author's main point is that
- different forms of life are found on earth
  - different levels of existence are possible in nature
  - peace and security are the chief goals of all living beings
  - even the weakest creature struggles to preserve its life
- J. Which one of the following assumptions or steps is essential in developing the author's position ?
- All forms of life have a single overriding goal
  - The will to survive of a creature is identified with a desire for peace
  - All beings are divided into higher and lower groups
  - A parallel is drawn between happiness and life, and pain and death

Explanation :

- I. The idea which represents the author's main point is "peace and security are the chief goals of all living beings", which is response (c). So (c) is the correct answer.
- J. The best assumption underlying the passage is 'The will to survive of a creature is identified with a desire for peace', which is response (b). So (b) is the correct answer.

## PASSAGE

Today, India looks to be on course to join the league of developed nations. It is beginning to establish a reputation not just as the technology nerve-centre and back-office to the world, but also as its production centre. India's secularism and democracy serve as a role model to other developing countries. There is great pride in an India that easily integrates with a global economy, yet maintains a unique cultural identity.

But what is breathtaking is India's youth. For despite an ancient civilization that traces itself to the very dawn of

human habitation, India is among the youngest countries in the world. More than half the country is under 25 years of age and more than a third is under 15 years of age.

Brought up in the shadow of the rise of India's service industry boom, this group feels it can be at least as good if not better than anyone else in the world. This confidence has them demonstrating a great propensity to consume, throwing away ageing ideas of asceticism and thrift. The economic activity created by this combination of a growing labour pool and rising consumption demand is enough to propel India to double-digit economic growth for decades. This opportunity also represents the greatest threat to India's future. If the youth of India are not properly educated and if there are not enough jobs created, India will have forever lost its opportunity.

India's Information Technology and Business Process Outsourcing industries are engines of job creation, but they still account for only 0.2 per cent of India's employment. The country has no choice but to dramatically industrialise and inflate its economy. According to a recent survey, more than half of India's unemployed within the next decade could be its educated youth.

38. Consider the following statements :

- India's rich cultural heritage prevents India from surging ahead to become an active partner in the global economy.
- By and large, India's youth still believe in a thrifty lifestyle.

Which of the statements given above is/are correct ?

- 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
39. What is the approximate number of people in India who are in the age group 15-25 years ?
- 500 million
  - 350 million
  - 210 million
  - 180 million
40. In the recent past, which sector has witnessed a phenomenal growth ?
- Heavy industry
  - Service industry
  - Petro-chemical industry
  - Textile industry

41. Consider the following statements :

- Rising consumption demand will retard economic growth.
- India's youth are its greatest opportunity as well as threat.

Which of the statements given above is/are correct ?

- 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
42. Consider the following statements :

- Information Technology sector provides a relatively large proportion of jobs in India.
- In the coming decade only uneducated youth will remain deprived of employment opportunity.

Which of the statements given above is/are correct ?

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

**ORDERING OF SENTENCES**

Directions (For the next 8 items):

In the following items, each passage consists of six sentences. The first sentence (S<sub>1</sub>) and the sixth sentence (S<sub>6</sub>) are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. You are required to find out the correct sequence of the four sentences and mark accordingly on the Answer-sheet.

Example 'X' has been solved for you.

- X. S<sub>1</sub> : There was a boy named Jack.  
 S<sub>6</sub> : At last she turned him out of the house.  
 P : So the mother asked him to find work.  
 Q : They were very poor.  
 R : He lived with his mother.  
 S : But Jack refused to work.

Which one of the following is the correct sequence ?

- (a) RQPS (b) SPQR  
 (c) RPQS (d) SQPR

Explanation :

The correct sequence in this example is RQPS which is marked by (a). Therefore, (a) is the correct answer.

43. S<sub>1</sub> : Political empowerment apart, the state should recognise the right to life of every citizen.

S<sub>6</sub> : The state should prepare for the seasons ahead, not just winter, and create shelters on a war footing.

P : Places of religious worship play an important role in this respect, providing food and shelter.

Q : Where lives are at stake, resource crunch cannot work as an excuse.

R : It can still intervene to save lives, by ensuring that offices, schools and other institutions that function only during the day are used as night shelters.

S : However, civil society organisations cannot be expected to compensate for state neglect.

Which one of the following is the correct sequence ?

- (a) SQRP (b) RPSQ  
 (c) SPRQ (d) RQSP

44. S<sub>1</sub> : This is the age of knowledge.

S<sub>6</sub> : Not surprisingly then that we Indians are often labelled as being overly superstitious.

P : Logic and intuition are no longer enemies.

Q : It is also the Age of Aquarius.

R : The two live together comfortably in every Indian household.

S : So why should superstitions be considered out of place in this age of nanotechnology and computers ?

Which one of the following is the correct sequence ?

- (a) QPSR (b) RSPQ  
 (c) QSPR (d) RPSQ

45. S<sub>1</sub> : Sachin has scored centuries against all oppositions, in all countries.

S<sub>6</sub> : But largely, he has been the dictator, giving nightmares to quality bowlers of the world.

