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UPSC NDA Exam 2008-II General Ability
Solved Paper

General Ability

Part-A

■ SYNONYMS

Directions (For the 9 items which follow) : Each of the following nine items consists of a word in capital letters, followed by four words. Select the word that is most similar in meaning to the word in capital letters.

1. **PERPLEX**
 (a) Distract (b) Intrigue
 (c) Perspective (d) Baffle
2. **HOSPITABLE**
 (a) Convivial (b) Liberal
 (c) Congenial (d) Welcoming
3. **GAJETY**
 (a) Dexterity (b) Wonder
 (c) Colourfulness (d) Jollity
4. **SCARCELY**
 (a) Hardly (b) Always
 (c) Sometimes (d) Frequently
5. **COUNTERFEIT**
 (a) Imitated (b) Duplicate
 (c) Fake (d) Foreign
6. **DAZED**
 (a) Shocked (b) Dreamy
 (c) Happy (d) Tired
7. **DISDAIN**
 (a) Disown (b) Condemn
 (c) Hate (d) Criticise
8. **ENWITCHING**
 (a) Enchanting (b) Magical
 (c) Affected (d) Ensnaing
9. **RAPACITY**
 (a) Anger (b) Cruelty
 (c) Pride (d) Greed

■ ORDERING OF WORDS IN A SENTENCE

Directions (For the 8 items which follow) : In the following items, some parts of the sentence have been jumbled up. You are required to rearrange these parts which are labelled (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.

Z. It is well-known that

the effect is very bad on children of cinema

(P) (Q) (R) (S)

Which one of the following is the correct sequence ?

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

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 and so (a) is the correct answer.

10. It is a privilege
 to pay tax of every citizen as well as the duty
 (P) (Q) (R)
 who is well-placed
 (S)
 Which one of the following is the correct sequence ?
 (a) R-P-S-Q (b) S-P-R-Q
 (c) R-Q-S-P (d) S-Q-R-P
11. It is not good of the wicked persons
 (P)
 to overthrow to accept the the righteous persons
 (Q) (R) (S)
 Which one of the following is the correct sequence ?
 (a) R-S-Q-P (b) Q-S-R-P
 (c) R-P-Q-S (d) Q-P-R-S
12. Life is judged and not by of work done
 (P) (Q)
 the longevity of years by the quality
 (R) (S)
 Which one of the following is the correct sequence ?
 (a) Q-S-P-R (b) S-Q-R-P
 (c) Q-S-R-P (d) S-Q-P-R
13. When he learns that you have passed the examination
 (P) (Q)
 in the first division your father will be delighted
 (R) (S)
 Which one of the following is the correct sequence ?
 (a) Q-P-S-R (b) S-P-Q-R
 (c) Q-R-S-P (d) S-R-Q-P
14. The journalist saw countless number of the dead
 (P) (Q) (R)
 driving across the field of battle
 (S)
 Which one of the following is the correct sequence ?
 (a) P-Q-S-R (b) P-Q-R-S
 (c) P-S-Q-R (d) S-R-Q-P
15. Jane planned some stamps to buy this afternoon
 (P) (Q) (R) (S)
 Which one of the following is the correct sequence ?
 (a) P-R-Q-S (b) P-S-Q-R
 (c) Q-R-P-S (d) Q-S-P-R

29. According to the author, we are searching for alternative sources of energy. What is the most likely reason for this ?
- Alternative sources of energy are cheaper
 - It is feared that fossil energy will soon be exhausted
 - A number of alternative energy sources are easily available
 - Alternative sources of energy will not cause any environmental problems

PASSAGE II

Books are, by far, the most lasting product of human effort. Temples crumble into ruins, pictures and statues decay, but books survive. Time does not destroy the great thoughts which are as fresh today as when they first passed through their author's minds ages ago. The only effect of time has been to throw out of currency the bad products, for nothing in literature can long survive but what is really good and of lasting value. Books introduce us into the best society; they bring us into the presence of the greatest minds that have ever lived, we hear what they said and did; we see them as if they were really alive, we sympathise with them, enjoy with them and grieve with them.

