

उम्मीदवार इस पुस्तिका के सबसे ऊपरी सील को खोलकर पृष्ठ संख्या 2 और 3 के मध्य स्थापित OMR उत्तर पुस्तिका को निकाल लें।
Candidates should open the top side of the seal of this Booklet and take out the OMR Answer Sheet placed between page no. 2 and 3.

पुस्तिका सं. :
Test Booklet No. :

20585

परीक्षा पुस्तिका श्रृंखला : A
Test Booklet Series :

निर्धारित समय : 150 मिनट
Time Allowed : 150 Minutes

परीक्षा प्रश्न-पुस्तिका EXAMINATION QUESTION BOOKLET

अधिकतम अंक : 150
Maximum Marks : 150

रोल नं. :

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उत्तर शीट सं. :

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Answer Sheet No. :

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प्रश्नों के उत्तर देने से पहले निम्नलिखित अनुदेशों को ध्यान से पढ़ लें।
Read the following instructions carefully before you begin to answer the questions.

उम्मीदवारों के लिए अनुदेश

Instructions to the Candidates

- प्रश्नों के उत्तर लिखना आरंभ करने से पहले आप इस पुस्तिका की जाँच करके सुनिश्चित कर लें कि इसमें पूरे पृष्ठ (1-24) हैं तथा कोई पृष्ठ या उसका भाग कम या दुबारा तो नहीं आ गया है। उम्मीदवारों को यह भी जाँच करनी है कि उनको केवल उस पोस्ट की सही परीक्षा-पुस्तिका मिली है जिसके लिए उन्होंने आवेदन किया है। यदि आप इस पुस्तिका में कोई खुट्टि पाएँ, तो तत्काल इसके बदले दूसरी पुस्तिका लें।
- ओ एम् आर उत्तर-शीट प्रश्न पुस्तिका में ही उपलब्ध रहेगी। कृपया सुनिश्चित करें कि ओ एम् आर उत्तर-शीट संख्या और परीक्षण पुस्तिका संख्या समान हैं। ओ एम् आर उत्तर-शीट पर जानकारी भरने से पहले ओ एम् आर शीट पर छपे निर्देशों को ध्यान से पढ़ें। आपको ओ एम् आर उत्तर पत्रक पर सभी विवरणों को सही ढंग से पूरा और कोड करना होगा, ऐसा न करने पर आपकी उत्तर पुस्तिका का मूल्यांकन नहीं किया जा सकता है। प्रश्नों का उत्तर देना शुरू करने से पहले आपको ओ एम् आर उत्तर-पत्रक पर दिये गए निर्धारित स्थान पर अपने हस्ताक्षर करने होंगे। इन निर्देशों का पूर्ण रूप से पालन किया जाना चाहिए, ऐसा न करने पर आपकी ओ एम् आर उत्तर-पुस्तिका का मूल्यांकन नहीं किया जा सकता है। (दृष्टिहीन उम्मीदवारों के लिए यह विवरण लेखक द्वारा भरे जायेंगे। फिर भी, सभी दृष्टिहीन उम्मीदवारों को ओ एम् आर उत्तर-शीट में निर्धारित स्थान पर अपने बाएँ हाथ के अंगूठे का निशान अवश्य लगाना चाहिए। इसके अतिरिक्त, जो दृष्टिहीन उम्मीदवार अपना हस्ताक्षर कर सकते हैं, वे अंगूठे के निशान के अलावा अपने हस्ताक्षर भी करें।)
