

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

T. B. C. : EE – I/12-13

Test Booklet Series

Serial No.

A

TEST BOOKLET
GENERAL ABILITY TEST
PAPER – I

Time Allowed : 2½ Hours

Maximum Marks : 300

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES **A, B, C** OR **D**, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided along side. **DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains **150** items (questions), **50** in **Part – A**, **50** in **Part – B** and **50** in **Part – C**. Each item (question) comprises four responses (answers). You will select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
5. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided, by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
6. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. There will be negative markings for wrong answers. 25 percent of marks allotted to a particular item (question) will be deducted as negative marking for every wrong response (answer).
7. Before you proceed to mark (darken) in the Answer Sheet the responses to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
8. After you have completed filling in all your responses on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the *Answer Sheet* and the *Test Booklet* issued to you. You are allowed to take with you the candidate's copy/second page of the Answer Sheet, after completion of the examination, for your reference.

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SEAL

PART - A

1. Which of the following trees yields hard wood ?
 - (A) Deodar
 - (B) Chir
 - (C) Shishum
 - (D) Pine
2. Distemper is used to coat :
 - (A) External concrete surface
 - (B) Interior surfaces not exposed to weather
 - (C) Wood work
 - (D) Compound walls
3. In a concrete mix of 1 : 2 : 4, one part is :
 - (A) Water
 - (B) Cement
 - (C) Sand
 - (D) Coarse aggregate
4. Granite is not suitable for ordinary building purpose because :
 - (A) It can not be polished
 - (B) It is not a fire proof material
 - (C) It is costly
 - (D) It has less crushing strength
5. Seasoning of timber is required to :
 - (A) Soften the timber
 - (B) Harden the timber
 - (C) Straighten the timber
 - (D) Remove sap from the timber
6. The distance between Cuttack and Bhubaneswar is approximately 25 km. In a map drawn in 1 : 100 000, this distance will be :
 - (A) 25 cm
 - (B) 2.5 cm
 - (C) 250 cm
 - (D) 0.25 cm
7. A circular plate with 30 cm diameter is resting on HP with an angle 60° with HP and perpendicular to VP. The top view of the plate is :
 - (A) An ellipse with major axis 30 cm and minor axis 15 cm
 - (B) An ellipse with major axis 60 cm and minor axis 30 cm
 - (C) A circle of diameter 15 cm
 - (D) A circle of diameter 60 cm
8. In third angle projection :
 - (A) Top view comes above xy and front view comes below xy
 - (B) Top view comes below xy and front view comes above xy
 - (C) Both top and front view come below xy
 - (D) Both top and front view come above xy

9. Drafting machine is a combination of :
- T-square and set-square
 - T-square, set-square and scale
 - T-square, set-square, scale and protractor
 - T-square and scale
10. Invisible features of an object are shown by :
- Chain line
 - Continuous thin line
 - Continuous thick line
 - Dotted line
11. Rate of change of bending moment in a beam is equal to :
- Shear force
 - Deflection
 - Slope
 - Loading intensity on the beam
12. If a shaft of diameter d is subjected to a torque T , the maximum shear stress on the shaft is :
- $\frac{32T}{\pi d^3}$
 - $\frac{16T}{\pi d^2}$
 - $\frac{16T}{\pi d^3}$
 - $\frac{64T}{\pi d^4}$
13. If a material has identical properties in all directions, it is said to be :
- Homogeneous
 - Isotropic
 - Elastic
 - Orthotropic
14. The ratio of linear stress to linear strain is called :
- Modulus of rigidity
 - Modulus of elasticity
 - Bulk modulus
 - Poisson's ratio
15. In a thin cylindrical cell, the ratio of longitudinal stress to hoop stress is :
- 1.0
 - 2.0
 - 4.0
 - 0.5
16. In a two-dimensional frame member three coplanar forces are acting in the plane of frame, these three forces for equilibrium of the frame must be :
- Equal
 - Collinear
 - Concurrent
 - Non-concurrent
17. In planar structures from equilibrium equations of statics, how many number of support reactions could be determined ?
- 2