30. According to the passage, books live for ever because
- they have productive value
 - time does not destroy great thoughts
 - they are in printed form
 - they have the power to influence people
31. According to the passage, temples, pictures and statues belong to the same category because
- all of them are beautiful
 - all of them are substantial
 - all of them are likely to decay
 - all of them are fashioned by men
32. "Lasting value" in the passage means
- Something which has survival the passage of time
 - Something which has been lost with the passage of time
 - Something which has relevance for the present
 - Something which had relevance for the past

PASSAGE III

The pre-historic man preferred this area as three of his primary needs - water, raw material for tool making and game in the thick jungles, were available here in plenty. Mr. Sharma found sites on top of hills where huge boulders have been cut flat. These flat rocks were found in a round formation. Probably they sat on these and there was a fire in the middle. It was also a site where the tools were made. It was like a national pastime. They made tools to throw at animals. There was little chance of killing them with one tool. Mr. Sharma says there are strong chances of finding fossils in the area.

33. Mr. Sharma is most probably working as
- a Civil Engineer
 - a Geographer
 - an Archaeologist
 - a Tourist officer
34. "There was little chance of killing them with one tool" implies that
- the animals were too clever
 - the men did not know how to hunt
 - the tools were not sophisticated enough
 - the hunters wanted to use more than one tool

35. Which of the following does not describe the activities of the man as mentioned in the passage ?
- Hunting animals
 - Lighting fires
 - Cutting stones
 - Cultivating land

PASSAGE IV

A whole generation of Indians gave up everything and spent their lives in fighting the British in Gandhi's way without hurting, without violence, without hatred. The hope that India would one day be free kept them going through very difficult times and gave them courage. When millions of people want the same thing very much, it is a great force which even the most powerful army cannot oppose.

36. The demand for freedom became a 'great force'. What is the most likely reason for it ?
- Great leaders gave the call for freedom
 - Millions of people wanted to get freedom
 - The British rule did not permit any freedom
 - Freedom is a noble ideal
37. Which is the 'most powerful army' referred to in the passage ?
- The powerful army of the Government of India
 - The powerful army of the British
 - Any powerful army fighting against the wishes of millions of people
 - The army formed by the freedom fighters

■ SPOTTING ERRORS

Directions (For the 5 items which follow) :

- 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.
- 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.
- 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 No error

-
-
-
-

Q. We worked very hard throughout the season

-
-
-

No error

-

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.

38. I informed the principal
 (a) that I was running temperature
 (b) and therefore could not attend the meeting
 (c) No error
 (d)

39. The lady was broken with grief
 (a) when she heard the sad news of the train disaster
 (b) in which her brother was killed No error
 (c) (d)

40. The farmer is irrigating his fields since morning
 (a) (b) (c) No error
 (d)

41. I could not answer to the question No error
 (a) (b) (c) (d)

42. Two years passed since my cousin died
 (a) (b) (c) No error
 (d)

■ ORDERING OF SENTENCES

Directions (For the 8 items which follow) : In the following items, each passage consists of six sentences. The first sentence (S_1) and the final sentence (S_6) 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 proper sequence of the four sentences and mark accordingly on the Answer Sheet.

Example : 'X' has been solved for you.

- X. S_1 : There was a boy named Jack.
 S_6 : 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) P-Q-R-S
 (c) Q-P-R-S (d) R-P-S-Q

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

43. S_1 : When you have to study for examination, you have many things to do.
 S_6 : The final aim, of course, is to pass the examination that is two months away.
 P : Suppose you have only two months to do it.
 Q : The time - table tells you what you have to do everyday and for how many hours.
 R : You have to read a number of books, learn tables and formulas.
 S : Then the best way is to make a time-table for yourself.

Which one of the following is the correct sequence ?

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

44. S_1 : The umpire has to do a lot of hard work before qualifying to supervise a match.

S_6 : So an umpire must keep abreast of time and apply the rules as occasion demands.

P : However, umpires are human and are sometimes prone to make mistakes.

Q : The rules of the game are being constantly changed .

R : The players should gracefully and sportingly accept these mistakes.

S : He is aware of the responsibilities that go with the job.

Which one of the following is the correct sequence ?

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

45. S_1 : Mohan came to the city to meet a friend.

S_6 : He should not have behaved so rudely.

P : Mohan asked her to join them for tea.

Q : Mohan's friend who had some grudge against Sheila quickly got up and left the restaurant without saying a word.

R : While they were having tea at a restaurant Sheila, a former fellow student of theirs, came in.

