

QUESTION PAPER AND KEY

Recruitment Test held on 9.4.2011 (Evening Session)

POST:

**PRODUCTION MANAGER
(KAPURTHALA)**

StudySite.org

ENGLISH VERSION

51(KPM)

Q.1. 'ਲੱਟੂ ਹੋਣਾ' ਦਾ ਅਰਥ ਹੈ :

- (A) ਉਦਾਸ ਹੋਣਾ (B) ਗਮਗੀਨ ਹੋਣਾ (C) ਮੋਹਿਤ ਹੋਣਾ (D) ਸੁਸਤ ਹੋਣਾ

Q.2. 'ਸੁਹਾਗਣ' ਦਾ ਉਲਟ-ਭਾਵੀ ਸ਼ਬਦ ਹੈ :

- (A) ਵਿਧਵਾ (B) ਬੁੱਢੀ (C) ਜਵਾਨ (D) ਕੰਜੂਸ

Q.3. 'ਤੁਹਾਡਾ' ਸ਼ਬਦ ਕੀ ਹੈ:

- (A) ਪੜਨਾਂਵ (B) ਨਾਂਵ (C) ਕਿਰਿਆ (D) ਵਿਸ਼ੇਸ਼ਣ

Q.4. 'ਅੱਖਾਂ ਅੱਗੇ ਸਰੋਂ ਫੁੱਲਣੀ' ਮੁਹਵਰੇ ਦੇ ਅਰਥ ਹਨ :

- (A) ਭੱਜ ਜਾਣਾ (B) ਮੁੜ ਆਉਣਾ (C) ਸਰੋਂ ਦੇਖ ਕੇ ਖੁਸ਼ ਹੋਣਾ (D) ਘਬਰਾ ਜਾਣਾ

Q.5. 'ਰੱਬ' ਸ਼ਬਦ ਦਾ ਸਮਾਨਰਥਕ ਹੈ :

- (A) ਗੁਰੂ (B) ਪ੍ਰਾਯੋਗਿਕ (C) ਪ੍ਰਮਾਤਮਾ (D) ਸੱਚਾ

Q.6. 'ਆਕਾਸ਼' ਸ਼ਬਦ ਦਾ ਉਲਟ-ਭਾਵੀ ਸ਼ਬਦ ਚੁਣੋ :

- (A) ਪਾਤਾਲ (B) ਬ੍ਰਹਿਮੰਡ (C) ਅੰਬਰ (D) ਪਹਾੜ

Q.7. ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ ਦੀਆਂ ਕਿਸਮਾਂ ਹੁੰਦੀਆਂ ਹਨ :

- (A) ਪੰਜ (B) ਛੇ (C) ਸੱਤ (D) ਅੱਠ

Q.8. 'ਸੋਹਣਾ ਮੁੰਡਾ ਗੀਤ ਗਾ ਰਿਹਾ ਹੈ' ਵਾਕ ਵਿੱਚ ਵਿਸ਼ੇਸ਼ਣ ਚੁਣੋ :

- (A) ਮੁੰਡਾ (B) ਗੀਤ (C) ਹੈ (D) ਸੋਹਣਾ

Q.9. ਪੰਜਾਬ ਦੀ ਦਫਤਰੀ ਭਾਸ਼ਾ ਕਿਹੜੀ ਹੈ:

- (A) ਅੰਗਰੇਜ਼ੀ (B) ਹਿੰਦੀ (C) ਪੰਜਾਬੀ (D) ਕੰਨੜ

Q.10. 'ਦੁਆਬੀ' ਕਿਸ ਖੇਤਰ ਦੀ ਭਾਸ਼ਾ ਹੈ :

- (A) ਅੰਮ੍ਰਿਤਸਰ ਦੀ (B) ਲਾਹੌਰ ਦੀ (C) ਮਾਝੇ ਦੀ (D) ਦੁਆਬੇ ਦੀ

Q.11. ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਵਾਲੇ ਵਰਣ ਸਮੂਹ ਨੂੰ ਕੀ ਕਿਹਾ ਜਾਂਦਾ ਹੈ :

- (A) ਲਿੱਪੀ (B) ਲਗਾ ਮਾਤਰਾ (C) ਬੋਲੀ (D) ਉਪ-ਬੋਲੀ

Q.12. 'ਅਤੇ' ਸ਼ਬਦ ਹੇਠ ਲਿਖਿਆਂ ਵਿੱਚੋਂ ਕੀ ਹੈ:

- (A) ਸੰਬੰਧਕ (B) ਯੋਜਕ (C) ਨਾਂਵ (D) ਵਿਸ਼ੇਸ਼ਣ

Q.13. ਜਿਹੜੇ ਇੱਕੋ ਸਮੇਂ ਹੋਣ :

- (A) ਉੱਤਰਕਾਲੀ (B) ਸਮਕਾਲੀ (C) ਭੂਤਕਾਲੀ (D) ਭਵਿੱਖਕਾਲੀ

Directions Qs.14-19:- Choose the correct antonym, out of the four choices given below, of the following words :-

Q.14. Validate

- (A) disprove (B) avoid (C) legalise (D) disallow

Q. 15. Vigorous

- (A) strong (B) dangerous (C) weak (D) ruthless

- Q. 16. Unsullied**
 (A) visible (B) stainless (C) foul (D) strong
- Q.17. Zany**
 (A) cautious (B) calculating (C) cunning (D) sane
- Q.18. Infallible**
 (A) erring (B) dubious (C) unreliable (D) wise
- Q.19. Deprecate**
 (A) uphold (B) approve (C) agree (D) recommend

Directions Qs 20-25:- Choose the correct meaning of the italicized idioms/phrases used in the following sentences out of the four choices:-

- Q.20. The sworn enemies have decided to *bury the hatchet* :-**
 (A) to help each other (B) to become partners
 (C) to make peace (D) to avoid each other
- Q. 21. It will be wise on Hari's part to *let the bygones be bygones*:-**
 (A) to ignore the past (B) to revive the past
 (C) To recollect the past (D) to resist the past
- Q.22. Some people have a habit of *wearing their heart on their sleeve*:-**
 (A) wasting their time (B) praising others
 (C) criticizing others (D) exposing their innermost feelings to others
- Q.23. Harry works *by fits and starts*:-**
 (A) irregularly (B) regularly (C) consistently (D) in high spirits
- Q.24. Saloni cannot *have her cake and eat it too*. :-**
 (A) run away from responsibility (B) always work according to her whims
 (C) have it both ways (D) fulfil all her wishes
- Q. 25. *The carrot and stick policy* pays dividends in every organization:-**
 (A) democratic (B) fair and foul
 (C) reward and punishment (D) continuous vigilance
- Q.26. Mohan and Sohan can do a job in 12 days. Sohan alone can finish it in 28 days. In how many days can Mohan alone finish the work?**
 (A) 18 (B) 21 (C) 12 (D) 24
- Q.27. If we know that $a < b$ and $c \leq d$, then we can deduce that**
 (A) $a - c < b - d$ (B) $a - c \leq b - d$ (C) $a - d < b - c$ (D) $c - a < d - b$
- Q.28. What will be the remainder if $(x^{97} - 1)$ is divided by $x + 1$.**
 (A) 96 (B) 2 (C) 0 (D) -2
- Q.29. We say two sets A and B are equal iff**
 (A) $n(A) = n(B)$ (B) $A \subset B$ and $B \subset A$ (C) $A^c = B^c$ (D) none of these
- Q.30. Out of the 5 boys and 2 girls, a committee of 3 is to be formed. In how many ways can it be formed if at least one girl is to be included?**
 (A) 20 (B) 25 (C) 32 (D) 60