- (B) 3
(C) 4
(D) 5
18. A rigid body in space can have maximum how many degrees of freedom ?
(A) 2
(B) 3
(C) ∞
(D) 6
19. The kinetic energy of a flywheel is given by :
(A) $\frac{1}{2} I_p \omega^2$
(B) $T\omega$
(C) $\frac{1}{2} T\omega^2$
(D) $m\omega R$
- where I_p is the polar moment of inertia, m is the mass, T is the torque applied, R is the radius of flywheel and ω is the angular velocity.
20. In a dynamical system when external force frequency matches with the natural frequency of the system then the condition is called :
(A) Anti-resonance
(B) Resonance
(C) Critical damped
(D) Overdamped
21. Governor is a device used for :
(A) Regulating fuel/speed over a cycle of a system
(B) Regulating fuel/speed for a constant load
(C) Regulating fuel/speed for a variable load
(D) Does not regulate fuel/speed at all
22. Conveyors are used for :
(A) To connect to two rotating shaft for power transfer
(B) To break material to smaller pieces
(C) Drying operations
(D) To carry material from one location to another
23. Cyclone burners are :
(A) Pulverised fuel burners
(B) Oil burners
(C) Gas burners
(D) Cryogenic burners
24. A combination of apparatus for producing, furnishing or recovering heat together with the apparatus for transferring the heat so made available to the fluid being heated and vapourised is called :
(A) Turbine
(B) Condenser
(C) IC engine
(D) Boiler

25. Compression ignition engine works on principles of :
- (A) Spark-ignition
 (B) External-ignition
 (C) Auto-ignition
 (D) Non-ignition
26. Among the following which is not a method for improvement of thermal efficiency of open cycle gas turbine plant :
- (A) Supercharging
 (B) Intercooling
 (C) Regeneration
 (D) Reheating
27. The generation of an electromotive force as a result of the absorption of ionizing radiation is called :
- (A) Thermionic effect
 (B) Photovoltaic effect
 (C) Thermoelectric effect
 (D) Electrostatic effect
28. The maximum value of the alternating voltage and current are 400V and 20A respectively in a circuit connected to 50 Hz supply and the quantities are sinusoidal. At $t = 0$, the instantaneous value of voltage and current are 364.4V and 10A respectively and both are increasing positively. What is the power consumed in the circuit ?
- (A) 2486W
 (B) 3454W
 (C) 3658W
 (D) 4824W
29. In a pure LC parallel circuit under resonance condition, the current drawn from the supply mains is :
- (A) Very large
 (B) $V\sqrt{LC}$
 (C) $\frac{V}{\sqrt{LC}}$
 (D) Zero
30. The switch 'S' in Figure 1 is put in position 1 for a long time. At $t = 0$, it is switched to position 2. What will be the value of $\frac{di}{dt}(0^+)$?

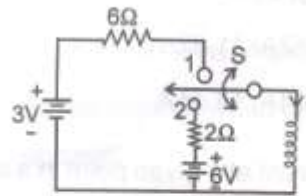


Figure : 1

- (A) 0.5A
 (B) 1.0A
 (C) 2.0A
 (D) 2.5A

31. A Horizontal Axis Wind Turbine (HAWT) is installed at a location having free wind velocity of 15 m/sec. The rotor having 30 meter diameter has three blades attached to the hub. What will be the rotational speed of the turbine for optimal energy extraction ?
- (A) 20 rpm
(B) 30 rpm
(C) 40 rpm
(D) 50 rpm
32. A sinusoidal emf of maximum value 200V is applied to a non-inductive resistance of $10\ \Omega$ through a full wave diode rectifier. If a moving coil permanent magnet ammeter and a moving iron ammeter are used to measure the current, what will be the respective readings of the ammeters ?
- (A) 2.64A, 4.22A
(B) 6.24A, 8.54A
(C) 10.72A, 11.32A
(D) 12.74A, 14.15A
33. The current at a given point in a certain circuit may be given as a function of time as $i(t) = -3 + t$. The total charge passing through the point between $t = 99$ sec to $t = 102$ sec is :
- (A) 112C
(B) 242.5C
(C) 292.5C
(D) 345.6C
34. To reduce the distortion in a CE amplifier, reduce the :
- (A) DC emitter current
(B) Base emitter voltage
(C) Collector current
(D) AC base voltage
35. For a clamper circuit to operate properly, its $R_L C$ time constant should be :
- (A) Equal to the period T of the signal
(B) Greater than 10 times the period T of the signal
(C) Greater than 100 times the period T of the signal
(D) Smaller than 10 times the period T of the signal
36. If an emitter follower has $r'_e = 10\ \Omega$ and $r_e = 90\ \Omega$, the voltage gain is approximately :
- (A) 0.0
(B) 0.5
(C) 0.9
(D) 1.0