S : Though Sheila knew Mohan's friend was a bad fellow, she accepted the invitation.

Which one of the following is the correct sequence ?

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

46. S_1 : When the Romans invaded Britain about 2,000 years ago, their calendar was calculated on the phases of the moon.

S_6 : The astronomer's name was Sosigenes and his calendar had a year of 365 days.

P : This calendar had gradually become so out of line with the seasons that it was two or three months behind.

Q : The Emperor Julius Caesar was determined to correct it.

R : Caesar had been to Egypt and seen the advantages of a calendar which used only the sun.

S : So he sought help from a Greek astronomer who lived in the Egyptian city of Alexandria.

Which one of the following is the correct sequence ?

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

47. S_1 : Education is in great demand today in India.

S_6 : Things have changed considerably now.

P : These people were accustomed to applying their intelligence to the profession of their fathers.

Q : Since independence it has spread to backward classes.

R : They had no idea that they could train themselves to do something else.

S : Besides this training they had little book learning.

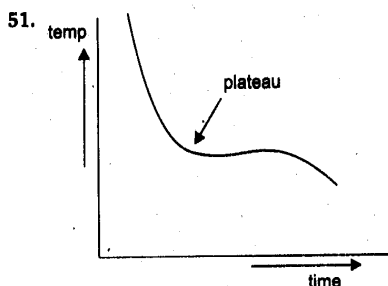
Which one of the following is the correct sequence ?

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

48. S_1 : There was once a king in India.
 S_6 : The three sons did not know what to do and where to go.
 P : The captain of the king's army wanted the kingdom for himself.
 Q : He died leaving three sons.
 R : The eldest of the three sons would have become the king.
 S : So he drove the three sons away and took everything in the kingdom in his possession.
 Which one of the following is the correct sequence ?
 (a) P-R-Q-S (b) P-S-Q-R
 (c) Q-S-P-R (d) Q-R-P-S
49. S_1 : An old man died and left his son a lot of money.
 S_6 : He become sad and lonely.
 P : Soon he had nothing left.
 Q : The son was a foolish young man
 R : All his friends left him .

- S : He quickly spent all his money
 Which one of the following is the correct sequence ?
 (a) S-Q-R-P
 (b) Q-S-P-R
 (c) S-Q-P-R
 (d) Q-S-R-P
50. S_1 : Siberian crane is a migratory bird.
 S_6 : They return to Siberia at the onset of summer in India.
 P : They remain here for four -five months.
 Q : Migrating birds are those which travel to other places for a period of time and then return.
 R : They can't sustain in the severe winter of Siberia.
 S : So during winters they travel thousands of miles to reach the bird sanctuary in Rajasthan in India.
 Which one of the following is the sequence ?
 (a) Q-R-S-P (b) Q-P-S-R
 (c) S-R-Q-P (d) S-P-Q-R

Part-B



- A solid is melted (above the melting point) and allowed to cool down at normal condition. Its variation of temperature as a function of time is as, shown in the figure given above. What is the reason for the plateau (flat position) in the central region of the cooling curve as shown in the figure?
- (a) Latent heat of fusion of the solid
 (b) Specific heat of the solid
 (c) Thermal conductivity of the solid
 (d) Thermal capacity of the solid
52. If a body travels half the distance with velocity v_1 and next half with velocity v_2 , then which one of the following will be the average velocity of the body ?
 (a) $\sqrt{v_1 v_2}$ (b) $\frac{v_1 + v_2}{2}$
 (c) $\frac{v_2}{v_1}$ (d) $\frac{2v_1 v_2}{v_1 + v_2}$
53. What is the correct sequence in which the lengths of the following units increase ?
 1. Angstrom 2. Micron
 3. Nanometer
 Select the correct answer using the codes given below
 (a) 1-2-3 (b) 3-1-2
 (c) 1-3-2 (d) 2-3-1
54. Which one of the following is the unit of activity of a radioactive source ?
 (a) Lux (b) Becquerel
 (c) Tesla (d) Siemens