- ओ एम् आर उत्तर-शीट तीन प्रतियों में होगी (मूल तथा कार्बन की दो प्रतिलिपियाँ)। परीक्षा समाप्ति के बाद ओ.एम्.आर. की मूल शीट तथा एक कार्बन प्रतिलिपि निरीक्षक को सौंपने के पश्चात् उम्मीदवार अपने साथ एक कार्बन प्रतिलिपि ले जा सकते/सकती हैं। यदि कोई भी उम्मीदवार ऐसा करने में असफल रहता/रहती है तो उसकी उम्मीदवारी रद्द कर दी जायेगी। यदि कोई उम्मीदवार अपनी कार्बन प्रतिलिपि में किसी भी प्रकार का फेर-बदल कर उसका दावा करता/करती है तो इस स्थिति में भी उसका/उसकी उम्मीदवारी रद्द की जायेगी।
- इस प्रश्न-पुस्तिका में 150 बहुविकल्पीय प्रश्न हैं, प्रत्येक प्रश्न के 4 विकल्प दिए गए हैं, (A), (B), (C) और (D)। किसी भी स्थिति में प्रत्येक प्रश्न का केवल एक विकल्प ही सही उत्तर है। यदि आपको एक से अधिक विकल्प सही लगें तो सबसे अधिक उचित एक विकल्प का चुनाव करें और उत्तर शीट में संबंधित प्रश्न के सामने वाले उपयुक्त गोले को काला करें।
- प्रश्न पुस्तिका में पाँच भाग हैं : भाग A : Reasoning, भाग B : English, भाग C : Aptitude, भाग D : Basic Mathematics, भाग E : Attitude & Leadership प्रत्येक भाग में 30 प्रश्न हैं। उम्मीदवार को सभी भागों के उत्तर लिखना अनिवार्य है।
- प्रत्येक सही उत्तर के लिए 1 अंक दिया जाएगा। गलत उत्तर के लिए कोई नकारात्मक अंकन नहीं है।
- गोले को काला करने के लिए केवल काले/नीले बॉल प्वाइंट पेन का प्रयोग करें। गोले को एक बार काला करने के बाद इसको मिटाने या बदलने की अनुमति नहीं है। यदि किसी प्रश्न के सामने एक से ज्यादा गोले काले किये गए हों तो मशीन द्वारा उसके लिए शून्य अंक दिया जाएगा।
- किसी भी स्थिति में उत्तर शीट को न मोड़ें।
- उत्तर-पुस्तिका पर कोई भी रफ कार्य नहीं करना है। रफ कार्य के लिए इस पुस्तिका में स्थान दिया गया है।
- परीक्षा हॉल/कमरों में मोबाइल फोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं। उम्मीदवारों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फोन/किसी अन्य बेतार संचार साधन को स्विच ऑफ करके भी अपने पास न रखें। इस प्रावधान का अनुपालन न करने को परीक्षा में अनुचित उपायों का प्रयोग माना जायेगा और उनके विरुद्ध कार्यवाही की जाएगी, जिसमें उनकी उम्मीदवारी रद्द करना भी शामिल है।
- अभ्यर्थी अपनी उत्तर पुस्तिका पर्यवेक्षक को सौंपे बिना और अपने रोल नंबर के सामने उचित स्थान पर उपस्थिति पत्रक पर हस्ताक्षर किए बिना परीक्षा हॉल/कक्ष से बाहर नहीं जा सकता। इसके अलावा अभ्यर्थी को उपस्थिति पत्रक पर हस्ताक्षर करने से पहले यह भी सुनिश्चित करना चाहिए कि बुकलेट नंबर, बुकलेट सीरीज और ओ एम् आर उत्तर पुस्तिका संख्या सही ढंग से लिखी गई हो। ऐसा ना करने पर, ओ एम् आर उत्तर पुस्तिका को अमान्य माना जाएगा/मूल्यांकन नहीं किया जा सकता है।

