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UPSC NDA Exam 2006-II General Ability Test
Solved Paper

PART-A**SPOTTING ERRORS**

Directions (For the next 8 items) :

- (i) In this Section a number of sentences are given. The sentences are underlined in three separate parts and each one is labelled (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.

Examples '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 correct answer, as the sentence does not contain any error.

1. She stood off from the crowd
 (a) (b)
because of her height and flaming red hair.
 (c)

No error

(d)

2. The data on the divorce case is
 (a) (b)
on the judge's desk. No error
 (c) (d)

3. There is a beautiful moon out tonight
 (a)
and Neeta and I are going for a stroll
 (b)
would you like to come along with she and I?
 (c)
No error
 (d)
4. Your husband doesn't believe that you are older
 (a) (b)
than I. No error
 (c) (d)
5. You should be cautious
 (a)
and make a few discrete enquires about
 (b)
the firm before you sign anything.
 (c)
No error
 (d)
6. I will need several weeks
 (a)
to invent the lie of the land before
 (b)
I can make any decision about the future of the business.
 (c)
No error
 (d)
7. The salesman gave us
 (a)
a big spiel about why
 (b)
we should buy his product.
 (c)
No error
 (d)
8. With the crisis deepening,
 (a)
the critics sense an opportunity
 (b)
about putting in place a more radical strategy.
 (c)
No error
 (d)

Directions (For the next 8 items) :

Example 'Z' has been solved for you.

Which one of the following is the correct sequence?

- Explanation :**

will understand how the product differs the competition

Which one of the following is the correct sequence ?

- (P)
in order to augment their incomes, plead
for more children, ignoring the resultant

Which one of the following is the correct sequence ?

- Which one of the following is the correct sequence ?

- Which one of the following is the correct sequence ?

13. A school of psychology argues that

(S)

Which one of the following is the correct sequence ?

- (S)
Which one of the following is the correct sequence ?

- (R)
- at attempt to reinvigorate traditional institutions and realize the potential of

- (Q) and the innumerable postings and below par accommodation at many stations.

despite the vicissitudes and hardships of the

(S)

Which one of the following is the correct sequence ?

- (a) S R P Q (b) Q P R S
(c) S P R Q (d) Q R P S

ORDERING OF SENTENCES

Directions (For the next 7 items) :

In the following items, each passage consists of six sentences. The first sentence is (S₁) and the sixth sentence (S₆) are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled 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. S₁ : There was a boy named Jack.

S₆ : 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) R Q P S (b) S P Q R
(c) R P Q S (d) S Q P R

Explanation :

The correct sequence in this example is R Q P S which is marked by (a). Therefore, (a) is the correct answer.

17. S₁ : The debate on whether women leaders are better than men cannot be conclusive.
S₆ : Educating the girl-child, especially in the rural areas, could go a long way in empowering women.
P : Though they constitute about 50 per cent of the population, women's representation in the elected bodies is grossly inadequate.
Q : If there are a few good men leaders, there are a few good woman leaders too.
R : Drawing gender differences in leadership or management is unnecessary.
S : However, very few women have entered politics, which is largely a man's world.
Which one of the following is correct sequence ?
(a) R Q S P (b) P S R Q
(c) R Q P S (d) P S Q R
18. S₁ : Any discussion on human rights is incomplete without reference to the security and terrorist threats facing the country.
S₆ : It is necessary to underline that it will be wrong to treat all such violent movements as pure law and order problems.
P : The police as also the armed forces are facing an uphill task in containing these violent activities and maintaining peace and order.
Q : It must be appreciated that there is an imperative need for such special legislations as the normal laws are not adequate to deal with the situation.
R : An important issue which has come up in this context relates to the need for special legislation to cope with the situation.
S : Several parts of the country have been rocked violence, terrorism, secessionist movement and insurgency.

Which one of the following is the correct sequence ?