P : There have been those rare occasions when he looked entangled at the crease.

Q : In fact, some of his most memorable essays came in adverse conditions.

R : Gavaskar called him "the closest thing to batting perfection this game has ever seen".

S : Sachin has established his stamp over all types of attack.

Which one of the following is the correct sequence ?

- (a) PQSR (b) RQSP  
 (c) PSQR (d) RSQP

46. S<sub>1</sub> : Jagan has been working in our home for over 25 years.

S<sub>6</sub> : Then came the question of raising his children on the paltry sum of money he earned washing cars and sweeping homes.

P : And another.

Q : Till finally his wife delivered a son and he declared his innings.

R : I remember the day his first daughter was born.

S : And then came another.

Which one of the following is the correct sequence ?

- (a) RPSQ (b) QSPR  
 (c) RSPQ (d) QPSR

47. S<sub>1</sub> : Diabetes is a silent killer and because it does not seem as potent as cancer or AIDS is very often overlooked without too much heed by patients.

S<sub>6</sub> : Though diabetes can never be totally cured it can be definitely be controlled from causing serious consequences.

P : Worse, as many as a third of them don't even know it.

Q : Untreated diabetes can lead to heart and kidney failure, amputations and even death.

R : Millions of people suffer from diabetes.

S : The early symptoms of diabetes are often confused with other less grave conditions.

Which one of the following is the correct sequence ?

- (a) SQRP (b) RPSQ  
 (c) SPRQ (d) RQSP

48. S<sub>1</sub> : Ships, built in dry docks, are launched amidst chanting of Atharva Veda.

S<sub>6</sub> : The latest INS Mumbai is the tenth reincarnation of its original INS Bombay.

P : Even now newer warships are given names of old decommissioned warships.

Q : One of the enduring superstitions of the Navy is that old ships don't die.

R : In Europe, they break champagne bottles on the bow; in India we break coconuts.

S : It derives from the animistic belief that a ship has a soul that lives on and that it is reborn.

Which one of the following is the correct sequence ?

- (a) RQSP (b) SPRQ  
 (c) RPSQ (d) SQRP

49. S<sub>1</sub> : Jaswant Singh of 4 Garhwal Rifles was apparently relaxing at 10,000 feet when he spotted a whole battalion of Chinese troops advancing towards an Indian Army post.

S<sub>6</sub> : Versions of the story vary.

P : They surrounded him, captured the three and beheaded them.

Q : Finally the enemy sent a scout party to ascertain the real strength of the Indian defence, and they found just a rifleman and two girls.



- R : After the war, the Chinese, impressed by the rifleman's valour, gave his head back to the Indians, who set up a temple for him.
- S : With just one 303 and ammunition supplied by two girls from an abandoned dump, he moved down about 50 enemy troopers.
- Which one of the following is the correct sequence ?
- (a) PQSR (b) SRPQ  
(c) PRSQ (d) SQPR
50.  $S_1$  : Each creature of the sea has its own significance for seamen.

- $S_6$  : A dead dolphin is a bad omen.
- P : One reason could be that dolphins and sharks do not cohabit.
- Q : Sighting a dolphin is supposed to bring luck.
- R : A dolphin swimming with the ship brings good luck.
- S : Upon sighting the first dolphin on a voyage even the admiral will come up on deck to watch it.
- Which one of the following is the correct sequence ?
- (a) SRQP (b) QPSR  
(c) SPQR (d) QRSP

### PART 'B'

51. Which one of the following dynasties was associated with Gandhara School of Art ?
- (a) Chalukyas (b) Guptas  
(c) Kushanas (d) Mauryas
52. Where did Gautam Buddha give his first sermon ?
- (a) Gaya (b) Rajgriha  
(c) Sarnath (d) Sanchi
53. 'Mushika Vamsha' written by Atula in the eleventh century gives an account of the dynasty which ruled a part of a modern Indian state. Which state is this ?
- (a) Andhra Pradesh (b) Kerala  
(c) Maharashtra (d) Orissa
54. Which of the following rulers checked Harshavardhana's expedition in South India ?
- (a) Pulakesin I (b) Pulakesin II  
(c) Vikramaditya I (d) Vikramaditya II
55. Who was the Delhi Sultan when the threat of invasion by Mongols under Chengiz Khan loomed over India ?
- (a) Iltutmish (b) Balban  
(c) Jalauddin Khalji (d) Alauddin Khalji
56. Who fought the battle of Waihand ?
- (a) Anandapala and Mahmud Ghazni  
(b) Jayapala and Muhammad Ghori  
(c) Prithviraj Chauhan and Muhammad Ghori  
(d) Jaichandra and Bakhtiyar Khalji
57. Which of the following Mughal emperors spent a greater part of his reign to overthrow the Deccan Kingdoms ?
- (a) Akbar (b) Jahangir  
(c) Shahjahan (d) Aurangzeb
58. Who issued firman granting Diwani of Bengal, Bihar and Orissa to the English ?
- (a) Ahmad Shah (b) Bahadur Shah  
(c) Farrukh Siyar (d) Shah Alam II
59. Which one of the following Acts introduced communal electorate in India ?
- (a) Indian Councils Act, 1861  
(b) Indian Councils Act, 1892  
(c) Indian Councils Act, 1909  
(d) Government of India Act, 1935
60. Consider the following statements :
1. The East India Company for the first time through the Charter Act of 1813, adopted a provision to spend one