- Q.31.** When the price of T. V. was reduced by 20%, the sale increased by 80%. What was the net effect on sale value in rupees?
(A) 40% more (B) 44% less (C) 44% more (D) 60% more
- Q.32.** If volume of a sphere is 36π then its surface area will be
(A) 18π (B) 36π (C) 12π (D) 6π
- Q.33.** $x^2 + 7x + 12 = 0$ implies:
(A) $x = -4$ or $x = -3$ (B) $x = 6$ or $x = -2$ (C) $x = 4$ or $x = 3$ (D) $x = 6$ or $x = 2$
- Q.34.** A cone of height 7 cms and base diameter 6 cms is made from a rectangular block of wood of dimensions 10 cms \times 5 cms \times 2 cms. Find the percentage of wood wasted.
(A) 60% (B) 44% (C) 40% (D) 34%
- Q.35.** The ratio of circumference to the diameter of a circle is
(A) Constant and a rational number (B) Constant and an irrational number
(C) An integer (D) An irrational number but not a constant
- Q.36.** Kimono is a dress style of which Asian country?
(A) China (B) Korea (C) Japan (D) Laos
- Q.37.** Lunar month is equal to
(A) One earth day (B) 14 earth days (C) 28 earth days (D) 365 days
- Q.38.** World Human Rights Day is observed on
(A) April, 8 (B) September, 5 (C) December, 10 (D) December, 7
- Q.39.** Which is the oldest theatre in India?
(A) New Theatre, Kolkata (B) Gaiety Theatre Shimla
(C) Rabindra Theatre, Delhi (D) Prithivi Theatre, Mumbai
- Q.40.** Khyber Pass is in
(A) India (B) Nepal (C) Pakistan (D) Bangladesh
- Q.41.** Which of the following days is celebrated as International Ozone Day?
(A) September 14 (B) September 16 (C) September 28 (D) September 5
- Q.42.** Which of the following sets of princely states are termed as Phulkian States?
(A) Patiala, Jind, Nabha (B) Patiala, Malerkotla, Nabha
(C) Patiala, Jind, Malerkotla (D) Patiala, Nabha, Jind, Kapurthala
- Q.43.** Harike Wetland is located in which district of Punjab?
(A) Kapurthala (B) Ferozepur (C) Moga (D) Amritsar
- Q.44.** What was original name of Banda Bahadur
(A) Farukh Siyar (B) Bhai Mani (C) Lachman Dev (D) Bhai Gurdas
- Q.45.** Who is the author of 'All the Prime Minister Men'?
(A) Romesh Thapar (B) Kamla Chattopadhyaya
(C) Khushwant Singh (D) Janardan Thakur
- Q.46.** Which dance was revived by Rabindranath Tagore?
(A) Bharatnatyam (B) Kathakali (C) Manipuri (D) Odissi

- Q.47. The Indian National Calendar is based on**
(A) Christian era (B) Saka era (C) Vikram era (D) Hijri era
- Q.48. Who is known as Punjab's "Bearded Mother Teresa"?**
(A) Partap Singh Kairon (B) Master Tara Singh
(C) Bhagat Puran Singh (D) Baba Balbir Singh Seechewal
- Q.49. 'Mandi House' is**
(A) The office of the P.M. (B) The office of NFDC
(C) The Doordarshan C.P.C. (D) The office of Director General of Doordarshan
- Q.50. Devi Talab Mandir is located in which of the following city of Punjab?**
(A) Kapurthala (B) Jalandhar (C) Hoshiarpur (D) Sangrur
- Q.51. The New Zealanders are known as**
(A) Ashes (B) Sams (C) Kiwis (D) Georgians
- Q.52. Boat Race is a popular sport in**
(A) Orissa (B) Karnataka (C) Tamil Nadu (D) Kerala
- Q.53. India's biggest nuclear research reactor is**
(A) Apsara (B) Cirus (C) Dhruva (D) Purnima
- Q.54. The world famous 'Khajuraho' sculptures are located in**
(A) Gujarat (B) Maharashtra (C) Orissa (D) Madhya Pradesh
- Q.55. 'Green Peace Foundation' is associated with**
(A) France (B) Italy (C) Britain (D) West Germany
- Q.56. Which is the largest district of Punjab in terms of area?**
(A) Ferozpur (B) Ludhiana (C) Gurdaspur (D) Hoshiarpur
- Q.57. Who launched 'Nanhi Chhan Project'?**
(A) Mrs. Harsimrat Kaur Badal (B) Mrs. Rajinder Kaur Bhattal
(C) Mrs. Parneet Kaur (D) Mrs. Kiran Chaudhry
- Q.58. The first person of Indian origin to be appointed as a judge in U.S. is**
(A) R.C. Bhardwaj (B) Ridhi Desai (C) Basava Rajeswari (D) P.A. Sangma
- Q.59. The Konark Temple is dedicated to**
(A) Vishnu (B) Shiva (C) Krishna (D) Surya
- Q.60. Of which of the following states is Nautanki, a folk dance?**
(A) Uttar Pradesh (B) Arunachal Pradesh
(C) Meghalaya (D) Orissa
- Q.61. Most ancient musical instrument among the following is**
(A) Sarod (B) Tabla (C) Sitar (D) Veena
- Q.62. Hola Mohalla, a sikh festival is held on**
(A) Occasion of Holi (B) One day before Holi
(C) One day after Holi (D) Occasion of Baisakhi