- (a) S P Q R (b) P S Q R
(c) S P R Q (d) P S R Q

19. S₁ : What are the outstanding features of the Indian Freedom Struggle ?
S₆ : It not only permitted but encouraged free expression of opinion within the party and the movement.
P : The movement popularized democratic ideas and institutions in India.
Q : The Indian National Congress was organized on a democratic basis and in the form of a parliament.
R : The nationalists fought for the introduction of a representative government.
S : A major aspect is the value and modern ideals on which the movement itself was based and the broad socio-economic and political vision of its leadership.
Which one of the following is correct sequence ?
(a) P S R Q (b) S P R Q
(c) P S Q R (d) S P Q R
20. S₁ : Indian media still has not matured as far as election coverage goes.
S₆ : There is nothing wrong in the demand for unbiased, non-casteist and noncommunal reporting.
P : Today, it is common for public relations firms to cultivate journalists and planting stories.
Q : At the same time, nobody has addressed to the menace of corruption in the media itself.
R : In such a scenario, the reader feels shortchanged as unbiased election coverage is not available.
S : Press conferences are used openly for giving gifts and bribes to journalists.
Which one of the following is the correct sequence ?
(a) P Q S R (b) Q P R S
(c) P Q R S (d) Q P S R
21. S₁ : Over decades, we have made things a lot worse.
S₆ : In the end, it can destroy the entire village.
P : It has proved quite disastrous.
Q : The unregulated spread of borewells was an early form of water privatisation.
R : Many poor farmers have seen their dug wells sucked dry as neighbours collar all the ground-water.
S : The richer you are, the more wells you can sink, the deeper you can go.
Which one of the following is the correct sequence ?
(a) Q S P R (b) P Q R S
(c) Q P R S (d) P S Q R
22. S₁ : The fact is that good writing is a craft which can be acquired like any other craft.
S₆ : In short, he has to become a wordsmith.
P : Much the same is the case with the one who aspires to become a good craftsman of English.
Q : Let's take examples.
R : A young man, who wants to become a goldsmith or a silversmith, becomes an apprentice with a seasoned man in that craft.
S : After a few years of apprenticeship, he learns the ins and outs of it and becomes a skillful craftsman.
Which of the following is the correct sequence ?
(a) S P Q R (b) Q R S P
(c) S R Q P (d) Q P S R

23. S₁ : Yet, things are not that bad.
 S₆ : Fortune, after all, favours the brave, not the complainers.
 P : Some of the successful people started out with more handicaps than us.
 Q : It is time we stopped feeling sorry for ourselves and got over our doubts and fears to face the world.
 R : If we look around ourselves, we find people who had less than us but went on to make their fortunes.
 S : Perhaps we can replicate what they did for themselves.
 Which one of the following is the correct sequence ?
 (a) R Q S P (b) S P R Q
 (c) R P S Q (d) S Q R P

SYNONYMS

Directions (For the next 8 items) :

Each of the following *eight* items consists of a word in a 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.

24. **TEPID**
 (a) Irreversible (b) Causing fatigue
 (c) Fast moving (d) Lukewarm
25. **TENUOUS**
 (a) Contentious (b) Dark
 (c) Slender (d) Malfunctioning
26. **PROBITY**
 (a) Integrity (b) Impudence
 (c) Profane (d) Preface
27. **MUSTY**
 (a) Certainty (b) Stale
 (c) Modern (d) Mysterious
28. **PLAUDIT**
 (a) Applause (b) Knowledgeable
 (c) Lazy (d) Communicative
29. **TEMERITY**
 (a) Innocence (b) Tendency
 (c) Audacity (d) Tenderness
30. **RUMINATE**
 (a) To run fast (b) To reprimand
 (c) To think deeply (d) To spend lavishly
31. **DEPRECATE**
 (a) To repeat (b) To belittle
 (c) To steal (d) To search

ANTONYMS

Directions (For the next 8 items) :

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

32. **REPUDIATE**
 (a) Explain (b) Criticize
 (c) Accept (d) Weaken
33. **GIMCRACK**
 (a) Notorious (b) Outstanding
 (c) Humour (d) Incurable
34. **LACONIC**
 (a) Voluble (b) Jealous
 (c) Exhausted (d) Timid

35. **STOICAL**
 (a) Urbane (b) Flinching
 (c) Worldly (d) Hostile
36. **DISPARAGE**
 (a) To cause ambiguity (b) To add to confusion
 (c) To spread rumours (d) To adulate
37. **SWINGING**
 (a) Tactful (b) Extremely hot weather
 (c) Little in amount (d) Hindrance
38. **RICKETY**
 (a) Stable (b) Humid
 (c) Rollicking (d) Pleasing
39. **PINNACLE**
 (a) Discipline (b) Lowest point
 (c) Delightful (d) Comfort

COMPREHENSION

Directions (For the next 11 items) :

In this Section you have *Two* short passages. After each 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.

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

PASSAGE

(Example)

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

- (a) different forms of life are found on earth
 (b) different levels of existence are possible in nature
 (c) peace and security are the chief goals of all living beings
 (d) 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 ?

- (a) All forms of life have a single overriding goal
 (b) The will to survive of a creature is identified with a desire for peace
 (c) All beings are divided into higher and lower groups
 (d) 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-I

The US Senate's approval of an immigration Bill has been welcomed in India as well as in the IT industry in America because of the proposal of double H1-B visas for skilled foreign workers. However, the more important bit in the legislation, if approved by the House of Representatives, is the lifeline to millions of illegal immigrants in the US. Some of the key proposals in the Bill include allowing illegal immigrants, who have been in America for five years, to become legal residents by paying a certain amount in fines and back taxes. Those who have been in the country between two and five years can go to a point of entry at the US border and file an application. There is also a provision for creating a guest worker programme especially meant for farm workers. These are welcome moves to recognise the huge presence—according to some estimates 12 to 15 million—of illegal immigrants in the US and legitimising their existence. But it must be understood that the US is not considering this legislation out of a sense of altruism. The truth is that the bulk of immigrants are doing jobs that Americans simply don't want to do. They are employed in jobs that pay minimum wages and entail long working hours. But giving illegal immigrants the opportunity to become legal residents will at least ensure that they are not exploited by employers and that they are covered by social security benefits.