- lakh rupees per annum for the spread of education in India.
2. The Wood's Dispatch of 1854 recommended the establishment of one university each in Calcutta, Bombay and Madras on the model of the London University.
- Which one of the statements given above is/are correct ?
- (a) 1 only (b) 2 only  
(c) Both 1 and 2 (d) Neither 1 nor 2
61. Who founded the Fort William College at Calcutta ?
- (a) Lord Cornwallis (b) Lord Ellenborough  
(c) Lord Macaulay (d) Lord Wellesley
62. Where was the first Peasant Movement launched by Mahatma Gandhi ?
- (a) Bardoli (b) Dandi  
(c) Champaran (d) Wardha
63. Who of the following was a founder of the Punjab Naujawan Bharat Sabha in 1926 ?
- (a) Lala Lajpat Rai (b) Sardar Bhagat Singh  
(c) Lala Hardyal (d) Sohan Singh Bakhna
64. Consider the following statements :
1. The Indian National Congress was formed during the Viceroyalty of Lord Dufferin.
2. The first President of Indian National Congress was Wyomesh Chandra Bannerji.
3. The first session of the Indian National Congress was held in Calcutta.
4. In the first session of the Indian National Congress some government officials were also present.
- Which of the following statements given above are correct ?
- (a) 1, 2 and 3 (b) 1, 2 and 4  
(c) 3 and 4 (d) 1, 2, 3 and 4
65. Consider the following statements :
1. The President of India cannot appoint a person as Prime Minister if he/she is not a member of either Lok Sabha or Rajya Sabha.
2. The candidate for the office of Prime Minister must have the support of the majority members of both Lok Sabha and Rajya Sabha.
- Which of the statements given above is/are correct ?
- (a) 1 only (b) 2 only  
(c) Both 1 and 2 (d) Neither 1 nor 2

66. Consider the following statements :
1. It is on the advice of the Speaker of Lok Sabha that the President of India summons and prorogues Parliament and dissolves Lok Sabha .
  2. The resignation of the Prime Minister means the resignation of the entire Council of Ministers.
  3. A vote of confidence against one Minister in Lok Sabha means the vote of confidence against the entire Council of Ministers.
- Which of the following statements given above are correct ?
- (a) 1 and 2
  - (b) 2 and 3
  - (c) 1 and 3
  - (d) 1, 2 and 3
67. 'Bostan Tea Party' is associated with which one of the following ?
- (a) French Revolution
  - (b) American Revolution
  - (c) English Revolution
  - (d) Russian Revolution
68. Rousseau's study greatly contributed to which one of the following ?
- (a) Glorious Revolution in England
  - (b) American War of Independence
  - (c) The Bolshevik Revolution in Russia
  - (d) The French Revolution
69. Which one of the following pairs is correctly matched ?
- | UN Organization | Headquarters |
|-----------------|--------------|
| (a) UNESCO      | : Geneva     |
| (b) IMF         | : Paris      |
| (c) ILO         | : Washington |
| (d) UNIDO       | : Vienna     |
70. Recently India has made a huge investment in Sakhalin-I Oilfield. Where is it located ?
- (a) Indonesia
  - (b) Russia
  - (c) Sudan
  - (d) Vietnam
71. Consider the following statements with reference to doldrums :
1. Doldrums comprise the equatorial belt of low atmospheric pressure.
  2. The trade winds converge at doldrums.
  3. There is strong upward movement of air in doldrums.
  4. Doldrums are characterized by turbulent weather.
- Which of the statements given above are correct ?
- (a) 1 and 2
  - (b) 3 and 4
  - (c) 1, 2 and 3
  - (d) 1, 2, 3 and 4
72. Which one among the following is nearest to the Tropic of Cancer ?
- (a) Patna
  - (b) Ranchi
  - (c) Rourkela
  - (d) Varanasi

73. Match List-I (*Type of Rocks*) with List-II (*Example*) and select the correct answer using the codes given below the Lists :

List-I (Type of Rocks)	List-II (Example)
A. Igneous Rocks	1. Basalt and Granite
B. Metamorphic Rocks	2. Limestone and Sandstone
C. Sedimentary Rocks	3. Marble and Quartzite

Codes :

	A	B	C		A	B	C
(a)	1	2	3	(b)	1	3	2
(c)	2	3	1	(d)	3	1	2

74. Match List-I (*Volcano*) with List-II (*Country*) and select the correct answer using the codes given below the Lists :