- Before you start to answer the questions you must check this booklet and ensure that it contains all the pages (1-24) and see that no page or portion thereof is missing or repeated. Candidates are also required to check that they have got the right question booklet strictly for the post candidate has applied for. If you find any defect in this Booklet, you must get it replaced immediately.
- OMR Answer-Sheet is within the Question booklet. Please ensure OMR Answer-Sheet number and Test Booklet No. of Question Paper are same. Read the instructions printed on OMR Answer sheet carefully before filling the information on the OMR Answer sheet. You must complete and code all the details on the OMR answer sheet correctly failing which your answer sheet may not be evaluated. You must also put your signature on the OMR Answer-Sheet at the prescribed place before you actually start answering the questions. These instructions must be fully complied with, failing which, your OMR Answer-Sheet may not be evaluated. (For V.H. candidates these details will be filled in by the scribe. However, all V.H. candidates must put their left-hand thumb impression at the space provided in the OMR Answer-Sheet. In addition, those V.H. candidates who can sign should also put their signatures in addition to thumb impression.)
- The OMR answer sheet will be in triplicate (Original and two carbon copies). Candidate has to take one carbon copy (marked as 'candidate copy') with him/her after examination and handover the original OMR along with one carbon copy to invigilator. If candidate fails to handover the original OMR along with one carbon copy to invigilator, his/her candidature will be cancelled. Further, if the candidate tampers with candidate OMR carbon copy and claims for same, in that case also his/her candidature will be cancelled.
- This booklet consists of 150 Multiple Choice Questions. Each question has 4 (four) alternatives (A), (B), (C) and (D). In any case only one alternative will be the correct answer. In case if you find more than one correct answer, then choose the most appropriate single option and darken the appropriate circle in the answer sheet in front of the related question.
- Question Booklet consists of five Section : Section A : Reasoning, Section B : English, Section C : Aptitude, Section D : Basic Mathematics, Section E : Attitude & Leadership. Each Section has 30 questions. Candidates has to attempt all the parts compulsorily.
- For each correct answer One mark will be given and no negative marking for incorrect answer.
- Use Black/Blue ball point Pen to darken the circle. Answer once darkened is not allowed to be erased or altered. Against any question if more than one circle is darkened, machine will allot zero mark for that question.
- Do not fold answer sheet in any case.
- No rough work is to be done on the Answer Sheet. Space for rough work has been provided in this booklet.
- Mobile phones and wireless communication devices are completely banned in the examination hall/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature.
- Candidate should not leave the examination hall/room without handing over his/her Answer sheet to the invigilator and without signing on the attendance sheet at proper place against your roll number, further candidate should also ensure that booklet no., booklet series and OMR Answer sheet no. are correctly written on attendance sheet before signing on it, failing in doing so, may lead to disqualification/no evaluation of OMR Answer sheet.

जब तक आपसे कहा न जाए तब तक प्रश्न-पुस्तिका न खोलें / DO NOT OPEN THE QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.

उम्मीदवार का नाम/Name of Candidate :

उम्मीदवार के हस्ताक्षर/Signature of Candidate :

SEAL

SECTION A : REASONING

1. If you pick up from following alphabet, the sixth and fourteenth letters from your right and then pick up the fifth and twentieth letters from your left and form a meaningful word, what is the first letter of that word ?

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- (A) M (B) E
(C) No word can be formed (D) More than one word can be formed

2. In the following question, arrange the words in a logical sequence and choose the correct sequence from the given alternatives :

1. Atomic age,
2. Metallic age,
3. Stone age,
4. Alloy age

- (A) 1, 3, 4, 2 (B) 3, 2, 4, 1 (C) 2, 3, 1, 4 (D) 4, 3, 2, 1

3. Study the following information carefully and answer the questions given below.

Six persons - K, L, M, N, O and P - lives on different floor of a building having six floors numbered one to six (the ground floor is numbered 1, the floor above it is numbered 2 and so on and the topmost floor is numbered 6).

L lives on an even numbered floor. L lives on a floor immediately below K's floor and immediately above M's floor. P lives on a floor immediately above N's floor. P lives on an even numbered floor. O does not live on floor number 4.

Who amongst the following live on the floors exactly between K and P ?

- (A) O and L (B) L and N (C) L and M (D) M and N

4. Rearrange the letters given below to form a meaningful word and select from the given alternatives the word which is almost opposite in meaning to the word so formed :

RBANOEH CER

- (A) Liking (B) Appreciation (C) Aversion (D) Apprehension

Directions : (5-6) The following questions consist of two words each, that have a certain relationship with each other, followed by four lettered pairs of words. Select the letter pair that has the same relationship as the original pair of words.