American legislators, however need to go beyond this. They must recognise that the US needs trained people in various fields, particularly in schools and hospitals. India with its vast population of educated youth is a natural source of such personnel. Instead of just targeting India for its best brains, The US should open up its labour market for more school teachers, nurses and technicians from India. Compared to Mexicans, the largest component of immigrants to the US, Indians have a natural advantage in that they know English. They would also be willing to work in America's inner cities and other supposedly 'hardship' stations. Along with nuclear deals and technology transfer, the two largest English-speaking democracies must realise that they could mutually benefit from bilateral employment agreements. India, with its one-billion plus and growing population, has the potential of supplying First World nations with declining birth rates much-needed labour.

Based on the passage given above, answer to the questions which follow :

40. Consider the following statements :
1. Besides for high technology areas, India can be an effective source of manpower in the health and education sectors of the United States of America.
 2. Only those illegal immigrants can file an application for getting status of legal residents who have stayed in the US for over five years.
- Which of the statement(s) given above is/are correct ?
- (a) Only 1 (b) Only 2
(c) Both 1 and 2 (d) Neither 1 nor 2
41. Consider the following statements :
1. The number of farm workers in the US is between 12 to 15 million.
 2. The types of jobs which engage the immigrants are not sought after by the Americans.

Which of the statement(s) given above is/are correct ?

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

42. Consider the following statements :

1. One of the shortcomings of the immigration Bill is that illegal immigrants will still be deprived of social security benefits.
2. India contributes the largest number of immigrants to the United States of America.

Which of the statement(s) given above is/are correct ?

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

43. Consider the following statements :

1. The basic premise of the immigration Bill is a concern of the Federal Government of the United States of America for welfare of the mankind.
2. Both Mexican and Indian immigrants enjoy an advantage of good communication skills in English.

Which of the statement(s) given above is/are correct?

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

PASSAGE-II

The art of effective presentation is the fruit of persistent efforts and practice. Your personality is reflected in your presentation. Adequate planning and preparation are essential for a successful presentation. A thorough preparation is the best antidote for nervousness. If a person is not successful in presenting his views and ideas then it will become the greatest obstacle in his career and life. People form a perception about how competent you are by how you present yourself when you stand and speak.

A successful presentation can help a person in winning orders for the company he works for. Most people who work in organizations find that their effectiveness and success depend on their ability to organize their ideas and present them effectively. Delivering your message in person provides immediate feedback that helps you clarify points and answer questions.

Oral presentations are often more persuasive. As far as possible, one should never read a presentation or memorize it. Then the presentation will lose flexibility and communication will suffer. The spoken word wields great power. Face-to-face interaction demands thinking and speaking. Anecdotes, quotations and humorous touches often make a presentation interesting. One may consult his notes frequently when he is making his presentation. This may create a feeling among listeners that the speaker has taken pains to prepare for the occasion. A positive response will be generated and the speaker will be heard with respect. Speaker's enthusiasm and confidence can influence people to accept or reject an idea in a way that a written document cannot. A presentation should be persuasive and should change the audience's attitude. The topic of the presentation must be interesting to the audience. The topic should be of interest to the speaker also otherwise he will go through the motions of making a presentation. No perfunctory approach should ever be resorted to while making a presentation. It is very important that the speaker is perceived by the audience as credible and

qualified to speak about the topic. Speaker must adapt to intellectual level of the audience.

Based on the passage given above, answer to the questions which follow :

44. Consider the following statements :

1. Persuasive skill-set is a prerequisite to an effective presentation.

2. At the end of a presentation, offering small gifts to the audience by the speaker is a good strategy.

Which of the statement(s) given above is/are correct ?

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

45. Consider the following statements :

1. Innate stage fright of a speaker can be countered by meticulous preparation of his presentation.

2. Confidence of a speaker is generally taken by the audience as a sign of arrogance.

Which of the statement(s) given above is/are correct ?

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

46. Consider the following statements :

1. Topic of the presentation must be of relevant interest to the audience to induce their responses.

2. Topic of the presentation may or may not be of intimate interest to the speaker.

Which of the statement(s) given above is/are correct ?

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

47. Consider the following statements :

1. A speaker must memorize his talk so as to introduce more flexibility.

2. A written document is more efficacious than an oral presentation as it leaves a lasting impression on the reader.

Which of the statement(s) given above is/are correct ?