List-I (Volcano)	List-II (Country)
A. Semeru	1. Indonesia
B. Cotopaxi	2. Ecuador
C. Etna	3. Italy
D. Kilimanjaro	4. Kenya
	5. India

Codes :

	A	B	C	D		A	B	C	D
(a)	1	2	3	4	(b)	3	4	5	2
(c)	1	4	3	2	(d)	3	2	5	4

75. The 'Agulhas' water current flows through which one of the following oceans ?
- (a) South Atlantic Ocean
  - (b) North Atlantic Ocean
  - (c) Indian Ocean
  - (d) North Pacific Ocean
76. Consider the following statements :
1. Rainfall in the doldrums is of convectional type.
  2. In China type climate, rainfall occurs throughout the year.
- Which of the statements given above is/are correct ?
- (a) 1 only
  - (b) 2 only
  - (c) Both 1 and 2
  - (d) Neither 1 nor 2
77. In which one of the following regions of the world, are the grasslands called Campo found ?
- (a) Brazil
  - (b) China
  - (c) Eurasia
  - (d) North America
78. In India, in which one of the following areas are the tropical evergreen forests found ?
- (a) The Western Ghats
  - (b) The Eastern Ghats
  - (c) The Western Himalaya
  - (d) The Central Himalaya



79. Match List-I (Location) with List-II (Industry) and select the correct answer using the codes given below the Lists :

List-I (Location)	List-II (Industry)
A. Moradabad	1. Cotton Textile Industry
B. Mathura	2. Iron and Steel Industry
C. Salem	3. Oil Refinery
D. Coimbatore	4. Copper and Brass Industry

Codes :

A	B	C	D	A	B	C	D
(a) 4	3	2	1	(b) 4	2	3	1
(c) 1	3	2	4	(d) 1	2	3	4

80. Match List-I (Atomic Power Plant) with List-II (State) and select the correct answer using the codes given below the Lists :

List-I (Atomic Power Plant)	List-II (State)
A. Kaipakkam	1. Karnataka
B. Narora	2. Madhya Pradesh
C. Rawatbhata	3. Maharashtra
D. Tarapur	4. Rajasthan
	5. Tamil Nadu
	6. Uttar Pradesh

Codes :

A	B	C	D	A	B	C	D
(a) 1	6	4	2	(b) 1	4	6	2
(c) 5	6	4	3	(d) 5	4	6	3

81. In the map given below four thermal power plants are marked as 1, 2, 3 and 4, and their names are given in the list given here. Match them and select the correct answer using the codes given below the List :

List :

- A. Balimela
- B. Koradi
- C. Ramagundam
- D. Talcher



Codes :

A	B	C	D	A	B	C	D
(a) 1	2	3	4	(b) 1	3	4	2
(c) 4	1	3	2	(d) 4	3	2	1

82. Match List-I (Place of Economic Importance) with List-II (State) and select the correct answer using the codes given below the Lists :

List-I (Place of Economic Importance)	List-II (State)
A. Alwaye	1. Gujarat
B. Kaiga	2. Jharkhand
C. Giridih	3. Karnataka
D. Kakrapara	4. Kerala

Codes :

A	B	C	D	A	B	C	D
(a) 1	2	3	4	(b) 1	3	2	4
(c) 4	2	3	1	(d) 4	3	2	1

83. An oxide of nitrogen has molecular weight 30. What is the number of electrons in one molecule of the compound ?

- (a) 14
- (b) 15
- (c) 22
- (d) 23

84. How many gram atoms of hydrogen are present in 0.04 mole of  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  ?

- (a) 0.04
- (b) 0.2
- (c) 0.4
- (d) 4

85. The turntable of a gramophone is rotated at a constant speed of  $x$  revolutions/minute. Which one of the following values of the revolutions per minute is not used ?

- (a) 78 rpm
- (b) 56 rpm
- (c) 45 rpm
- (d) 33 rpm

86.



A block of mass  $2m$  is pulled along a horizontal frictionless surface by a rope of mass  $m$  as shown in the figure given above. What force is exerted by the rope on the block ?

- (a)  $\frac{F}{3}$
- (b)  $\frac{F}{2}$
- (c)  $\frac{2F}{3}$
- (d)  $F$

87. Why is helium preferred over hydrogen for use in airships ?

- (a) Helium has a low density
- (b) Helium has a high density
- (c) Helium is chemically less reactive
- (d) Helium is chemically more reactive.