- Q.63. What is unique about the film 'Adi Shankaracharya'?**
 (A) It is the first Sanskrit film (B) It has no female actress
 (C) It is the first film of the director G.V. Lyer (D) It is the first film.
- Q.64. The first Indian university opened in 1857 was in**
 (A) Mumbai (B) Kolkata (C) Banaras (D) Chennai
- Q.65. 'Gita Govinda' is written by**
 (A) Valmiki (B) Tulsidas (C) Jaya Dev (D) Maithili Sharan Gupta
- Q.66. Pushpa Gujral Science City was established at which of the following place?**
 (A) Faridkot (B) Ferozpur (C) Jalandhar (D) Kapurthala
- Q.67. The Rath Yatra at Puri is celebrated in honour of which Hindu deity?**
 (A) Ram (B) Shiva (C) Vishnu (D) Jagannath
- Q.68. 'Atlantis' is the name of the space shuttle launched by**
 (A) Britain (B) India (C) Australia (D) America
- Q.69. Aam Khas Bagh is located in**
 (A) Patiala (B) Sirhind (C) Amritsar (D) Ferozpur
- Q.70. Where is the National Defence Academy situated?**
 (A) Wellington (B) New Delhi (C) Dehra Dun (D) Khadakvasla
- Q.71. The first test tube baby of the world was born in**
 (A) U.S.A. (B) India (C) Britain (D) France
- Q.72. Swami Vivekananda's Birthday is observed in India as**
 (A) All Saints Day (B) Hindu Renaissance Day
 (C) National Youth Day (D) World Religions Day
- Q.73. The famous Meenakshi temple is in**
 (A) Maharashtra (B) Gujarat (C) Orissa (D) Tamil Nadu
- Q.74. Wimbledon known for lawn tennis courts, is in**
 (A) London (B) Washington D.C. (C) New York (D) Rome
- Q.75. India's oldest planetarium is located at**
 (A) Mumbai (B) Calcutta (C) Patna (D) Ahmedabad

Directions for Q 76 to 78: In each of the questions below, a related pair of words in capital letters is followed by four pairs of words (A-D). Select that lettered pair that expresses the relationship that is MOST similar to that of the capitalised pair:

- Q.76. FURY : IRE :: _____ : _____**
 (A) Cry : whisper (B) Dispassion: emotion
 (C) Joke : laugh (D) Convulsion : spasm
- Q.77. COMMANDER : COMMANDS :: _____ : _____**
 (A) Surgeon : diagnosis (B) Senator : legislates
 (C) Checks : teacher (D) Aerates : aviator
- Q.78. POLITE : ETILOP :: _____ : _____**
 (A) CHART : TRAHC (B) SINGLE : ELGNIS
 (C) DRAOB : BOARD (D) WOMEN : WOMAN

Directions for Q. 79 to 82: Supply the right letters for question (?) marks in the following questions:

Q.79. X U S P N K ?

- (A) I (B) L (C) M (D) Q

Q.80. T S Q N J ?

- (A) S (B) E (C) K (D) L

Q.81. 8, 1, 9, 10, 19, 29, ?, 77

- (A) 38 (B) 48 (C) 40 (D) 52

Q.82. 0, 2, 6, 12, 20, ?, ?

- (A) 25,28 (B) 30,41 (C) 30,42 (D) 30,45

Directions for 83 to 85: In each of the following questions, there are four choices (A-D). Three of them are alike and one different. Find the odd-man out.

Q.83. (A) Truthful (B) Sly (C) Virtuous (D) Pensive

Q.84. (A) Moon (B) Saturn (C) Venus (D) Earth

Q.85. (A) India Today (B) Tribune (C) The Hindu (D) The Hindustan Times

Directions for Q 86 to 90: Here are four group of letters marked (A-D). Three of them are alike in some way or the other, while one is different (odd). Find the one which is different from others:

Q.86. (A) aaAA eeFF (B) ppQQ uuVV (C) IIMM qqRR (D) rrss wwXX

Q.87. (A) ppp TTA (B) ooo GGH (C) hhh TOY (D) iii OOW

Q.88. (A) 63852 (B) 85362 (C) 28365 (D) 28751

Q.89. (A) 37037 X6 (B) 37037 X12 (C) 37037 X9 (D) 37037 X4

Q.90. (A) 387315 (B) 349416 (C) 31896 (D) 372164

Q.91. If 'START=WALKA' and 'BUDPI=XZFMQ', what would be 'STUPID'=?