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

48. Consider the following statements :

1. Presentations are not meant to change point of view of the audience about subject of the presentation.

2. Recounting of quotations in the presentation should be avoided as it makes the presentation appear superficial.

Which of the statement(s) given above is/are correct ?

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

49. Consider the following statements :

1. One of the drawbacks of presentations is that they fails to provide a feedback from the audience.

2. While making a presentation one should, at times, refer to his written material.

Which of the statement(s) given above is/are correct ?

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

50. Consider the following statements :

1. An effective presentation about the product of a company can help in increasing sales volumes.

2. Impromptu presentation can leave a more forceful impact on the audience.

Which of the statement(s) given above is/are correct ?

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

PART-B

Directions :

The following six 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

51. Assertion (A) : The Steppe climate is most widespread in North America and Eurasia.

Reason (R) : The Steppe climate is characterized by wet summers as well as wet winters.

52. Assertion (A) : Major natural regions of the world possess similar topography.

Reason (R) : Climate is a major influencing factor in a natural region.

53. Assertion (A) : Shah Alam II joined hands with Shuja-ud-daulah to fight against the English.

Reason (R) : Marathas joined the English forces to invade the territories of Shuja-ud-daulah.

54. Assertion (A) : Though carbohydrates are covalent compounds, they are soluble in water.

Reason (R) : Compounds which form hydrogen bond with water are generally soluble in water.

55. Assertion (A) : If a barometer carries water instead of mercury, the height of the column for a pressure equivalent to 76 cm of mercury increases.

Reason (R) : The specific heat of water is greater than that of mercury.

56. Assertion (A) : Diameter of one of the limbs of a U-tube manometer is twice that of its other limb. The limbs are open to atmosphere at their free ends. If mercury is added to the manometer, the level of mercury in the wider limb will be half of that in the narrower limb.

Reason (R) : Liquids always maintain the same level under same pressure.

57. Consider the following statements :

1. In the coastal regions, the land breeze blows over to the sea during night.

2. In the coastal regions, during night, the air over the sea is warmer than the air over land.

Which of the statements given above is/are correct ?

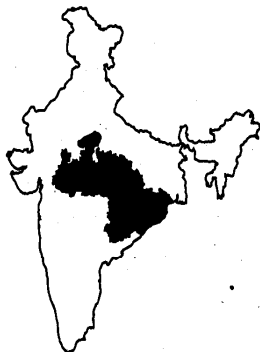
- (a) Only 1 (b) Only 2
(c) Both 1 and 2 (d) Neither 1 nor 2

58. Consider the following statements :

1. A war of succession started among the four sons of the Emperor Shahjahan in 1657 A.D.

2. There was no codified Law of Succession for the Mughal dynasty.

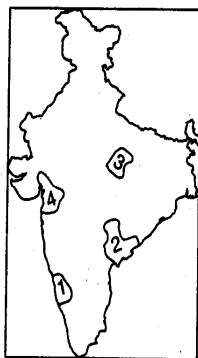
- Which of the statements given above is/are correct ?
 (a) Only 1 (b) Only 2
 (c) Both 1 and 2 (d) Neither 1 nor 2
59. Which one of the following is the central theme of 'The Communist Manifesto' written by Marx and Engels ?
 (a) Tools of production (b) Theory of State
 (c) Abolition of State (d) Class Struggle
60. Who is author of *One Night @ the Call Centre* ?
 (a) Vikram Seth (b) Chetan Bhagat
 (c) Anurag Mathur (d) Robin Sharma
61. Which one of the following contains powerful oxidative enzymes and helps in removing toxic substances from cells ?
 (a) Plastids (b) Lysosomes
 (c) Dictyosomes (d) Peroxisomes
62. Which among the following is the largest phylum in the Animal Kingdom in respect to number of species ?
 (a) Annelida (b) Platyhelminthes
 (c) Chordata (d) Arthropoda
63. Which one of the following pairs is not correctly matched ?
 (a) Funaria : Bryophyte
 (b) Chlorella : Pteridophyte
 (c) Spirogyra : Algae
 (d) Cycas : Gymnosperm
- 64.



In the map given above, what is the population density in the region represented by the shaded area?

- (a) Below 100 persons per sq. km
 (b) 100 to 300 persons per sq. km
 (c) 300 to 500 persons per sq. km
 (d) Above 500 persons per sq. km

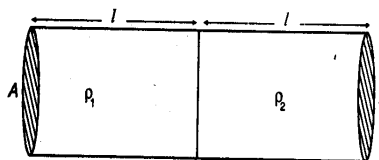
65.