5. Mendacity : Honesty

- (A) Truth : Beauty (B) Sportsmanship : Fortitude
(C) Courageous : Craven (D) Turpitude : Depravity

6. Identity : Anonymity
 (A) Flaw : Perfection (B) Careless : Mistake
 (C) Truth : Lie (D) Fear : Joy
7. In the following question, some groups of letters are given, all of which except one, share a common similarity while one is different. Select the odd one.
 (A) DFHB (B) KMOJ (C) PRTN (D) XZBV
8. If '+' means subtraction, '-' means multiplication, 'symbol of division' means addition and 'x' means division, then what is the value of the following :
 $54 \times 9 - 7$ division $8 + 4 = ?$
 (A) 56 (B) 46 (C) 59 (D) 48
9. In a code language 'BOMBAY' is written as CQPFFE, then in the same language how will you write 'BHARAT' ?
 (A) CJDVEZ (B) CJDVFZ (C) CJWFZ (D) CIEWEZ
10. I was facing East from where I turned to my left and walked 12 ft, then I turned towards right and walked 6 ft. After that I walked 6 ft in South direction and at last, I walked 6 ft in the West. Then, in which direction am I standing from the original point ?
 (A) West (B) East (C) South (D) North
11. If P\$Q means 'P is the father of Q', P#Q means 'P is the mother of Q', and P*Q means 'P is the sister of Q'. Then, how is Q related to N in N#L\$P*Q ?
 (A) Grandson (B) Granddaughter
 (C) Nephew (D) Data inadequate
12. In the following number series, only one number is wrong. Find out the wrong number.
 9050, 5675, 3478, 2147, 1418, 1077, 950
 (A) 3478 (B) 1418 (C) 5675 (D) 1077
13. Read the following information carefully and answer the question below.
 (i) M \$ N means M is the mother of N
 (ii) M # N means M is the father of N
 (iii) M @ N means M is the husband of N
 (iv) M % N means M is the daughter of N
 If G \$ M @ K, how is K related to G ?
 (A) Mother (B) Mother-in-law (C) Daughter (D) Daughter-in-law

14. If 'CAMERA' is coded as 'ZIVNZX' in a certain code language, then how would you code 'CHAPRA' in that code language ?
(A) ZISKZX (B) ZIKSZX (C) ZIKXSZ (D) ZIKZSX
15. In the following Question, replace the ? with suitable options :
7, 12, 22, 42, 82, ?
(A) 143 (B) 173 (C) 183 (D) 162
16. In the question below, three Statements (I), (II), and (III) are given. You are required to find out which of the given statement (s) is/are sufficient to answer the question. Mark your answer accordingly.
How old was Deepak on 30th July 1996 ?
(I) Deepak is 6 yr older than his brother Prabir.
(II) Prabir is 29 yr younger than his mother.
(III) Deepak's mother celebrated her 50th birthday on 15th June 1996.
(A) (I) and (II) (B) All (I), (II) and (III)
(C) (II) and (III) (D) None of these

Directions : Q (17-21) are based on following information :

8 friends named A, B, C, D, E, F, G and H are sitting in a circle facing each other but not necessarily in the same order. Each of them sings a song but from different movies. The names of the movies are Coolie, Noorie, Sholay, Kranti, Karma, Desh Premi, Tiranga and Satyakama but not necessarily in the same order.

C sings a song from movie Tiranga and sits third to the right of E. Those who sing the songs from movie Desh Premi and Kranti are immediate neighbours of one another but not of E and C. Also, two persons who sing from the movies Noorie and Satyakama are neighbours of each other. F and D do not sing from movie Satyakama. The person who sings from movie Coolie, sits opposite to B, who sings from the movie Sholay. A sings the song from movie Noorie but he is not an immediate neighbour of the person who sings the song from movie Coolie. H sits fourth to the right of the one who sings the song of movie Satyakama G sits third to the right of F, who does not sing song from movie Desh Premi.

17. Who among the following sits opposite to B ?
(A) E (B) G (C) F (D) D
18. What is the position of D with respect to H ?
(A) Immediate right (B) second to the left
(C) second to the right (D) third to the left

19. How many friends sit between F and C, when counted from the left of C.
 (A) 4 (B) 2 (C) 1 (D) 3
20. Which of the following movie song G sings ?
 (A) Desh Premi (B) Coolie (C) Kranti (D) Satyakama
21. Who among the following sings a song from movie Kranti ?
 (A) F (B) E (C) D (D) G
22. Select the number that will come next in the following series
 7, 14, 33, 70, 131, _____
 (A) 256 (B) 222 (C) 262 (D) 216
23. In a certain code, "Friend" is written as "EQHDMC". How is "Globe" written in that code ?
 (A) FNKAO (B) EJNAD (C) FKNBD (D) FKNAD

Directions : Answer question (24-25) on the basis of following instructions :

Instructions : For the **Assertions (A)** and **Reason (R)** below, choose the correct alternative from the following :

- (I) Both (A) and (R) are true and (R) is the correct explanation of (A).
 (II) Both (A) and (R) are true and (R) is not the correct explanation of (A).
 (III) (A) is true but (R) is false.
 (IV) (A) is false but (R) is true.