- (A) W A Z N O F (B) W A Z M M F (C) B A Z M Q F (D) W A Z M Q F

Q.92. If 'OVER' is coded as 'QYIW' and 'UP' as 'WS' then 'STAR' will be coded as _____?

- (A) U W E V (B) U W D V (C) U V B S (D) U W E W

Q.93. If SUPER=79, SUPREME=97 then LABOUR=?

- (A) 79 (B) 69 (C) 89 (D) 49

Q.94. 'PROMOTION' in a certain code is written as 'Q S P 8 9'. How will you code 'DEMOTION'?

- (A) D E 9 8 (B) G F 9 8 (C) E F 8 9 (D) E G 8 9

Q.95. 'Barin' village is 20 kilometres to the north of village 'Khanot'. Village 'Banoha' is 18 kilometres to the east of village 'Khanot'. Village 'Palasi' is 12 kilometres to the west of 'Barin'. If Amritabh starts from village Banoha and goes to village Palasi in which direction is he from his starting Point?

- (A) North-East (B) North-West (C) South-East (D) North

Q.96. A tourist drives 10km towards east and turns to the right hand and drives 3km. Then he drives towards west (turning to his right) 3km. He then turns to his left and drives 2km. Finally he turns to his right and travels 7km. How far is he from his starting point and in which direction would he be?

- (A) 10km, East (B) 9km, North (C) 8km, West (D) 5km, West

- Q.97. A,B,C,D,E,F and G are members of a family consisting of 4 adults and 3 children, two of whom, F and G are girls, A and D are brothers and A is a doctor. E is an engineer married to one of the brothers and has two children. B is married to D and G is their children. Who is C?
- (A) G's father (B) F's father (C) E's daughter (D) A's son

Directions : If the first three letters of the word 'C O M P R E H E N S I O N' are reversed, then last three letters are added and then the remaining letters are reversed and added, then, give correct answers for Q. 98 to Q. 99.

- Q.98. Which letter will be exactly in the middle?
- (A) H (B) R (C) S (D) N
- Q.99. Which letter will be fifth from the end?
- (A) S (B) R (C) N (D) E
- Q.100. If south-east becomes north, north-east becomes west, then what will west become?
- (A) North-West (B) South-East (C) North-East (D) South-West
- Q.101. The shortcut key for pasting copied contents in a document in Microsoft Office is :
- (A) CTRL + S (B) CTRL + C (C) CTRL + A (D) CTRL + V
- Q.102. The extension of Microsoft Word 2007 documents is :
- (A) Doc (B) Docx (C) Txt (D) Rtf
- Q.103. In order to set size of page to A4, the menu used will be :
- (A) File (B) Insert (C) Page Layout (D) View
- Q.104. You can create a new presentation by completing all of the following except
- (A) Clicking file open (B) Clicking file, new
(C) Clicking the new button on the standard toolbar (D) Pressing ctrl + N
- Q.105. Which of the following allow you to select more than one slide in a presentation?
- (A) Alt + Click each slide (B) Shift + drag each slide
(C) Shift + Click each slide (D) Ctrl + Click each slide
- Q.106. To add two cells (A1 and A2) together in excel you use the following formula
- (A) =A1 + A2 (B) =Add(A1+A2) (C) =together(A1:A2) (D) A1 plus A2
- Q.107. To select a column the easiest method is to.....
- (A) Double click any cell in the column
(B) Drag from the top cell in the column to the last cell in the column
(C) click the column heading
(D) click the column label
- Q.108. The shortcut key for copying contents in a document in Microsoft Office is :
- (A) CTRL + S (B) CTRL + C (C) CTRL + A (D) CTRL + V
- Q.109. Which types of charts can excel produce?
- (A) Line graphs and pie charts only (B) Only line graphs
(C) Bar charts, line graphs and pie charts (D) Bar charts and line graphs only
- Q.110. When the formula bar is activated, you can see
- (A) The Edit Formula button (B) The Cancel button
(C) The Enter button (D) All of above