In the map given above, out of the four areas represented

- by number 1 to 4, which of them represent tobacco growing areas ?
 (a) 1, 2 and 3 (b) Only 2 and 4
 (c) 1, 2 and 4 (d) 3 and 4
66. Consider the following statements on the basis of Census 2001 :
 1. In Kerala, the sex ratio is in favour of females.
 2. Next to Kerala, Mizoram has the highest literacy rate in India.
 Which of the statements given above is/are correct ?
 (a) Only 1 (b) Only 2
 (c) Both 1 and 2 (d) Neither 1 nor 2
67. Which one of the following National Highways links Jabalpur, Nagpur, Hyderabad, Bangalore and Madurai ?
 (a) NH 5 (b) NH 7
 (c) NH 9 (d) NH 11
68. Which one of the following enzymes is found in human saliva ?
 (a) Pepsin (b) Ptyalin
 (c) Renin (d) Erepsin
69. Which one of the following pairs is not correctly matched :
 (a) Loop of Henle : Kidney
 (b) Fallopian tube : Female reproductive system
 (c) Epididymis : Male reproductive system
 (d) Cowper's gland : Intestine
70. Which one of the following glands produces insulin in human body ?
 (a) Liver (b) Pancreas
 (c) Spleen (d) Pituitary
71. Which one of the following is a hereditary disease ?
 (a) Cataract (b) Haemophilia
 (c) Pellagra (d) Osteoporosis

72.



Two rods having equal lengths and equal cross-sections but different specific resistances ρ_1 and ρ_2 are joined at one end as shown in the figure given above. What is the effective specific resistance of the combination ?

- (a) $\frac{\rho_1 \rho_2}{\rho_1 + \rho_2}$ (b) $\frac{\rho_1 + \rho_2}{2}$
 (c) $\rho_1 + \rho_2$ (d) $\frac{\rho_1 \rho_2}{2(\rho_1 + \rho_2)}$

73. The specific gravity of a substance is measured by a hydrometer at the sea level. If the measurement is done at the top of a mountain, what would be the specific gravity ?
 (a) Zero
 (b) More than that measured at the sea level
 (c) Less than that measured at the sea level
 (d) Same as that measured at the sea level
74. What is the number of neutral points for a bar magnet with its north pole pointing geographical north ?
 (a) Zero (b) One
 (c) Two (d) Infinite

75. Consider the following statements for a simple harmonic motion :

1. The magnitude of the velocity of the body is proportional to its displacement from the mean position.
2. The magnitude of the acceleration of the body is proportional to its displacement from the mean position.
3. The sum of the kinetic energy and potential energy of the body is always constant.

Which of the statements given above is/are correct ?

- (a) 1 and 3 (b) 2 and 3
(c) Only 3 (d) Only 2
76. Which of the following properties are most desirable for a cooking pot ?
- (a) High specific heat capacity and low conductivity
(b) Low specific heat capacity and high conductivity
(c) High specific heat capacity and high conductivity
(d) Low specific heat capacity and low conductivity
77. Consider the following statements :
- Two charged spheres of radii 10 cm and 15 cm are connected by a thin wire. Current will flow through them if they have the same
1. charge on each
 2. energy
 3. potential
- Which of the statements given above is/are correct ?
- (a) Only 1 (b) Only 2
(c) Only 3 (d) Both 1 and 2
78. What is the phenomenon of the moon to appear bigger in size as it approaches the horizon, called ?
- (a) Atmospheric refraction of light
(b) Diffraction of light
(c) Scattering of light
(d) Total internal reflection of light by water vapours
79. Which one of the following is the correct sequence of the wavelengths of radiations ?
- (a) UV > Green > IR > Hard X-rays
(b) IR > Green > UV > Hard X-rays
(c) UV > Hard X-rays > IR > Green
(d) IR > Hard X-rays > Green > UV
80. Match List-I with List-II and select the correct answer using the codes given below the lists :

List-I	List-II
(Asian Games)	(Held In)
A. Asian Games, 1990	1. Thailand
B. Asian Games, 1994	2. South Korea
C. Asian Games, 1998	3. China
D. Asian Games, 2002	4. Japan

Codes :

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

81. Consider the following statements :
1. Asian Games-2010 will be held in China.
 2. The First Asian Games were held in Jakarta, Indonesia.
 3. Chess has been included for the first time as an event having medals in the 15th Asian Games-2006 to be held in Doha.

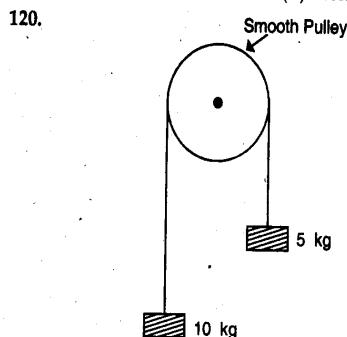
Which of the statements given above is/are correct ?