24. **Assertion (A) :** The filament in an electric bulb does not burn up although its temperature is about 2700°C when it glows.
Reason (R) : Bulb filament is made of tungsten.
 (A) (I) (B) (II) (C) (III) (D) (IV)
25. **Assertion (A) :** Salt is added to cook food at higher altitudes.
Reason (R) : Temperature is lower at higher altitudes.
 (A) (I) (B) (II) (C) (III) (D) (IV)
26. In a certain code language, 'TAPE' is written as 'SUZBOQDF'. How will 'MOCK' be written as in that language ?
 (A) MOPQDELM (B) LNNPBDJL (C) LOPQBCKL (D) KNNPBEBL
27. Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.
 (A) 76 : 42 (B) 44 : 16 (C) 55 : 25 (D) 28 : 56
28. If Americans are Red, Japanese are Oranges, Indians are Bright then what is the code for a citizen of Tokyo with Indian origin ?
 (A) Bright Red (B) Red Orange (C) Bright Orange (D) None of the options

Directions (29-30) : In each question below is given a statement followed by two **course of action** numbered (I) and (II). You have to assume everything in the statement to be true and on **the basis** of the information given in the statement, decide which of the suggested course of action logically **follow** (s) for pursuing. Give answer as:

- (A) if only (I) follows
- (B) if only (II) follows
- (C) neither (I) nor (II) follows
- (D) if both (I) & (II) follows

29. Statement : There has been large number of cases of Internet hacking in the recent months creating panic among the internet users.

Course of action :

- (I) : The government machinery should make an all out effort to nab those who are responsible and put them behind the bars.
- (II) : The internet users should be advised to stay away from using internet till the culprits are caught.

- (A) only (I) follows
- (B) only (II) follows
- (C) neither (I) nor (II) follows
- (D) both (I) and (II) follows

30. Statement : The cinema halls are incurring heavy losses these days as people prefer to watch movies in home on TV than to visit cinema hall.

Course of action :

- (I) : The cinema halls should be demolished and residential multistory buildings should be constructed there.
- (II) : The cinema halls should be converted into shopping malls.

- (A) only (I) follows
- (B) only (II) follows
- (C) neither (I) nor (II) follows
- (D) both (I) and (II) follows

SECTION B : ENGLISH

Directions : In questions (31 - 34) some of the sentences have errors and some have none. Find out which part of a sentence has an error, and the appropriate letter (A, B, C) is your answer. If there is no error, D is the answer.

31. The food was excellent and / unusually the menu was concise /
(A) (B)
with enough choice to satisfy most tastes. / No error
(C) (D)
32. As you enter the place, / a magnificent setting, a delightful marriage of antique cut stones /
(A) (B)
and the luxuries of modernity, welcoming you. / No error
(C) (D)
33. Historiography is a meta-level analysis of descriptions of the past /
(A)
usually focuses on the narrative, interpretations, worldview, use of evidence, /
(B)
or method of presentation of other historians. / No error
(C) (D)
34. To buy a house in the village / while lives in the city is a feature of this interconnectivity /
(A) (B)
that blurs in social terms any sharp distinction between city and village or big city and small city. /
(C)
No error
(D)

Directions : In questions (35 - 36), the sentences have been given in Direct / Indirect speech. From the given alternatives, choose the one which best expresses the given sentence in direct or indirect speech as directed :

35. Change the following sentence into indirect speech :
"Who used the secondary source?"
(A) The secondary source was used by me.
(B) She asked who is using the secondary source.
(C) She enquired who had used the secondary source.
(D) She wanted to know who all were reading the secondary source.
36. Change the following sentence into direct speech :
The moderator told him to sit down and to let others speak.
(A) The moderator said, "Sit down and let others speak."
(B) The moderator asked him to sit down and let others speak.
(C) The moderator commanded him, "to sit down and to let others speak."
(D) The moderator commanded him to sit down and to "Let others speak".