- Q.111. According to Integrated Marketing Communication Model, the first step is:**
(A) Buying (B) Brand Relationship
(C) Attitudes towards Brand (D) Intent to buy
- Q.112. Which factor is not considered under behavioural equation theory?**
(A) Force or Habit (B) Motivation (C) Intensity (D) Leadership
- Q.113. Primary activities in value chain does not include:**
(A) Marketing (B) Research and Development
(C) Material Management (D) Production
- Q.114. Which of the following statements would a Theory X manager consider to be true?**
(A) The average person can learn to accept and even seek responsibility
(B) Employees will shirk responsibility
(C) Employees will exercise self-direction if they are committed to the objectives
(D) Employees view work as being as natural as play
- Q.115. Which management concept suggests that low-importance decisions be handled by subordinates, so that managers can focus on high-importance decisions?**
(A) Management by objective (B) Management by exception
(C) Participatory management (D) Inclusionary management
- Q.116. Potential flow is the flow of**
(A) Compressible fluids with shear (B) Compressible fluids with no shear
(C) Incompressible fluids with shear (D) Incompressible fluids with no shear
- Q.117. For Water when the Pressure increases the viscosity**
(A) also increases (B) decreases
(C) remains constant (D) first decreases, then increases
- Q.118. The velocity profile for turbulent flow through a closed conduit is**
(A) Logarithmic (B) Hyperbolic (C) Parabolic (D) Linear
- Q.119. A fluid is pumped at the rate of 10 lb/Sec. to a height of 55 ft. The Horse Power required is**
(A) 1 (B) 10/55 (C) 5.5 (D) 1/55
- Q.120. Higher Specific speed (200 – 500) of centrifugal pump indicates that it is of __ flow type pump.**
(A) Axial (B) Radial (C) Mixed (D) None
- Q.121. Number of water molecules present in a drop of water weighting 0.018 gm is**
(A) 6.023×10^{26} (B) 6.023×10^{23} (C) 6.023×10^{20} (D) 6.023×10^{17}
- Q.122. The most common filter aid is**
(A) Diatomaceous earth (B) Calcium Silicate
(C) Sodium Carbonate (D) Silica – gel
- Q.123. Poly-tetrafluor ethylene (P.T.F.E.) is known as**
(A) Bakelite (B) Teflon (C) Celluloid (D) Dacron

Q.124. Fouling factor

- (A) is a dimensionless quantity
- (B) does not provide a safety factor of design
- (C) accounts for additional resistances to heat flow.
- (D) Does not have any effect on heat transfer.

Q.125. Baffles in the shell side of a shell and tube heat exchanger

- (A) increase the cross-section of the shell side liquid.
- (B) Force the liquid to flow parallel to the bank.
- (C) Increase the shell side heat transfer co-efficient.
- (D) Decrease the shell side heat transfer co-efficient.

Q.126. Thermal conductivities of most of the liquids with rise in temperature

- (A) increases
- (B) decreases
- (C) remains unchanged
- (D) may increase or decrease; depends on the liquid

Q.127. Overall efficiency of the distillation column is

- (A) the ratio of number of ideal plates to actual plates
- (B) the ratio of number of actual plates to ideal plates
- (C) same as the Murphree efficiency
- (D) always more than the point efficiency

Q. 128. Diameter to height ratio for a rashing ring is

- (A) 1
- (B) 0.5
- (C) 2
- (D) 8

Q.129. Dry chlorine can be handled in a vessel made of

- (A) Iron or steel
- (B) PVC
- (C) Nickel
- (D) Brass

Q.130. Tank furnace used for melting of glass is made of

- (A) Mild steel
- (B) Cast iron
- (C) Refractory blocks
- (D) Stainless steel

Q.131. Stainless steel contains

- (A) Chromium and nickel
- (B) Copper
- (C) Aluminium
- (D) Vanadium

Q.132. Specific weight of water in S.I units is equal to

- (A) 1000 N/m³
- (B) 10000 N/m³
- (C) 9.81 × 10³ N/m³
- (D) None

Q.133. A pressure head of 25 m of water is equal to

- (A) 25 kn/m²
- (B) 245 kn/m²
- (C) 2500 kn/m²
- (D) 2.5 kn/m²

Q.134. Pressure of the order of 10⁻¹⁰ torr can be measured by

- (A) Bourdon tube
- (B) Pirani Gauge
- (C) Micro-manometer
- (D) Ionisation gauge