- (a) 1, 2 and 3 (b) Only 1
(c) Only 2 and 3 (d) Only 1 and 3
82. Which one of the following countries has won the Football World Cup twice but did not participate in the 2006 FIFA World Cup held in Germany ?
- (a) Belgium (b) Denmark
(c) Colombia (d) Uruguay
83. Who among the following decides whether a bill is a Money Bill or not ?
- (a) Union Finance Minister
(b) Speaker of Lok Sabha
(c) Union Minister of Parliamentary Affairs
(d) President of India
84. Which one of the following pairs is correctly matched?
- (a) Lord Cornwallis : Subsidiary Alliance
(b) Lord Dalhousie : Permanent Settlement of Bengal
(c) Lord Lytton : Doctrine of Lapse
(d) Lord Curzon : Partition of Bengal
85. Which one amongst the following is nearest to the Sun?
- (a) Earth (b) Mars
(c) Mercury (d) Venus
86. How is Shobhana Chandrakumar well known as?
- (a) Dancer
(b) Environmentalist
(c) Educationist and a member of the National knowledge Commission
(d) Sportsperson
87. Which one among the following is not one of the G-4 group of countries that are aspiring for permanent membership in the Security Council of the United Nations?
- (a) Brazil (b) Germany
(c) Australia (d) Japan
88. How is Harold Pinter well known as ?
- (a) Film director in the Hollywood
(b) Nobel Laureate in literature
(c) Leading industrialist in telecommunication industry
(d) Nuclear scientist of the United Kingdom
89. Nokia—one of the leading cellular phone producers in the world originates from which one of the following countries ?
- (a) Japan
(b) Sweden
(c) United States of America
(d) Finland
90. S.R. Nathan is the President of which one of the following countries ?
- (a) Mauritius (b) Singapore
(c) Fiji (d) Trinidad and Tobago
91. Which one of the following pairs is not correctly matched?
- (a) Indus : Shyok (b) Ganga : Gandak
(c) Godavari : Musi (d) Krishna : Tungabhadra
92. Match List-I and List-II and select the correct answer using the codes given below :

List-I	List-II
(Product)	(Major Producer)
A. Tea	1. Andhra Pradesh
B. Jute	2. Kerala

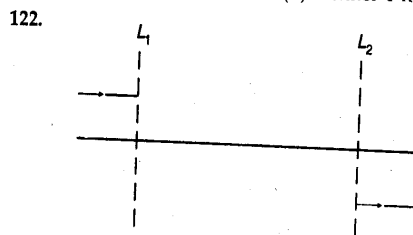
- C. Manganese 3. Nellore
D. Mica 4. Shimoga
- Codes :**
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 3 | 4 | 2 | 1 |
| (b) | 1 | 2 | 4 | 3 |
| (c) | 3 | 2 | 4 | 1 |
| (d) | 1 | 4 | 2 | 3 |
108. Sandstone is a :
(a) Extrusive igneous rock
(b) Intrusive igneous rock
(c) Metamorphic rock
(d) Sedimentary rock
109. Which one of the following is not correctly matched ?
(a) Buran : Canada
(b) Hurricane : Caribbean Islands
(c) Tornado : Southeast USA
(d) Typhoon : Philippines
110. Which one of the following chronological orders of the given dynasties of India is correct ?
(a) Maurya—Nanda—Kanva—Sunga
(b) Nanda—Maurya—Sunga—Kanva
(c) Nanda—Maurya—Kanva—Sunga
(d) Maurya—Nanda—Sunga—Kanva
111. Who among the following Sultans of Delhi was the first to have paid to his soldiers in cash ?
(a) Iltutmish
(b) Alauddin Khalji
(c) Muhammad bin Tughlaq
(d) Firuz Tughlaq
112. Which one of the following is the correct sequence of passes when one travels along the Himalayas from Kashmir to Sikkim ?
(a) Zozila—Nathula—Shipkila
(b) Nathula—Shipkila—Zozila
(c) Nathula—Zozila—Shipkila
(d) Zozila—Shipkila—Nathula
113. Consider the following statements :
1. The Labrador current is a cold current in the North Atlantic Ocean.
2. The Falkland current is a warm current that flows along the Chile coast of South Pacific Ocean.
Which of the statements given above is/are correct ?
(a) Only 1 (b) Only 2
(c) Both 1 and 2 (d) Neither 1 nor 2
114. Consider the following statements :
1. In algae, the reproductive organs are single-celled.
2. Fern plants lack true vascular system.
Which of the statements given above is/are correct ?
(a) Only 1 (b) Only 2
(c) Both 1 and 2 (d) Neither 1 nor 2
115. Which one of the following statements is correct ?
Cretinism is a human disorder which is due to the under secretion of :
(a) Adrenalin hormone (b) Cortisone hormone
(c) Glucagon hormone (d) Thyroxin hormone
116. In plants, which one of the following tissues is dead ?
(a) Parenchyma (b) Collenchyma
(c) Sclerenchyma (d) Phloem