37. The maximum efficiency of a Class B push-pull amplifier is :
- (A) 25 percent
 - (B) 50 percent
 - (C) 78.5 percent
 - (D) 100 percent
38. A series voltage regulator is more efficient than a shunt voltage regulator because :
- (A) It has a series resistor
 - (B) It can boost the voltage
 - (C) The pass transistor replaces the series resistor
 - (D) It switches the power transistor on and off
39. The input to a positive limiter is a triangular wave with a peak-to-peak value of 8V and an average value of zero. If the reference level is 2V, the output has a peak-to-peak value of :
- (A) 0V
 - (B) 2V
 - (C) 6V
 - (D) 8V
40. Fayol recognised that there was no limit to the principles of management, but he advocated 14 principles. They included :
- (A) Discipline, order, authority and responsibility
 - (B) Division of work, remuneration of personnel and centralisation
 - (C) Unity of command, unity of direction and equity
 - (D) All of the above
41. Theory X and Theory Y represent two suppositions about human nature and behaviour at work from which styles of management are adopted. These theories were put forward by :
- (A) Ouchi
 - (B) Maslow
 - (C) McGregor
 - (D) Mayo
42. Functional managers are responsible :
- (A) For a single area of activity
 - (B) To the upper level of management and staff
 - (C) For complex organizational sub-units
 - (D) For obtaining copyrights and patents for newly developed processes and equipment

43. Individuals such as Albert Einstein, Edwin Land and Steve Jobs lead through which type of power ?
- (A) Legitimate
 - (B) Reward
 - (C) Expert
 - (D) Charismatic
44. According to Herzberg, which of the following is a maintenance factor ?
- (A) Salary
 - (B) Work itself
 - (C) Responsibility
 - (D) Recognition
45. Organization structure primarily refers to :
- (A) How activities are coordinated and controlled
 - (B) How resources are allocated
 - (C) The location of departments and office space
 - (D) The policy statements developed by the firm
46. Access time of RAM is in the order of :
- (A) Seconds
 - (B) Milli seconds
 - (C) Nano seconds
 - (D) Micro seconds
47. Which memory is considered to be fastest ?
- (A) Main Memory
 - (B) Cache Memory
 - (C) Auxiliary Memory
 - (D) Secondary Memory
48. Operating System is a software interface between :
- (A) User and Hardware
 - (B) Software and Hardware
 - (C) Compiler and Interpreter
 - (D) CPU and Memory
49. URL stands for :
- (A) Unique Resource Locator
 - (B) Universal Resource Locator
 - (C) Uniform Resource Locator
 - (D) United Resource Locator
50. Web pages are created in a language called :
- (A) SLIP
 - (B) HTML
 - (C) HTTP
 - (D) WWW

PART – B

Direction (Q. Nos. 51 & 52) : Pick the word that is nearest in meaning to the word underlined in the given sentence.

51. He was averse to postponing his trip.

- (A) accustomed
- (B) inclined
- (C) opposed
- (D) encouraged

52. The officer has an inimitable record.

- (A) unique
- (B) objectionable
- (C) long
- (D) corrupt

Direction (Q. Nos. 53 & 54) : Pick the word that is nearly the opposite in meaning to the word underlined in the given sentence.

53. He is pliable in his conduct.

- (A) flexible
- (B) rigid
- (C) balanced
- (D) mild

54. Adversity was his constant companion.

- (A) prosperity
- (B) hard work
- (C) joy
- (D) devotion

Direction (Q. Nos. 55 to 58) : Pick the appropriate words to fill in the blanks.