88. Consider the following statements :

1. An alloy is a mixture of two or more metals
2. An alloy is a mixture of a metal or metals with a non-metal.

Which of the statements given above is/are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

89. How many milligrams is 1 carat of diamond equal to ?  
 (a) 100 mg (b) 150 mg  
 (c) 200 mg (d) 250 mg
90. Which one of the following is used as a fertilizer ?  
 (a)  $\text{NH}_4\text{OH}$  (b)  $\text{NH}_4\text{Cl}$   
 (c)  $\text{NH}_4\text{NO}_3$  (d)  $(\text{NH}_4)_2\text{SO}_4$
91. Which are the most abundant elements in the atmosphere ?  
 (a) Oxygen and Nitrogen (b) Hydrogen and Oxygen  
 (c) Hydrogen and Helium (d) Carbon and Nitrogen
92. One litre of an unknown gas weighs 1.25 g at STP. Which one of the following can be the formula for the gas ?  
 (a)  $\text{O}_2$  (b)  $\text{CO}$   
 (c)  $\text{CO}_2$  (d)  $\text{SO}_2$
93. Consider the following statements :  
 Nitrogen is an essential constituent of  
 1. soils 2. animals  
 3. plants  
 Which of the statements given above is/are correct ?  
 (a) 3 only (b) 1 and 3 only  
 (c) 1 and 2 only (d) 1, 2 and 3
94. What is the percentage of lead in lead pencil ?  
 (a) 0% (b) 25%  
 (c) 50% (d) 100%
95. Which gas is responsible for the swelling of bread ?  
 (a) Oxygen (b) Carbon monoxide  
 (c) Carbon dioxide (d) Ammonia
96. Consider the following statements :  
 1. Maximum covalency of carbon is 4, whereas maximum covalency of silicon is 6.  
 2. The maximum covalency of an element is limited to 6.  
 Which of the statements given above is/are correct ?  
 (a) 1 only (b) 2 only  
 (c) Both 1 and 2 (d) Neither 1 nor 2
97. Why does a tower appear larger and larger to a person approaching it ?  
 1. The angle subtended by the tower at the eye increases.  
 2. The focal length of eye lens increases.  
 3. The size of the image on the retina of eye increases.  
 Select the correct answer using the codes given below :  
**Codes :**  
 (a) 1 only (b) 3 only  
 (c) 1 and 3 only (d) 1, 2 and 3
98. Match List-I (*Town*) with List-II (*Factory/Plant*) and select the correct answer using the codes given below the Lists :
- |   |   |
|---|---|
| <b>List-I</b><br>(Town)<br>A. Namrup<br>B. Vishakhapatnam<br>C. Perambur<br>D. Renukoot | <b>List-II</b><br>(Factory/Plant)<br>1. Aluminium Plant<br>2. Steel Plant<br>3. Fertilizer Plant<br>4. Integral Coach Factory |
|---|---|
- Codes :**
- |     |   |   |   |   |     |   |   |   |   |
|-----|---|---|---|---|-----|---|---|---|---|
| A   | B | C | D | A | B   | C | D |   |   |
| (a) | 1 | 2 | 4 | 3 | (b) | 1 | 4 | 2 | 3 |
| (c) | 3 | 2 | 4 | 1 | (d) | 3 | 4 | 2 | 1 |
99. Which one of the following towns is well-known for its aluminium industry ?  
 (a) Coimbatore (b) Koraput  
 (c) Ranchi (d) Rourkela
100. At which one of the following towns do National Highways Nos. 6 and 7 cross each other ?  
 (a) Bhopal (b) Gwalior  
 (c) Jhansi (d) Nagpur
101. As per the census of 2001, which one of the following is the correct sequence of states in descending order of their population ?  
 (a) Andhra Pradesh -Karnataka-Tamil Nadu  
 (b) Andhra Pradesh-Tamil Nadu-Karnataka  
 (c) Karnataka-Tamil Nadu-Andhra Pradesh  
 (d) Tamil Nadu-Andhra Pradesh-Karnataka
102. Which one of the following pairs is not correctly matched ?
- |                    |              |
|--------------------|--------------|
| <b>Town</b>        | <b>River</b> |
| (a) Bharuch        | Narmada      |
| (b) Surat          | Tapi         |
| (c) Vijaywada      | Krishna      |
| (d) Vishakhapatnam | Godavari     |
103. In which one of the following states is Zojila Pass located ?  
 (a) Arunachal Pradesh (b) Jammu and Kashmir  
 (c) Himachal Pradesh (d) Sikkim
104. Match List-I (*Town*) with List-II (*River*) and select the correct answer using the codes given below the Lists :
- |   |  |
|---|--|
| <b>List-I</b><br>(Town)<br>A. Nanded<br>B. Nellore<br>C. Hospet<br>D. Hyderabad | <b>List-II</b><br>(River)<br>1. Godavari<br>2. Tungbhadra<br>3. Musi<br>4. Penneru |
|---|--|
- Codes :**
- |     |   |   |   |   |     |   |   |   |   |
|-----|---|---|---|---|-----|---|---|---|---|
| A   | B | C | D | A | B   | C | D |   |   |
| (a) | 1 | 4 | 2 | 3 | (b) | 1 | 2 | 4 | 3 |
| (c) | 3 | 4 | 2 | 1 | (d) | 3 | 2 | 4 | 1 |
105. Which of the following pairs is/are correctly matched ?  
 1. Hirakund Reservoir : Sambalpur  
 2. Ukai Reservoir : Amravati  
 3. Tawa Reservoir : Pachmarhi  
 Select the correct answer using the code given below :  
 (a) 1 only (b) 2 and 3  
 (c) 1 and 3 (d) 1, 2 and 3
106. Which one of the following is a fungus ?  
 (a) Agaricus (b) Funaria  
 (c) Rhizobium (d) Spirogyra
107. Which one of the following is the largest phylum in the animal kingdom ?  
 (a) Annelida (b) Arthropoda  
 (c) Chordata (d) Protozoa