117. Which one of the countries who participated in the 2006 FIFA World Cup was not the first time participant in the World Football Cup ?
(a) Ghana (b) Ukraine
(c) Angola (d) Australia
118. A mass m_1 is moving on a plane surface along a straight path under the action of a force F . Another mass m_2 is added on to m_1 and the acceleration drops to $1/5$ of the earlier value of the acceleration. Assuming that F remains constant, what is the ratio $m_1 : m_2$?
(a) $1/6$ (b) $1/5$
(c) $1/4$ (d) $4/5$
119. A beam of light travelling at a velocity of v m/s is incident at an angle 45° on a glass slab of refractive index 1.5. What is the velocity of the beam of light inside the slab ?
(a) v (b) $2v/3$
(c) $v/\sqrt{2}$ (d) None of these



In the system shown above, the masses are released from rest. What shall be the acceleration of the moving masses ?

- (a) g (b) $2g/3$
(c) $g/3$ (d) $g/2$
121. Consider the following statements with reference to observations made by an astronaut on the surface of moon :
1. The astronaut finds that a simple pendulum continues to oscillate for a much longer time, than that on the earth.
2. No atmosphere exists there.
Which of the statements given above is/are correct ?
(a) Only 1 (b) Only 2
(c) Both 1 and 2 (d) Neither 1 nor 2



In the figure shown above, L_1 and L_2 are two lenses and are kept along the same axis. A parallel beam of light falling on L_1 leaves L_2 as a parallel beam :

Consider the following statements.

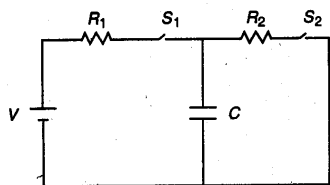
1. Both L_1 and L_2 can be convex lenses.

2. The distance between the two lenses can be equal to sum of their focal lengths.

Which of the statements given above is/are correct ?

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

123.



In the circuit shown above, when do the condenser (C) get fully charged to volts ?

- (a) Both S_1 and S_2 are closed
(b) Both S_1 and S_2 are opened
(c) S_1 is closed but S_2 is opened
(d) S_1 is opened but S_2 is closed

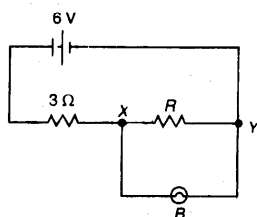
124. A Centigrade thermometer and Fahrenheit thermometer are dipped in boiling water. The temperature of water is lowered till the Fahrenheit thermometer registers half of its upper fixed point. What is the corresponding fall temperature registered by the Centigrade thermometer?

- (a) Half of its range of temperature between the upper and the lower fixed points
(b) Approximately 41°C
(c) Approximately 59°C
(d) 18°C

125. Nuclear fusion reactions require very temperatures so as to overcome :

- (a) van der Waals' forces (b) Nuclear forces
(c) Gravitational forces (d) Coulomb forces

126.



B is a 1.5 V, 0.30A, 5.0 Ω torch bulb working in the circuit as shown above. What is the combined resistance of R and B between the points X and Y?

- (a) 3.0 Ω (b) 0.45 Ω (c) 1.0 Ω (d) 5.0 Ω

127. Which one of the following fertilizers has the maximum percentage of nitrogen ?

- (a) Ammonium sulphate
(b) Urea
(c) Calcium cyanamide
(d) Calcium ammonium nitrate

128. Which one of the following is not contained in Portland cement ?

- (a) $\text{Ca}_3\text{Al}_2\text{O}_6$ (b) Ca_3SiO_5 (c) Ca_2SiO_4 (d) $\text{Ca}_3(\text{PO}_4)_2$

129. Which one of the following acids is used for etching glass ?

- (a) H_2SO_4 (b) HNO_3 (c) HF (d) HCl

130. Consider the following statements :

1. The Chief Justice of a High Court is appointed by the Governor of the state.

2. Every Judge of a High Court including the Chief Justice holds office until he/she attains the age of 65 years.

Which of the statements given above is/are correct ?

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

131. While Proclamation of Emergency is in operation, the term of the Lok Sabha can be extended for a period not exceeding ?

- (a) Six weeks (b) Three months
(c) Six months (d) One year

132. In the United Nations, who decides the quantum of contribution of each member to the income resources of the UN ?

- (a) Trusteeship Council
(b) Economic and Social Council
(c) Security Council
(d) General Assembly

133. What is the reason for July 4, 1776 to be significant in the American history ?

- (a) Abolition of slavery
(b) Adoption of Constitution
(c) End of the American War of Independence
(d) Declaration of Independence

134. Who among the following leaders was instrumental in the formation of the Congress Socialist Party ?

- (a) P.C. Joshi
(b) Subhas Chandra Bose
(c) Acharya Narendra Dev
(d) Ram Manohar Lohia

135. Consider the following :

1. Bardoli Satyagraha
2. Champaran Satyagraha
3. Rowlatt Satyagraha

Which one of the following is the correct chronological order of the above ?