55. He believes _____ proper planning.

- (A) in
- (B) at
- (C) with
- (D) after

56. The manager was divested _____ all power.

- (A) with
- (B) of
- (C) at
- (D) on

57. Anything _____ excess is bad.

- (A) of
- (B) with
- (C) in
- (D) after

58. His grief is _____.

- (A) subtle
- (B) intense
- (C) golden
- (D) grumpy

Direction (Q. Nos. 59 & 60) : Pick the appropriate phrases to fill in the blanks.

59. We must _____ his request.

- (A) accede with
- (B) accede at

(C) accede in

(D) accede to

60. The chief guest _____ the prizes.

(A) gave up

(B) gave away

(C) gave in

(D) gave off

Direction (Q. Nos. 61 & 62) : Pick the word that correctly expresses the meaning.

61. A place where pigs are kept :

(A) Burrow

(B) Den

(C) Sty

(D) Lair

62. The scientific study of birds :

(A) Alethiology

(B) Algology

(C) Ornithology

(D) Demography

Direction (Q. Nos. 63 & 64) : Pick the word which is correct in spelling.

63. (A) Assimilate

(B) Asimmilate

(C) Assimmilate

(D) Assimelate

64. (A) Guarantee

(B) Guaranti

(C) Garantee

(D) Gurantee

Direction (Q. Nos. 65 to 68) : Pick the correct meaning of the expression.

65. A fish out of water :

(A) An object ready for eating

(B) A fish in an aquarium

(C) To be in a situation one is unsuited to

(D) A clever person in trouble

66. To swim against the tide :

(A) To act irresponsibly

(B) To imagine a difficult situation

(C) To swim in shallow water

(D) To try to do something that is very difficult

67. A red herring :

(A) A clue that is intentionally or unintentionally misleading

(B) A communist rebel

(C) A medieval martyr

(D) A miserly guardian

68. Below par :

(A) Below the surface

(B) Not as good as average or normal

(C) Not as good as the best

(D) Below the sky

Direction (Q. Nos. 69 & 70) : Pick the meaning of the given foreign expressions.

69. Ad hoc :

(A) Arranged in a particular order

(B) Done for particular purpose only

(C) Formed with a particular plan

(D) Carried out to perfection

70. Vox populi :
(A) People's box
(B) Opinions of the majority
(C) Grievances of the people
(D) People's march

Direction (Q. Nos. 71 to 74) : Pick the correct prepositions to fill in the blanks.

71. The book is _____ the table.
(A) against
(B) under
(C) on
(D) inside

72. The screenwriter searched _____ the manuscript.
(A) after
(B) in
(C) for
(D) at

73. He made his escape by jumping _____ a window.
(A) over
(B) up to
(C) out of
(D) between

74. Look, that house is _____ fire.
(A) through
(B) in
(C) on
(D) around

Direction (Q. Nos. 75 & 76) : Pick the feminine form of the word underlined.

75. The adult gander is remarkable.
(A) mare
(B) ewe
(C) goose
(D) deer

76. The fox jumped over the fence.
(A) filly
(B) vixen
(C) doe
(D) sow

Direction (Q. Nos. 77 & 78) : Pick the words denoting the young of the following.

77. Seal :
(A) Squab
(B) Pup
(C) Chick
(D) Pullet

78. Fish :
(A) Keet
(B) Elver
(C) Fry
(D) Cheeper

Direction (Q. Nos. 79 & 80) : Pick the word having association with the following.

79. Opera :
(A) Choral
(B) Soprano
(C) Minstrel
(D) Jazz

80. Circus :
- (A) Priest
 - (B) Elevator
 - (C) Clown
 - (D) Dance

Direction (Q. Nos. 81 & 82) : Pick the diminutive form of the following.

81. Stream :
- (A) Streamlet
 - (B) Rivulet
 - (C) Rill
 - (D) Brook
82. Rabbit :
- (A) Bunny
 - (B) Cub
 - (C) Kid
 - (D) Lamb

Direction (Q. Nos. 83 & 84) : Identify the part having an error.

83. (A) Priyanka
 (B) has cleaned
 (C) her room
 (D) two days ago.
84. (A) Have you
 (B) ironing
 (C) the clothes
 (D) yet ?