108. Consider the following diseases :
- (a) Hepatitis-B (b) Influenza  
(c) Rabies (d) Scabies
- Which of the above are caused by virus ?
- (a) 1, 2 and 3 (b) 2, 3 and 4  
(c) 1 and 4 (d) 1, 2, 3 and 4
109. The oxygen released during photosynthesis of green plants comes from the breakdown of which one of the following ?
- (a) Carbon dioxide (b) Fatty acids  
(c) Carbohydrates (d) Water
110. In human beings, the digestion of proteins starts in which part of the alimentary canal ?
- (a) Mouth (b) Stomach  
(c) Doudenum (d) Ileum
111. The enzyme present in the saliva of human beings breaks :
- (a) starch into maltose  
(b) proteins into peptides  
(c) peptides into amino acids  
(d) fats into fatty acids
112. Consider the following statements :
1. Beans are richer source of proteins than potatoes.
  2. Apples are richer source of carbohydrates than bananas.
- Which of the statements given above is/are correct ?
- (a) 1 only (b) 2 only  
(c) Both 1 and 2 (d) Neither 1 nor 2
113. The involvement of which one of the following is essential in the control of blood sugar ?
- (a) Adrenal (b) Pancreas  
(c) Parathyroid (d) Spleen
114. During the anaerobic respiration that takes place in our muscles while doing rigorous exercise, what is the end product formed in the muscles ?
- (a) Acetic acid (b) Carbon dioxide  
(c) Ethanol (d) Lactic acid
115. Which one of the following causes the disease syphilis ?
- (a) Bacteria (b) Fungus  
(c) Protozoan (d) Virus
116. What is the nickname of the recently discovered planet in our solar system ?
- (a) Diana (b) Mona  
(c) Tina (d) Xena
117. Who is Benjamin Carson who was recently in the news ?
- (a) The World Bank expert to examine the dispute on Bhaglihar Hydro Project  
(b) The latest US Ambassador to India  
(c) The neuro-surgeon who separated the conjoined twins  
(d) Recipient of Jannalal Bajaj Award for promoting Gandhian values outside India
118. In the 52nd National Film Awards, whom did the President of India confer the Nargis Dutt Award for Best Feature Film on National Integration ?
- (a) Aloori Gopalakrishnan  
(b) D. Rama Naidu  
(c) Shyam Benegal  
(d) Yash Chopra
119. Where is Baikonur Cosmodrome located ?
- (a) Belarus (b) Kazakhstan  
(c) Russia (d) Ukraine
120. What is Shenzhou VI, that was recently in the news ?
- (a) A Chinese new Intercontinental Ballistic Missile  
(b) A Chinese manned spacecraft to orbit the earth  
(c) A Taiwanese indigenously developed satellite  
(d) A North Korean missile fitted with nuclear warheads
121. Which one of the following plants yields bio-diesel and bio-fuel ?
- (a) Hevea brasiliensis  
(b) Jatropha curcas  
(c) Juniperus virginiana  
(d) Parthenium argentatum
122. Which country won the Hockey Champions Trophy held in Chennai in December, 2005 ?
- (a) Netherlands (b) Australia  
(c) Germany (d) Spain
123. Anup Sridhar, a well-known sportsman, is associated with which one of the following games/sports ?
- (a) Badminton (b) Shooting  
(c) Table Tennis (d) Boxing
124. Who among the following is well-known as a sportsman in shooting ?
- (a) Shikha Tandon  
(b) Soudamini Gavankar  
(c) Arjun Murlitharan  
(d) Rehan Poncha
125. Consider the following statements :
1. The magnetic pole in the northern hemisphere is the north magnetic pole.
  2. At all points on a magnet, an iron bar gets attracted.
- Which one of the following statements given above is/are correct ?
- (a) 1 only (b) 2 only  
(c) Both 1 and 2 (d) Neither 1 nor 2
126. How does the weight of a body vary while moving from the earth to the moon ?
- (a) It gradually decreases till it reaches the moon surface.  
(b) It gradually increases till it reaches the moon surface.  
(c) First it gradually decreases to zero value and then increases till it reaches the moon surface  
(d) First it gradually increases and then decreases till it reaches the moon surface
127. Consider the following statements :
1. The gravitational force exerted by the sun on the moon is greater than the gravitational force exerted by the earth on the moon.
  2. A heavy body falls at a faster rate than a light body in vacuum.
- Which of the following statements given above is/are correct ?
- (a) 1 only (b) 2 only  
(c) Both 1 and 2 (d) Neither 1 nor 2

128. Two plane mirrors are inclined at an angle  $\theta$  to one another. A ray of light incident on the first mirror and parallel to the second mirror is reflected from the second mirror parallel to the first mirror. What is the value of  $\theta$ ?