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

136. Who was the Governor General of India during the Revolt of 1857 ?

- (a) Lord Canning (b) Lord Dalhousie
(c) Lord Dufferin (d) Lord Hardinge

137. Consider the following statements :

1. Consequent to the recommendations of the Simon Commission, Three Round Table Conferences were held in Simla, Delhi and Calcutta.

2. The Government of India Act, 1935 contained support towards self-government which was first proposed in the Montagu-Chelmsford Report.

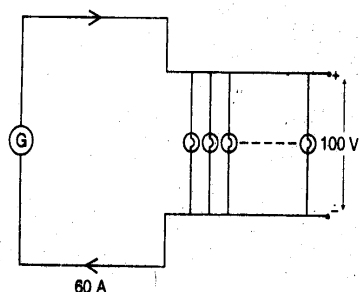
Which of the statements given above is/are correct ?

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

138. A motorcycle, a car and a bus all have the same kinetic energy. If equal braking forces are applied to them, they come to a halt after travelling x, y and z units of distance respectively. Which one of the following is correct ?

- (a) $x < y < z$ (b) $x > y > z$
(c) $x = y = z$
(d) Relationship between x, y and z cannot be determined on the basis of given data

139.



A generator G having a terminal voltage of 100 V is delivering a total current of 60 A to a load comprising N number of 50 W, 100 V lamps connected in parallel as shown in the circuit given above. What is the value of N ?

- (a) 30 (b) 40 (c) 60 (d) 120
140. Which one of the following metals occurs in nature in free state ?
 (a) Gold (b) Sodium (c) Aluminium (d) Copper
141. An ionic compound when dissolved in water has produced mA^{n+} , nB^{m-} ions. What is the formula of the compound?
 (a) A_mB_n (b) A_nB_m (c) A_mB_m (d) A_nB_n
142. What is the colour of oxygen in solid state ?
 (a) Pale yellow (b) Pale blue
 (c) Light green (d) Greenish yellow
143. In surgery, metal pins are used for joining together broken bones. These metal pins remain uncorroded in the body. What is the material of these pins ?
 (a) Copper (b) Iron
 (c) Aluminium (d) Titanium
144. In a redox reaction, $Na_2S_2O_3$ changes to $Na_2S_4O_6$. What is the equivalent weight of $Na_2S_2O_3$?
 (a) Same as its molecular weight
 (b) $1/2 \times$ (its molecular weight)
 (c) $1/3 \times$ (its molecular weight)
 (d) $1/4 \times$ (its molecular weight)
145. Which zone of a candle flame is the hottest ?
 (a) Dark innermost zone
 (b) Outermost zone
 (c) Middle luminous zone
 (d) Central zone

146. H_2O is a liquid and H_2S is a gas because :

- (a) Oxygen forms stronger hydrogen bond than sulphur
 (b) Oxygen is less electronegative than sulphur
 (c) Atomic radius of oxygen is less than that of sulphur
 (d) Atomic radius of oxygen is greater than that of sulphur
147. In chemical terms, what are alums used for purifying water for drinking purposes ?
 (a) Hydrated chlorides (b) Double nitrate
 (c) Double sulphates (d) Nitrates of aluminium
148. What are the types of bonds present in $CuSO_4 \cdot 5H_2O$?
 (a) Electrovalent and covalent
 (b) Electrovalent and coordinate covalent
 (c) Electrovalent, covalent, coordinate covalent and hydrogen bonds
 (d) Covalent and coordinate covalent
149. Which one of the following is the correct sequence of the given elements in the increasing order of their reactivity ?
 (a) Iodine-Bromine-Chlorine-Fluorine
 (b) Bromine-Iodine-Chlorine-Fluorine
 (c) Bromine-Iodine-Fluorine-Chlorine
 (d) Iodine-Bromine-Fluorine-Chlorine
150. Match the List-I and the List-II and select the correct answer using the codes given below the lists :
- | List-I | | List-II |
|-------------------------|----|-----------|
| (Compounds of Nitrogen) | of | (Valency) |
| A. N_2O | 1. | 1 |
| B. NO | 2. | 2 |
| C. N_2O_5 | 3. | 3 |
| D. NO_2 | 4. | 4 |
| | 5. | 5 |
- Codes :
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 1 | 4 | 5 | 2 |
| (b) | 5 | 2 | 3 | 4 |
| (c) | 1 | 2 | 5 | 4 |
| (d) | 5 | 4 | 3 | 2 |

Ans: General Ability Test

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

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