Direction (Q. Nos. 85 & 86) : Identify the underlined part in the given sentences.

85. Laughter erupted from Mohit, who

hiccupped for seven hours afterward.

- (A) Noun clause
- (B) Adjective clause
- (C) Adverb clause
- (D) Parenthetical clause

86. Wherever there are computers, there is Microsoft software.

- (A) Adverb clause
- (B) Parenthetical clause
- (C) Adjective clause
- (D) Noun clause

Direction (Q. Nos. 87 & 88) : Pick the correct sequence of the sentences.

87. — (P) of the committee
 (Q) in the middle of the conference table
 (R) the most important person in the room
 (S) sits the Chairman
- (A) RSPQ
 - (B) QSPR
 - (C) RPQS
 - (D) PQRS
88. (P) fought the monster, killed it
 (Q) the leading god
 (R) into two halves
 (S) and chopped its body
- (A) PQSR
 - (B) RQSP
 - (C) QPSR
 - (D) RSPQ

Direction (Q. Nos. 89 to 100) : Pick the sentence having no errors.

89. (A) What time it is ?
(B) What is it time ?
(C) What time is it ?
(D) What it is time ?
90. (A) The television are on.
(B) The television is on.
(C) Television is on.
(D) Television are on.
91. (A) Mukesh took the garbage.
(B) Mukesh took out the garbege.
(C) Mukesh took out the garbage.
(D) Mukesh took the garbege.
92. (A) Whoever works hard he will win.
(B) Whoever works hard will win.
(C) Whoever works hard she will win.
(D) Whoever work hard will win.
93. (A) One should not waste one's time.
(B) One should not waste his time.
(C) One should not waste any time.
(D) One should not waste her time.
94. (A) Have you a pen.
(B) Have you a pen ?
(C) Do you have a pen ?
(D) Do have you a pen.
95. (A) Studying very hard on weekends.
(B) Studying on weekends is very hard.
(C) Studying weekends is very hard.
(D) Studying on a weekends is very hard.
96. (A) Let me to go. You're hurting me.
(B) Let I go. You're hurting me.
(C) Let me be go. You're hurting me.
(D) Let me go. You're hurting me.
97. (A) My father would never allow to study Chinese.
(B) My father would never allow me to study Chinese.
(C) My father would never allow me to studying Chinese.
(D) My father would never allowed me to study Chinese.
98. (A) The House of People has a maximum strength of 552 members.
(B) The House of the People has a maximum strength of 552 members.
(C) House of People has a maximum strength of 552 members.
(D) House of the People has a maximum strength of 552 members.
99. (A) I go to the store and I bought milk.
(B) I go to the store and I have bought milk.
(C) I go to the store and I buy milk.
(D) I go to store and I buy milk.
100. (A) He eaten his lunch just a while ago.
(B) He has eaten his lunch just a while ago.
(C) He ate his lunch just a while ago.
(D) He is eating his lunch just a while ago.

PART – C

101. Who among the following recommended attaining eight-fold path of salvation ?

- (A) Gautam Buddha
- (B) Mahavira
- (C) Valmiki
- (D) Guru Nanak

102. Which of the reasons given below led to the decline of the Indus Valley Civilization ?

- (i) Aryan invasion
- (ii) Change in the course of Indus River
- (iii) Frequent occurrence of epidemics
- (iv) Repeated occurrence of floods

Select the correct answer from the code given below :

- (A) (ii) and (iii)
- (B) (ii) and (iv)
- (C) (i), (ii) and (iv)
- (D) (i), (iii) and (iv)

103. Vasco da gama landed on Indian Coast at :

- (A) Calicut
- (B) Barauch
- (C) Surat
- (D) Kochi

104. Qutub Minar which exists at Delhi was built by :

- (A) Aibek

(B) Babur

(C) Balban

(D) Humayun

105. Babur, the founder of Mughal Empire in India, defeated Ibrahim Lodi, the last Sultan of Delhi in :

- (A) First Battle of Panipat
- (B) First Battle of Tarain
- (C) Battle of Bilgram
- (D) Battle of Chandawar