55. Flow velocities in an incompressible flute can be measured with which one of the following ?
 (a) Barometer (b) Venturi tube
 (c) Strain gauge (d) Manometer
56. The simple harmonic motion of a particle is given by $y = 3 \sin wt + 4 \cos wt$. What one of the following is the amplitude of such motion ?
 (a) 1 (b) 5 (c) 7 (d) 12
57. A pendulum clock is set to give correct time at the sea level. The clock is moved to a hill station at an altitude 'h' above sea level. In order to keep correct time on the hill station which one of the following adjustments is required ?
 (a) The length of the pendulum has to be reduced
 (b) The length of the pendulum has to be increased
 (c) The mass of the pendulum has to be increased
 (d) The mass of the pendulum has to be reduced
58. In which of the following cases ohm's law is not valid ?
 (a) Wire bound resistor (b) Potentiometer
 (c) Junction diode (d) Electric bulb
59. Which one of the following is produced by rain water action ?
 (a) Gorge (b) Cliff
 (c) Gully (d) Dome
60. Which of the following statements is/are correct with regard to lines of latitude ?
 1. They are concentric circles numbered from 0° to 90° .
 2. They are circles on a globe which are parallel to the Equator and which are to the North and South of the Equator.
 Select the correct answer using the code given below
 (a) 1 only (b) 2 only
 (c) Both 1 and 2 (d) Neither 1 nor 2
61. Which of the following statements is are correct with regard to Milky Way ?
 1. It is a spiral galaxy.
 2. The solar system resides in one of its spiral arms.
 Select the correct answer using the codes given below
 (a) 1 only (b) 2 only
 (c) Both 1 and 2 (d) Neither 1 nor 2

62. Which one of the following pairs is not correctly matched ?

	Month	Position of Sun
(a)	June	Midday Sun overhead at Tropic of Cancer
(b)	December	Midday Sun overhead at Tropic of Capricorn
(c)	March	Midday Sun overhead on Equator
(d)	September	Midday Sun overhead on Arctic Circle

63. Foucault experiment is proof of which one of the following ?
 (a) Revolution of Earth
 (b) Rotation of Earth
 (c) Rotation of Moon
 (d) Revolution of Moon

64. Which one of the following is the time required for the Earth to return to a given point in its orbit with reference to fixed star, called ?

(a) Lunar year (b) Solar year
 (c) Tropical year (d) Sidereal year

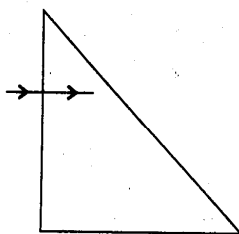
65. Which one of the following remains constant while throwing a ball upward ?

(a) Displacement (b) Kinetic energy
 (c) Acceleration (d) Velocity

66. A proton and an electron having equal velocity are allowed to pass through a uniform magnetic field. Which one of the following statements is correct in this connection ?

(a) The proton and the electron experience equal and opposite force
 (b) The proton experiences greater force than does the electron
 (c) The electron experiences more force than does the proton
 (d) No moving charged particle experiences a force in a magnetic field

67.



A ray of light is incident normally on one of the faces of right angled isosceles prism as shown above. It undergoes total internal reflection from hypotenuse. Which one of the following is the minimum refractive index of the material of the prism ?

(a) 1.0 (b) 1.33
 (c) 1.414 (d) 1.6

68. Due to accumulation of which one of the following, joggers experience pain in their leg muscles after running ?

(a) Lactic acid (b) Acetic acid
 (c) Malic acid (d) Citric acid

69. Stem Cell Therapy (SCT) is not useful for the treatment of which one of the following ailments ?

(a) Kidney failure (b) Cancer
 (c) Brain injury (d) Vision impairment

70. Who among the following was awarded to Ramon Magsaysay award in category of Journalism, Literature and Creative Communication in 2007 ?

(a) A. Kejriwal (b) P. Sainath
 (c) L. Ramdas (d) V. Shanta

71. According to the International Food Policy Research Institute Report 2007, India ranks which one of the following positions on the global hunger index ?