- (a)  $0^\circ$  (b)  $45^\circ$   
(c)  $60^\circ$  (d)  $90^\circ$

129. Why doesn't Archimedes' principle hold for a vessel under a free fall?

- (a) The effective value of  $g$  increases  
(b) The effective value of  $g$  decreases  
(c) The body immersed in the vessel will become weightless  
(d) The density of air increases

130. The effective resistance of two wires is  $2x$ . The resistance of one wire is two times that of the other wire and is three times the effective resistance. Which one of the following is correct in respect of value of  $x$ ?

- (a)  $x$  can take only one value  
(b)  $x$  must only be greater than or equal to 1  
(c)  $x$  can take any positive real value  
(d) The information given above is inconsistent

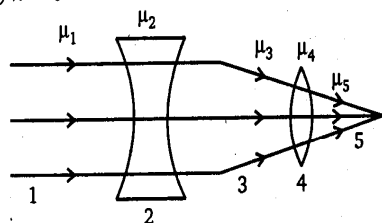
131. A stone is thrown vertically upwards with an initial velocity  $u$  from the top of a tower of height  $\frac{12u^2}{g}$ . With what velocity does the stone reach the ground?

- (a)  $u$  (b)  $4u$   
(c)  $5u$  (d)  $2\sqrt{6}u$

132. A block of weight  $W$  floats in a lake. If the apparent weight of the floating block is  $W'$ , then which one of the following is correct?

- (a)  $W' > W$   
(b)  $W' = \frac{W}{2}$   
(c)  $W' = W$   
(d)  $W' = 0$

133.



In the figure shown above  $\mu_1, \mu_2, \mu_3, \mu_4$  and  $\mu_5$  are the refractive indices of the mediums 1, 2, 3, 4 and 5 respectively. Consider the following:

1.  $\mu_1 = \mu_2$
2.  $\mu_3 = \mu_4 = \mu_5$
3.  $\mu_2 < \mu_3$
4.  $\mu_4 > \mu_5$

Which of the above are correct?

- (a) 1 and 2  
(b) 1, 2 and 3  
(c) 1 and 3  
(d) 3 and 4

134.

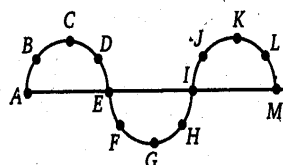


Figure given above shows the part of a long string in which transverse waves are produced. Which pair of points is in phase?

- (a) A and E  
(b) B and J  
(c) D and J  
(d) C and G

135. The function of a safety fuse of a given material is independent of which one of the following?

- (a) Radius of the fuse wire  
(b) Resistivity of the fuse wire  
(c) Length of the fuse wire  
(d) Current flowing through the fuse wire

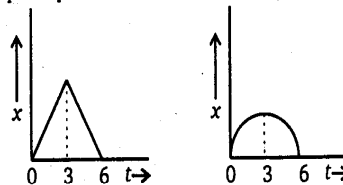
136. Which one of the following statements is correct?

In an astronomical telescope of refracting type,

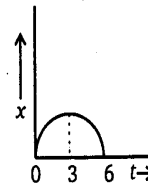
- (a) the objective and the eyepiece have the same focal length  
(b) the focal length of the objective is less than that of the eyepiece  
(c) the focal length of the objective is more than that of the eyepiece  
(d) the aperture of the eyepiece is more than that of the objective

137. A particle starts from rest, accelerates uniformly for 3 s and then decelerates uniformly for 3 s and comes to rest.

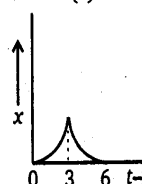
Which one of the following displacement ( $x$ )-time ( $t$ ) graphs represents the motion of the particle?



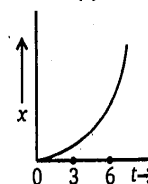
(a)



(b)



(c)



(d)

138. The mass of a copper wire of resistance  $R_1$  and length  $l_1$  is four times the mass of another copper wire of length  $l_2$  and resistance  $R_2$ . If  $R_1 = R_2$ , which one of the following is correct?

- (a)  $l_1 = l_2$  (b)  $l_1 = 4l_2$   
(c)  $l_1 = 2l_2$  (d)  $2l_1 = l_2$

139. Which type of cell can be used if a device requires 75 A of current for 15 s ?

- (a) Simple voltaic cell      (b) Daniel cell  
 (c) Leclanche cell      (d) Lead-acid cell

140. Why does one experience a strong shock when one accidentally touches a live-wire of, say, 220 V ?

- (a) The resistance of human body is very low  
 (b) The resistance of human body is very high  
 (c) The human body is sensitive to even feeble currents  
 (d) The human body is sensitive to large currents only

141. Which one of the following statements is correct ?

The space surrounding a charge in uniform motion has

- (a) only an electric field  
 (b) only a magnetic field  
 (c) both electric and magnetic fields  
 (d) neither an electric field nor a magnetic field

142. Consider the following statements :

1. X-rays show transverse wave characteristics.
2. X-rays can eject electrons from certain metal surfaces
3. X-rays of  $0.1 \text{ \AA}$  are harder than X-rays of  $0.2 \text{ \AA}$ .