106. Whose efforts led to the enactment of law banning the 'Sati' practice in India ?

- (A) Balgangadhar Tilak
- (B) Dadabhai Nauroji
- (C) Raja Rammohan Roy
- (D) Bhim Rao Ambedkar

107. Who among the following was the author of the famous book 'Discovery of India' ?

- (A) K. C. Gandhi
- (B) S. C. Bose
- (C) J. L. Nehru
- (D) S. Patel

108. Which branch of knowledge describes the constructed physical remains of the past ?

- (A) Philology

- (B) Anthropology
(C) Archaeology
(D) None of the above
109. Railway for the first time was introduced in India during the governorship of :
(A) Lord Hastings
(B) Lord Cornwallis
(C) Lord Dalhousie
(D) Lord Canning
110. In which year on 26th January India became the Republic ?
(A) 1947
(B) 1948
(C) 1949
(D) 1950
111. 'Quit India Movement' during the British rule was launched in the year :
(A) 1939
(B) 1940
(C) 1941
(D) 1942
112. Which of the following state shares the borders of China and Nepal ?
(A) Arunachal Pradesh
(B) Uttarakhand
(C) West Bengal
(D) Himachal Pradesh
113. One of the following fuel is not produced in petroleum refining industry :
(A) Compressed Natural Gas (CNG)
(B) Liquefied Petroleum Gas (LPG)
(C) Kerosene
(D) Gasoline
114. Which Indian state holds a prominent position in literacy ?
(A) Goa
(B) Kerala
(C) Maharashtra
(D) Punjab
115. Mangrove forests of the Ganga delta in West Bengal are known with a familiar name :
(A) Duars
(B) Monsoon forests
(C) Sunderbans
(D) Scrubs
116. Indian Standard Time (IST) is ahead of Greenwich Mean Time (GMT) by :
(A) 04:00 hours
(B) 04:30 hours
(C) 05:00 hours
(D) 05:30 hours
117. Which one group of grains consists of pure cereal crops ?
(A) Wheat, rice, gram
(B) Rice, barley, lentil

- (C) Jowar, bajra, sesame
(D) Barley, wheat, maize
118. A dome-shaped snow house 'igloo' is the home of :
(A) Beduins
(B) Kirghiz
(C) Eskimos
(D) Fulanis
119. Which of the following vitamin beneficial to human health is obtainable from the sun's rays ?
(A) Vitamin A
(B) Vitamin B
(C) Vitamin C
(D) Vitamin D
120. Penguin is a bird which can adjust well with one of the following environment :
(A) Cold
(B) Hot
(C) Moderately cool
(D) Moderately warm
121. Indian islands located in the Arabian Sea bear an important characteristic :
(A) Very small in size
(B) Are of coral origin
(C) Have dry climate
(D) Are the extended parts of the mainland
122. 'Reserve Forests' in India refers to :
(A) A zone of economic activity
(B) Meant mainly for tribal community
(C) Total forests under government's control
(D) Commercial exploitation with restricted grazing
123. Which country is known as 'sugar bowl' of the world ?
(A) India
(B) Cuba
(C) Mexico
(D) Australia
124. Mughal Architecture attained the highest development during the reign of :
(A) Akbar
(B) Jahangir
(C) Shahjahan
(D) Aurangzeb
125. A petroleum trap contains the constituents in ascending order of :
(A) Gas, Water and Oil
(B) Oil, Gas and Water
(C) Water, Oil and Gas
(D) Water, Gas and Oil
126. Which two cities in India are known as 'twin cities' ?
(A) Bangalore and Mysore