(a) 94 (b) 95
 (c) 96 (d) 97

72. Match List-I with List-II and select the correct answer using the code given below the lists

	List-I (Date)		List-II (Event)
A.	24th October	1.	Human Rights day
B.	10th December	2.	Common-wealth day
C.	24th May	3.	United Nations day
D.	21st September	4.	International day of Peace

Codes :

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

73. Who among the following Indian origin immigrants has become the Governor of Louisiana province of the USA in 2007 ?

(a) Swaraj Paul (b) Laxmi Mittal
 (c) Vikram Pandit (d) Bobby Jindal

74. Which of the following pairs are correctly matched ?

1.	Arundhati Roy	The God of Small Things
2.	Kiran Desai	The Inheritance of Loss
3.	Jhumpa Lahiri	The Namesake

Select the correct answer using the codes given below

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

75. Match List-I with List-II and select the correct answer using the code given below the list

	List-I (Jnanpith Laureate)		List-II (Language)
A.	Birendra Kumar Bhattacharya	1.	Bengali
B.	Rahman Rahi	2.	Marathi
C.	Vinda Karandikar	3.	Kashmiri
D.	Mahasweta Devi	4.	Assamese

Codes :

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

76. Who among the following is not a Dada Saheb Phalke awardee ?

(a) Shyam Benegal
 (b) Adoor Gopalakrishnan
 (c) Mrinal Sen
 (d) J.P. Dutta

77. Who among the following was the Director of the film Kaal Purush, which was adjudged as the best feature film in the 53 National Film Awards (2007) ?

- (a) Ritwik Ghatak (b) Buddhadev Dasgupta
(c) J.P. Dutta (d) Asit Sen

78. Which one of the following is the highest mountain peak ?

- (a) Nanga Parbat (b) Nanda Devi
(c) Kanchanjunga (d) K2

79. Who among the following sports personalities is known as the Payyoli Express ?

- (a) Shiny Abraham (b) P.T. Usha
(c) Jyotirmoyee Sikdar (d) K.M. Beenamol

Directions : Each of the next three (3) 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

80. **Assertion (A) :** Carbon dioxide is a compound.

Reason (R) : Carbon and oxygen combine together in the ratio 3 : 8 by mass.

81. **Assertion (A) :** Narmada and Tapi rivers do not form deltas.

Reason (R) : These rivers form estuaries.

82. **Assertion (A) :** Diamond is a good conductor of electricity.

Reason (R) : Diamond and graphite are two allotrope of carbon and graphite is a good conductor of electricity.

83. Match List-I with List-II and select the correct answer using the code given below the lists

	List-I		List-II
A.	Explanation of the photoelectric effect	1.	J.J. Thomson
B.	Discovery of a comet	2.	Robert Millikan
C.	Measurement of the electronic charge	3.	Einstein
D.	Thermoelectricity	4.	Edmund Halley
		5.	Seebeck

Codes :

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

84. A syringe is a hollow glass tube with lower end tapered to a nozzle. Due to which one of the following liquid can be drawn into a syringe ?

- (a) Partial vacuum produced inside the glass tube.
(b) Diffusion
(c) Surface tension effect
(d) Capillary action

85. Consider the following statements

If the net external torque acting on an object is switched off, then

1. linear momentum will remain unchanged.
2. angular momentum will remain unchanged.

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

86. Which one of the following is not a nitrogenous fertilizer ?

- (a) $\text{Ca}(\text{CN})_2$ (b) CaCN_2
(c) NH_4NO_3 (d) Urea

87. Flint glass is obtained from which of the following ?

- (a) Zinc and barium borosilicate
(b) Sand, red lead and potassium carbonate
(c) Sodium aluminium borosilicate
(d) Pure silica and zinc oxide

88. Which one of the following is the correct order in which the gases H_2 , Ne, O_2 and N_2 are evolved on fractional distillation of liquid air ?

- (a) H_2 , Ne, O_2 , N_2 (b) H_2 , Ne, N_2 , O_2
(c) N_2 , O_2 , Ne, H_2 (d) O_2 , N_2 , H_2 , Ne

89. Consider the following

The concentration of hydrogen ions in an aqueous solution is expressed by its

1. pH 2. pOH 3. pKa 4. pKw

Which of the above is/are correct ?