Directions : In the questions (37 - 38), the given sentences are in Active / Passive voice. From the given alternatives, choose the one which best expresses the given sentence in active or passive voice as directed :

37. A new book has been published against the hunting of endangered species.
- (A) A new book has been published against endangered species being hunted.
 - (B) Hunting of endangered species is against the new book that has been published.
 - (C) Hunting of endangered species was against the new book that has been published.
 - (D) A new book has been published against endangered species to be hunted.
38. The message would be sorted by Chanda.
- (A) The message is being sorted by Chanda.
 - (B) Chanda is sorting the message.
 - (C) Chanda will sort the message.
 - (D) The message is sorted by Chanda.

Directions : In questions (39 - 42) out of the four alternatives choose the one which can be substituted for the given words/sentence.

39. Art that involves single colour or hue :
- (A) Contemporary Art
 - (B) Kinetic Art
 - (C) Monochrome Art
 - (D) Motley Art
40. Fiction that deals with nature/environment oriented subjects :
- (A) Climate Fiction
 - (B) Eco-fiction
 - (C) Fantasy Novel
 - (D) Historical Fiction
41. An 'extra-terrestrial' is :
- (A) Originating on earth but capable of travelling into space.
 - (B) Something that remains within the terra firma.
 - (C) Something that visits the earth or it's atmosphere.
 - (D) Originating, existing, or occurring outside the earth or its atmosphere.
42. The term 'chiasma' means :
- (A) Point of contact
 - (B) Point of order
 - (C) Point of difference
 - (D) Point of destruction

Directions : In questions (43 – 46), rearrange the following five sentences P, Q, R, S and T in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- P. With the death of Queen Anne in August 1714 and the accession of George I, the Tories were a ruined party, and Swift's career in England was at an end.
- Q. A Tory ministry headed by Robert Harley (later earl of Oxford) and Henry St. John (later Viscount Bolingbroke) was replacing that of the Whigs.
- R. The astute Harley made overtures to Swift and won him over to the Tories.
- S. Swift quickly became the Tories' chief pamphleteer and political writer and, by the end of October 1710, had taken over the Tory journal, *The Examiner*, which he continued to edit until June 14, 1711.
- T. A momentous period began for Swift when in 1710 he once again found himself in London.

43. Which of the sentences should come fourth in the sequence ?

- (A) T (B) S (C) P (D) R

44. Which of the sentences should come fifth in the sequence ?

- (A) S (B) T (C) P (D) Q

45. Which of the sentences should come first in the sequence ?

- (A) S (B) T (C) P (D) R

46. Which of the following should come second in the sequence ?

- (A) S (B) T (C) P (D) Q

Directions : In questions (47- 48) out of the four alternatives choose the most appropriate Synonym to the given word.

47. Preeminent

- (A) Sharp (B) Celebrated (C) Guilty (D) Insignificant

48. Compelling

- (A) Captivating (B) Obnoxious (C) Different (D) Comprehensive

Directions : In questions (49- 51) out of the four alternatives choose the most appropriate Antonym to the given word.

49. Compliant
(A) Submissive (B) Meek (C) Easygoing (D) Combative
50. Atypical
(A) Unique (B) Peculiar (C) Common (D) Special
51. Entrepreneur
(A) Employee (B) Founder (C) Businessperson (D) Leader
52. Choose the most appropriate sentence from the options given below to express the given below sentence in plural.
It is useful for a library to be located away from a noisy building to enable a student to concentrate.
(A) It is useful for libraries to be located away from noisy buildings to enable students to concentrate.
(B) It is useful for libraries to be located away from a noisy building to enable students to concentrate.
(C) It is useful for libraries to be located away from noisy buildings to enable students to concentrates.
(D) It is useful for a library to be located away from noisy buildings to enable a student to concentrate.
53. **Directions :** Without changing the meaning of the given statement, choose the most appropriate option in which the statement is expressed in future tense.
If a cyclist saw an empty stretch, he would speed up.
(A) If a cyclist saw an empty stretch, he will speed up.
(B) If a cyclist sees an empty stretch, he would speed up.
(C) If a cyclist sees an empty stretch, he will speed up.
(D) If a cyclist will see an empty stretch, he will speed up.