- (B) Ghaziabad and Delhi
 (C) Hyderabad and Secundrabad
 (D) Mumbai and Pune
127. A Geyser is :
 (A) An artesian well
 (B) A fault-line
 (C) A cold water spring
 (D) A hot water spring
128. Who accompanied the Prophet Mohammad to take a hide in Ghar-e-Saur at the time of departure (Hijrat) from Mecca to Madina ?
 (A) Hazrat Abu Bakr
 (B) Hazrat Umar
 (C) Hazrat Usman
 (D) Hazrat Ali
129. Who laid the foundation stone of Mohammedan Anglo Oriental (MAO) College at Aligarh ?
 (A) Lord Curzon
 (B) Lord Layo
 (C) Lord Lytton
 (D) Mac Donald
130. Moinuddin Chishti, who came to India and settled at Ajmer, was previously an inhabitant of the city of :
 (A) Bukhara
 (B) Baghdad
 (C) Madina
 (D) Sijistan
131. A primitive tribal group residing on Nilgiris in Tamil Nadu is known by the name :
 (A) Chenchus
 (B) Kolan
 (C) Todas
 (D) Uralis
132. Name the book written by Al-Beruni which describes geographical and socio-cultural aspects of India :
 (A) Kitabul Hind
 (B) Sehra-e-Hind
 (C) Rubbaiyat
 (D) Saqafat-e-Hind
133. The Indira Gandhi canal which irrigates the dry tracts of Rajasthan draws its water from the river :
 (A) Chenab
 (B) Jhelum
 (C) Ravi
 (D) Sutlej
134. Photovoltaic cell is a device to capture energy from :
 (A) Sun
 (B) Wind
 (C) Tide
 (D) Waves

135. The Earth revolves around the Sun. The plane in which the Earth orbits around the Sun is called :
- (A) Axis
(B) Ecliptic
(C) Hour-angle
(D) Declination
136. Immediate cause for the incidence of rain is :
- (A) Cooling of the saturated air
(B) Formation of rain bearing clouds
(C) Increase in relative humidity
(D) Increase in air temperature
137. Which day of the year is called 'World Environment Day' ?
- (A) 5th April
(B) 5th June
(C) 5th August
(D) 5th October
138. Which city of Brazil is known as 'Coffee Capital' ?
- (A) Brasilia
(B) Rio de Janeiro
(C) Sao Paulo
(D) Recife
139. A correct sequence of rivers flowing over the Punjab plains is :
- (A) Ganga, Indus, Chenab, Ravi and Sutlej
(B) Yamuna, Gomti, Ravi, Beas and Sutlej
(C) Jhelum, Chenab, Ravi, Beas and Sutlej
(D) Sarada, Kosi, Ravi, Beas and Sutlej
140. 'Sagar Samrat' an offshore oil drilling rig is in operation at :
- (A) Bombay High
(B) Cambay Basin
(C) Godavari Offshore Basin
(D) Krishna Offshore Basin
141. Palk-Strait joins the countries of :
- (A) Pakistan and Oman
(B) Japan and South Korea
(C) India and Sri Lanka
(D) Malaysia and South Vietnam
142. Which kind of power generation has the largest share of power supply in India ?
- (A) Geothermal
(B) Hydro-electric
(C) Nuclear
(D) Thermal
143. The highest salinity of sea water ever recorded is found in :
- (A) Arabian Sea
(B) Dead Sea
(C) Great Salt Lake
(D) Red Sea

144. Who was entrusted the task to prepare a draft of the Constitution of India ?
- (A) Bhim Rao Ambedkar
(B) Rajendra Prasad
(C) Maulana Abul Kalam Azad
(D) Sardar Patel
145. An increase in atmospheric temperature (caused by trapping of CO_2) is generated by the burning of fossil fuel is responsible for one of the following :
- (A) Acid rain
(B) Air pollution
(C) Greenhouse effect
(D) Ozone depletion
146. Ikebana is an art in which flowers are used for decoration is more popular in :
- (A) Taiwan
(B) Japan
(C) France
(D) Thailand
147. Which one is the most important source of irrigation in South India ?
- (A) Canal
(B) Tank
(C) Tube well
(D) Well
148. In the spring and autumn equinoxes (the period of equal duration of day and night), the position of the sun overheads at the equator corresponds with :
- (A) 21st March and 23rd September
(B) 22nd March and 24th September
(C) 23rd March and 25th September
(D) 24th March and 26th September
149. Which soil is considered most suitable for the cultivation of cotton ?
- (A) Red soil
(B) Black soil
(C) Laterite soil
(D) Alluvial soil
150. Islam in India was introduced for the first time by :
- (A) Monarchs
(B) Politicians
(C) Traders
(D) Warriors

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