Q.135. Mach number greater than unity implies that the flow is

- (A) Sonic
- (B) Subsonic
- (C) Supersonic
- (D) Hypersonic

Q.136. The coal requirement per kW hour generation in the thermal power plant is of the order of

- (A) 0.1 to 0.2 kg
- (B) 0.2 to 0.4 kg
- (C) 0.6 to 0.8 kg
- (D) 1.0 to 1.5 kg

- Q.137. The percentage of carbon in pig iron varies from**
(A) 0.1 to 1.2% (B) 1.5 to 2.5% (C) 2.5 to 4% (D) 4 to 4.5%
- Q.138. Inconel is an alloy of**
(A) Nickel, chromium and iron (B) Nickel, copper
(C) Nickel, lead (D) None
- Q.139. The commonly used flux for brazing is**
(A) Resin (B) NH_4Cl (C) Borax (D) Soft iron
- Q.140. The temperature range for soldering process is**
(A) 40°C to 100°C (B) 180°C to 250°C
(C) 300°C to 500°C (D) 600°C to 900°C
- Q.141. Trowel is**
(A) a round sieve
(B) a long, flat metal plate fitted with an offset handle
(C) used to make or repair corners in a mould
(D) used to scoop sand deep in the mould
- Q.142. The unit of power in S.I. units is**
(A) Newton (B) Pascal (C) Erg. (D) Watt
- Q.143. Which of the following is not the intensive property?**
(A) Pressure (B) Temperature (C) Density (D) Heat
- Q.144. In a Carnot cycle, heat is transferred at**
(A) Constant pressure (B) Constant volume
(C) Constant temperature (D) Constant enthalpy
- Q.145. Specific fuel consumption is defined as**
(A) fuel consumption per hour (B) fuel consumed per km
(C) fuel consumed per BHP (D) fuel consumed per hr per BHP
- Q.146. Diesel fuel, compared to petrol is**
(A) less difficult to ignite (B) just about the same to ignite
(C) more difficult to ignite (D) highly ignitable
- Q.147. The air-fuel ratio of the petrol engine is controlled by**
(A) Fuel pump (B) Governor (C) Injector (D) Carburettor
- Q.148. The specific heat of superheated steam in kcal/kg is generally of the order of**
(A) 0.1 (B) 0.3 (C) 0.5 (D) 0.8
- Q.149. The dry saturated steam at very high pressure ($150 - 200 \text{ kg/cm}^2$) when throttled to atmosphere will become**
(A) Wet (B) Superheated (C) Remain dry saturated (D) Dry
- Q.150. On psychometric chart, relative humidity lines are**
(A) Horizontal (B) Vertical
(C) Straight inclined sloping downward to the right (D) Curved

Key (Code: 5.1)
Post: Production Manager (KTH)

Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
1	C	31	C	61	D	91	D	121	C
2	A	32	B	62	C	92	D	122	A
3	A	33	A	63	A	93	B	123	B
4	D	34	D	64	B	94	C	124	C
5	C	35	B	65	C	95	B	125	C
6	A	36	C	66	D	96	D	126	B
7	D	37	C	67	D	97	D	127	B
8	D	38	C	68	D	98	C	128	A
9	C	39	B	69	B	99	D	129	A
10	D	40	C	70	D	100	B	130	C
11	A	41	B	71	C	101	D	131	A
12	B	42	A	72	C	102	B	132	C
13	B	43	D	73	D	103	C	133	B
14	A	44	C	74	A	104	A	134	D
15	C	45	D	75	B	105	C	135	C
16	B	46	B	76	D	106	A	136	C
17	D	47	B	77	B	107	C	137	D
18	A	48	C	78	B	108	B	138	A
19	B	49	D	79	A	109	C	139	C
20	C	50	B	80	B	110	D	140	B
21	A	51	C	81	B	111	C	141	B
22	D	52	D	82	C	112	D	142	D
23	A	53	C	83	D	113	B	143	D
24	B	54	D	84	A	114	B	144	C
25	C	55	A	85	A	115	B	145	D
26	B	56	A	86	D	116	D	146	C
27	C	57	A	87	C	117	D	147	D
28	D	58	B	88	D	118	A	148	C
29	B	59	D	89	D	119	A	149	A
30	A	60	A	90	D	120	A	150	D