Directions : In questions (54 - 55) choose the alternative that is closest to the meaning of the *italicized part* of the sentence from the options given below.

54. As a *rule of thumb*, I always shut down my devices rather than leave them in idle mode.
(A) Rule based on personal experience
(B) Healthy rule
(C) Shortcut
(D) National law

55. Since you didn't study hard, I am afraid you will have to *face the music*.

- (A) Improve your skill (B) Be good in music
(C) Face the insult (D) Face the consequences

Directions (56 to 59) : Identify which part of the sentence contains error and mark it as your answer.

56. The capital of Himachal Pradesh / is situating / 2205 meters above / the sea level.

- (A) The capital of Himachal Pradesh
(B) is situating
(C) 2190 meters above
(D) the sea level

57. The principal along with her staff / are practicing very hard / for the / forth coming Annual Day.

- (A) The principal along with her staff
(B) are practicing very hard
(C) for the
(D) forth coming Annual Day

58. Supposing if / there is a thunder storm / what shall / you do ?

- (A) Supposing if (B) there is a thunder storm
(C) what shall (D) you do ?

59. It was him / who came / running / into the classroom.

- (A) It was him (B) who came (C) running (D) into the classroom

60. Choose the most appropriate adjective used in the given below sentence from the given choices :

Kavery likes to run along the smooth road to keep fit.

- (A) Kavery (B) run (C) smooth (D) road

SECTION C : APTITUDE

61. The digits of a two-digit number are in the ratio of 2 : 3 and the number obtained by interchanging the digits is bigger than the original number by 27. What is the original number ?
 (A) 63 (B) 48 (C) 96 (D) 69
62. It rained as much on Wednesday as on all the others days of the week combined. If the average rainfall for the whole week was 3 cm, then how much did it rain on Wednesday ?
 (A) 2.625 cm (B) 3 cm (C) 10.5 cm (D) 15 cm
63. In an examination, 30% and 35% students respectively failed in history and geography while 27% students failed in both the subjects. If the number of students passing the examination is 248, find the total number of students who appeared in the examination.
 (A) 425 (B) 380 (C) 400 (D) None of these

Directions for (64 and 65) : Read the following information carefully to answer the following questions.
 On the occasion of an opening ceremony of a sports event, in a stadium, there are 600 players who are participating in four different events, that is, Athletics, Table Tennis, Kho-Kho and Lawn Tennis. The ratio of male to female players is 11:4. 30% of the female players are participating in Athletics. 10% of the female players are participating in Table Tennis. The remaining female players are participating in Kho-Kho and Lawn Tennis in the ratio of 1:3. The ratio of male players who are participating in Athletics and other events together is 3:5. 4% of those male players who are not participating in Athletics are participating in Lawn Tennis. Remaining male players are participating in Table Tennis and Kho-Kho in the ratio 5:3.

64. What is the total number of players (both males and females together) participating in Table Tennis and Athletics together ?
 (A) 360 (B) 358 (C) 374 (D) None of these
65. What is the ratio of the male players participating in Lawn Tennis to the female players participating in Table Tennis ?
 (A) 11:72 (B) 11:38 (C) 11:16 (D) None of these
66. In a Km race A can beat B by 80 m and B can beat C by 60 m. In the same race, A can beat C by _____.
 (A) 135.2 m (B) 130.5 m (C) 142 m (D) 132.5 m