Which of the statements given above is/are correct ?

- (a) 1 only      (b) 1 and 2  
 (c) 2 and 3      (d) 1, 2 and 3

143. Which one of the following substances does not have a melting point ?

- (a) Bromine      (b) Sodium chloride  
 (c) Mercury      (d) Glass

144. The thermal capacity of a substance is  $5 \text{ cal/}^\circ\text{F}$ . What is water equivalent of the substance ?

- (a) 5 g      (b) 9 g  
 (c)  $\frac{25}{9} \text{ g}$       (d) 5 kg

145. Why is sound heard with more intensity through  $\text{CO}_2$  than through the air ?

- (a) Density of  $\text{CO}_2$  is more than that of air  
 (b) Density of  $\text{CO}_2$  is less than that of air

(c) Air is bad conductor of heat

(d)  $\text{CO}_2$  is a compound, but air is a mixture of gases.

Directions :

The next five (5) items consist of two statements, one labelled as the 'Assertion (A)' and the other as 'Reason (R)'. You are to examine these two statements carefully and select the answers to these items using the codes given below :

Codes :

(a) Both A and R are individually true and R is the correct explanation of A

(b) Both A and R are individually true, but R is not the correct explanation of A

(c) A is true, but R is false

(d) A is false, but R is true

146. **Assertion (A)** : The Government of India Act of 1858 transferred the governance of India from the East India Company to the Crown.

**Reason (R)** : The East India Company was unwilling to administer India any more.

147. **Assertion (A)** : Ice melts at a temperature lower than  $0^\circ\text{C}$  at a pressure higher than the normal pressure.

**Reason (R)** : The melting point of a substance always decreases with increase in pressure.

148. **Assertion (A)** : Water gets heated quickly although it is a bad conductor of heat.

**Reason (R)** : Water gets heated mainly by the mode of convection.

149. **Assertion (A)** : Most coloured flowers when exposed to chlorine get bleached.

**Reason (R)** : HCl produced by the action of chlorine on water oxidises coloured matter to colourless compound.

150. **Assertion (A)** : Atomic weights of most of the elements are not whole numbers.

**Reason (R)** : Atoms of most of the elements contain mixture of isotopes having different atomic weights.

**Ans: General Ability Test**

1	(c)	51	(c)	101	(b)
2	(d)	52	(c)	102	(d)
3	(a)	53	(b)	103	(b)
4	(b)	54	(b)	104	(a)
5	(d)	55	(a)	105	(c)
6	(c)	56	(a)	106	(a)
7	(b)	57	(d)	107	(b)
8	(d)	58	(d)	108	(a)
9	(b)	59	(c)	109	(d)
10	(c)	60	(c)	110	(b)
11	(d)	61	(d)	111	(a)
12	(a)	62	(c)	112	(d)
13	(d)	63	(b)	113	(b)
14	(c)	64	(b)	114	(d)
15	(b)	65	(d)	115	(a)
16	(b)	66	(b)	116	(d)
17	(d)	67	(b)	117	(a)
18	(c)	68	(d)	118	(c)
19	(c)	69	(d)	119	(b)
20	(b)	70	(b)	120	(b)
21	(d)	71	(c)	121	(b)
22	(a)	72	(b)	122	(b)
23	(b)	73	(b)	123	(a)
24	(c)	74	(a)	124	(b)
25	(b)	75	(c)	125	(d)
26	(d)	76	(c)	126	(c)
27	(a)	77	(a)	127	(a)
28	(a)	78	(a)	128	(c)
29	(a)	79	(a)	129	(c)
30	(b)	80	(c)	130	(c)
31	(c)	81	(c)	131	(c)
32	(b)	82	(d)	132	(d)
33	(a)	83	(b)	133	(b)
34	(d)	84	(c)	134	(b)
35	(b)	85	(b)	135	(c)
36	(c)	86	(d)	136	(c)
37	(c)	87	(c)	137	(c)
38	(d)	88	(a)	138	(c)



39	(d)	89	(c)	139	(c)
40	(b)	90	(d)	140	(b)
41	(b)	91	(a)	141	(c)
42	(d)	92	(b)	142	(d)
43	(b)	93	(d)	143	(c)
44	(a)	94	(a)	144	(a)
45	(d)	95	(c)	145	(b)
46	(c)	96	(d)	146	(c)
47	(b)	97	(c)	147	(a)
48	(a)	98	(c)	148	(a)
49	(d)	99	(b)	149	(c)
50	(b)	100	(d)	150	(a)