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

90. Which one of the following correctly defines the state of glass ?

- (a) Crystalline solid (b) Super cooled liquid
(c) Condensed gas (d) Liquid crystal

91. Match List-I with List-II select the correct answer using the code given below the lists

	List-I (Substance added)		List-II (Colour imparted to glass)
A.	Chromium (III) oxide	1.	Red
B.	Cobalt (II) oxide	2.	Violet
C.	Cuprous oxide	3.	Green
D.	Manganese dioxide	4.	Blue

Codes :

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

92. Which one of the following is the correct order of oxidation number of Iodine (I) in I_2 , HI, HIO_4 and ICl ?

- (a) $\text{HIO}_4 < \text{HI} < \text{ICl} < \text{I}_2$ (b) $\text{HI} < \text{I}_2 < \text{ICl} < \text{HIO}_4$
(c) $\text{I}_2 < \text{ICl} < \text{HIO}_4 < \text{HI}$ (d) $\text{ICl} < \text{HIO}_4 < \text{HI} < \text{I}_2$

93. In which one of the following countries is the infant mortality rate (per 1000 live births) highest ?

- (a) Sri Lanka (b) China
(c) India (d) Vietnam

94. In which one of the following five year plans the actual growth performance in India in respect of GDP (at factor cost) was less than the target set ?

- (a) Sixth five year plan (b) Seventh five year plan
(c) Eighth five year plan (d) Ninth five year plan

95. Which among the following is not correct with regard to Sampoorna Grameen Rozgar Yojana?
1. The case component of the programme is borne exclusively by the Central Government.
 2. Foodgrains are provided free of cost to the States/Union Territories.
- Select the answer using the codes given below
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
96. Which of the following bodies is responsible for the distribution of revenues between the Centre and the States?
- (a) Planning Commission
 - (b) Finance Commission
 - (c) Inter-State Council
 - (d) National Development Council
97. Which among the following is not a feature of Part IX of the Constitution of India?
- (a) Five year tenure for panchayats
 - (b) Reservation of seats for Schedule Castes and Schedule Tribes for panchayat membership
 - (c) Indirect election for all panchayat seats (village/intermediate level)
 - (d) Reservation for not less than one-third of the seats for women
98. Which of the following statements is/are correct with regard to the Vice-President of India?
1. He must be a Member of Parliament.
 2. He is elected by proportional representation.
 3. He is Ex-officio Chairman of the Rajya Sabha.
- Select the correct answer using the codes given below
- (a) 1 only (b) 1 and 3
(c) 2 and 3 (d) 1 and 2
99. Which among the following is/are the feature (s) of a Federal State?
1. The powers of the Central and the State (Constituent Unit) Governments are clearly laid down.
 2. It has an unwritten constitution.
- Select the correct answer using the codes given below
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
100. Which of the following are the principles of the Panchsheel?
1. Peaceful co-existence.
 2. Mutual protection of the environment.
 3. Mutual protection of indigenous population.
 4. Mutual non-aggression.
- Select the correct answer using the codes given below
- (a) 2 and 3 (b) 1 and 2
(c) 1, 2 and 4 (d) 1 and 4
101. Which one of the following Articles of the Constitution of India makes a specific mention of village panchayats?
- (a) Article 19
 - (b) Article 21
 - (c) Article 40
 - (d) Article 246
102. Who among the following first imparted a mass character to the Indian National Congress?
- (a) Jawaharlal Nehru
 - (b) Mahatma Gandhi
 - (c) Subhash Chandra Bose
 - (d) Lala Lajpat Rai
103. Consider the following statements
1. No person is eligible for appointment as Governor unless he has completed the age of thirty years.
 2. The same person can be appointed as Governor for three States.
- 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
104. Consider the following statements
1. A bill pending in the Legislature of 3 State shall not lapse by reason of the prorogation of the House or Houses thereof.
 2. A bill pending in the Legislative Council of a State which has not been passed by the Legislative Assembly shall not lapse on dissolution of the Assembly.
- 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
105. Which one of the following sets of substances can exist as molecular crystalline solids?
- (a) Nickel, Zinc, Manganese
 - (b) Glass, Cement, Rubber
 - (c) Polyethene, Polyvinyl Chloride Graphite
 - (d) Iodine, Sulphur, H₂O
106. Which one of the following is an element which never exhibits positive oxidation state in any of its compounds?
- (a) Oxygen
 - (b) Chlorine
 - (c) Fluorine
 - (d) Carbon
107. Which of the following statements with regard to Isotopes and Isobars is/are correct?
1. Isotopes have same mass number.
 2. Isobars have same atomic number.
- Select the correct answer using the codes given below
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
108. Which of the following statements regarding carbon dioxide is/are correct?
1. It is prepared on large scale by the action of water on lime.
 2. In the solid form it can be used as a refrigerant.
- Select the correct answer using the codes given below
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
109. What is the number of water molecules present in a tiny drop of water (volume 0.018 ml) at room temperature?
- (a) 4.84×10^{17}
 - (b) 4.184×10^{18}
 - (c) 6.023×10^{19}
 - (d) 6.023×10^{23}
110. In which one of the following situations a chemical reaction does not occur?
- (a) Common salt is exposed to air
 - (b) Coal is burnt in air
 - (c) Sodium is placed in water
 - (d) Iron is kept in moist air
111. Which one of the following materials is suitable for water purification?
- (a) Silicones
 - (b) Zeolites
 - (c) Asbestos
 - (d) Quartz

112. Consider the following
Crude oil is a direct source of
1. asphalt 2. paraffin wax
3. fatty acids 4. gas oil
Which of the above are correct ?
(a) 1 and 2 (b) 2 and 3
(c) 1 and 4 (d) 1, 2 and 4
113. The deficiency of which one of the following leads to dental caries ?
(a) Iron (b) Copper
(c) Fluorine (d) Zinc
114. In which one of the following, antibody formations takes place ?
(a) RBCs (b) Blood Platelets
(c) Blood Plasma (d) Donnan's membrane
115. All enzymes are
(a) Alkaloids (b) Proteins
(c) Carbohydrates (d) Lipids
116. Which one of the following diseases is not caused by virus ?
(a) Chicken pox (b) Measles
(c) Poliomyelitis (d) Tetanus
117. Which one of the following types of forest covers the maximum area in India ?
(a) Tropical rain forest
(b) Tropical moist deciduous forest
(c) Tropical dry deciduous forest
(d) Tropical dry evergreen forest
118. A typical human ribcage consists of how many ribs ?
(a) 12 (b) 14
(c) 16 (d) 24
119. Beir-beri is caused due to lack of which one of the following types of nutrients ?
(a) Fats (b) Water
(c) Vitamins (d) Minerals
120. Consider the following
Heat produced in a conductor carrying current is independent of
1. current passing through it.
2. thermal conductivity.
3. specific resistance.
Which of the statements given above is are correct ?
(a) 1 and 3 (b) 2 only
(c) 1 and 2 (d) 2 and 3
121. Which one of the following is the range of frequency used in optical communication ?
(a) $10^3 - 10^4$ Hz (b) $10^8 - 10^9$ Hz
(c) $10^{13} - 10^{14}$ Hz (d) $10^{16} - 10^{17}$ Hz
122. In a sitar wire which one of the following types of vibration is produced ?
(a) Progressive longitudinal
(b) Stationary longitudinal
(c) Progressive transverse
(d) Stationary transverse
123. Consider the following statements
The Principle of total internal reflection is applicable to explain the
1. formation of mirage in desert.
2. formation of image in microscope.
3. colour of evening sky.
4. operation of optical fibers.
Which of the statements given above are correct ?
(a) 1 and 4 (b) 3 and 4
(c) 2 and 3 (d) 1 and 2
124. Which of the following statements is/are true regarding a light wave traveling from air to glass ?
1. Its frequency remains unchanged.
2. Its speed changes.
Select the correct answer using the codes given below
(a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
125. When an optician prescribes a - 5D lens, what does it mean ?
(a) Concave lens of 20 cm focal length
(b) Convex lens of 20 cm focal length
(c) Concave lens of 5 cm focal length
(d) Convex lens of 5 cm focal length
126. If a substance is behaving as convex lens in air and concave lens in water then which one of the following is its refractive index ?
(a) Smaller than air
(b) Greater than both air and water
(c) Greater than air but lesser than water
(d) Almost equal to water
127. The sun is visible a little before the actual sunrise because of which one of the following ?
(a) Atmospheric reflection
(b) Atmospheric dispersion
(c) Atmospheric diffraction
(d) Atmospheric refraction
128. DC current can be controlled by which one of the following components ?
(a) Impedance (b) Resistance
(c) Capacitance (d) Inductance
129. In which one of the following periods did India experience a negative population growth ?
(a) 1901-1911 (b) 1911-1921
(c) 1921-1931 (d) 1931-1941
130. Which of the following statements characterize convectional rainfall?
1. It occurs daily in the afternoon in the Equatorial regions.
2. It is of very short duration.
3. It occurs though Cumulonimbus clouds.
Select the correct answer using the codes given below
(a) 1, 2 and 3 (b) 1 and 3
(c) 2 and 3 (d) 1 only
131. Which one of the following river flow between Vindhyan and Satpura ranges ?
(a) Narmada (b) Son
(c) Mahe (d) Netravati
132. Amravati, Bhavani, Hemavati and Kabini are tributaries of which one of the following rivers ?
(a) Mahanadi (b) Godavari
(c) Kaveri (d) Krishna
133. Which of the following statements characterize the anticyclones ?
1. Anticyclones are low pressure systems.
2. They are characterized by divergent wind circulation.
3. They are indicative of dry weather conditions.

Select the correct answer using the codes given below

- (a) 2 and 3 (b) 1 and 3
(c) 1, 2 and 3 (d) 1 only
134. Sunda Trench lies in
(a) Atlantic Ocean
(b) Pacific Ocean
(c) Indian Ocean
(d) Antarctic Ocean
135. Which one of the following is correct ?
Benguela current flows
(a) along Brazilian coast
(b) off Southwest African coast
(c) off Spanish and North African coast
(d) along West coast of United States
136. If there are four places on the same meridian 500 km apart and the local time at one place is 12.00 noon, what will be the time at the three other places ?
(a) 12.00 noon
(b) 1.00 pm
(c) 2.00 pm
(d) Different time at different places
137. Which of the following features is the product of vulcanicity ?
(a) Fold Mountain
(b) Escarpment
(c) Geosynclines
(d) Caldera
138. Starting from the best quality of iron ore, which one of the following is the correct sequence of the iron ore based on the contents of pure iron ?
(a) Magnetite — Hematite — Limonite — Siderite
(b) Hematite — Magnetite — Limonite — Siderite
(c) Magnetite — Hematite — Siderite — Limonite
(d) Hematite — Magnetite — Siderite — Limonite
139. How much of a time period 15° of longitudes account for?
(a) 4 minutes (b) 15 minutes
(c) 30 minutes (d) 60 minutes
140. Who among the following was first to measure the circumferences of the Earth ?
(a) Eratosthenes (b) Aristotle
(c) Hecataeus (d) Herodotus
141. Detroit is famous for which one of the following industries ?
(a) Textile
(b) Food Processing
(c) Automobiles
(d) Locomotives
142. Kiel Canal connect
(a) Baltic Sea and North Sea
(b) Red Sea and Mediterranean Sea
(c) Caribbean Sea and Pacific Sea
(d) Atlantic Ocean and Pacific Ocean
143. Who among the following had constructed the Red Fort in Delhi ?
(a) Akbar (b) Jahangir
(c) Shah Jahan (d) Aurangzeb

144. Who among the following was the author of 'Common Sense' the revolutionary pamphlet of the American Revolution ?

(a) Thomas Paine
(b) Thomas Jefferson
(c) George Washington
(d) Samuel Adams

145. Which of the following were the watch words of the French Revolution ?

(a) Right, Liberty and Equality
(b) Liberty, Equality and Justice
(c) Liberty, Equality and Fraternity
(d) Rights, Equality and Justice

146. Match List-I with List-II and select the correct answer using the codes given below the lists

	List-I		List-II
A.	Ryotwari Settlement	1.	Singapore
B.	Formation of Azad Hind Fauj	2.	Allahabad
C.	All-party conference resolution to boycott school, college and law courts in 1920	3.	North-western frontier province
D.	Referendum held for provinces to join Pakistan	4.	Madras and Bombay presidency

Codes :

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

147. Who among the following was not associated with the Lahore conspiracy case ?

(a) Bhagat Singh
(b) Surya Sen
(c) Rajguru
(d) Sukhdev

148. Who among the following had repealed the Vernacular Press Act ?

(a) Lord Lytton
(b) Lord Ripon
(c) Lord Dufferin
(d) Lord Lansdowne

149. What is the correct sequence of the following ?

1. Wavell Plan
2. Radcliff Award
3. Cripps Mission
4. Cabinet Mission

Select the correct answer using the codes given below

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

150. Who among the following first used the word 'Swarajya' ?

(a) Raja Rammohan Roy
(b) Bal Gangadhar Tilak
(c) Mahatma Gandhi
(d) Swami Vivekanand

Answers : General Ability

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

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