67. Two numbers are in the ratio A:B. When 1 is added to both the numerator and the denominator, the ratio gets changed to C/D. Again, when 1 is added to both the numerator and the denominator, it becomes $1/2$. Find the sum of A and B.
 (A) 3 (B) 4 (C) 5 (D) 6
68. At an election, the candidate who got 56% of the votes cast won by 1440 votes. Find the total number of voters on the voting list if 80% people cast their vote and there were no invalid votes.
 (A) 3600 (B) 7200 (C) 18000 (D) 15000
69. In a business, B is a sleeping partner and A is a working partner. A invests 5000 and B invests 6000. A receives 12.5% of profit for managing the business and the remaining amount is divided in proportion to their capitals. A's share of profit in a profit of Rs. 880 is :
 (A) 350 (B) 400 (C) 420 (D) 460
70. What is the remainder when 153×698 is divided by 5 ?
 (A) 1 (B) 2 (C) 4 (D) 3
71. Terms a, 1, b are in arithmetic progression and terms 1, a, b are in geometric progression. Find a and b (given $a \neq b$).
 (A) 2, 4 (B) -2, 1 (C) 4, 1 (D) -2, 4
72. Find the least number that must be added to 7900 to obtain a perfect square.
 (A) 67 (B) 87 (C) 97 (D) 77
73. 3 men earn as much as 4 women; 4 women earn as much as 6 boys and 8 boys earn as much as 10 girls. If a girl earns Rs. 50/- a day then the earning of a man would be _____ ?
 (A) 115 (B) 135 (C) 125 (D) 150
74. The following table shows the number of students enrolled in different streams in a particular college.

| SCIENCE | | HUMANITIES | | COMMERCE | | VOCATIONAL | |
|---------|-------|------------|-------|----------|-------|------------|-------|
| Boys | Girls | Boys | Girls | Boys | Girls | Boys | Girls |
| 32 | 18 | 28 | 45 | 42 | 42 | 13 | 30 |

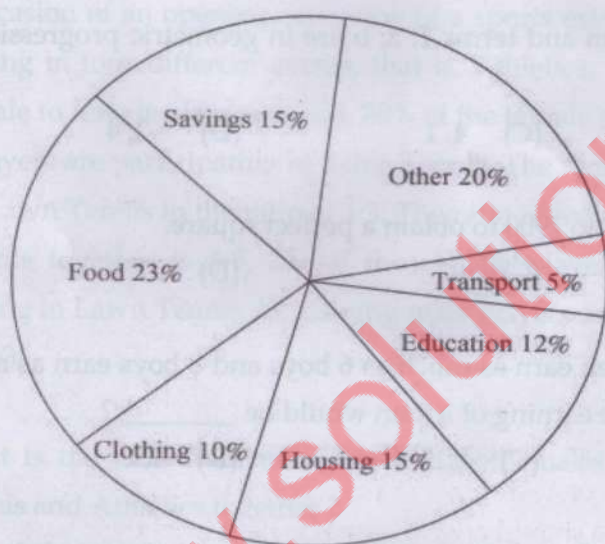
The ratio of the number of girls studying Humanities to the number of girls studying in all other streams is :

- (A) 1:3 (B) 2:1 (C) 1:2 (D) 3:1

75. A cistern has two taps which fill it in 12 minutes and 15 minutes, respectively. There is also a waste pipe in the cistern. When all the pipes are opened, the empty cistern is full in 20 minutes. How long will the waste pipe take to empty a full cistern ?
 (A) 8 minutes (B) 10 minutes (C) 12 minutes (D) 16 minutes
76. The perimeter of a square plot is the same as that of a rectangular plot with sides 35 m and 15 m. The side of the square plot is:
 (A) 25 m (B) 20 m (C) 100 m (D) 50 m
77. Find the smallest number that must be subtracted from 9100 to make it perfect square ?
 (A) 25 (B) 50 (C) 75 (D) 100

Directions for Q 78 to 82 : The circle graph given here shows the spending by a family on various items during the year 1999. Study the graph and answer these questions.

Percent of money spent by a family on various items during 1999.



78. If the total expenditure of the family for the year 1999 was Rs. 46000, the family saved during the year :
 (A) Rs. 1500 (B) Rs. 15000 (C) Rs. 6900 (D) Rs. 3067 approx.
79. If the total amount spent during the year 1999 was Rs. 46000, the amount spent on food was _____.
 (A) Rs. 2000 (B) Rs. 10580 (C) Rs. 23000 (D) Rs. 2300

80. If the total amount spent was Rs. 46000, how much money was spent on clothing and housing together ?
(A) Rs. 11500 (B) Rs. 1150 (C) Rs. 10000 (D) Rs. 15000
81. Graph shows that the maximum amount was spent on :
(A) Food (B) Housing (C) Clothing (D) Others
82. The ratio of the total amount of money spent on housing to that spent on education was :
(A) 5:2 (B) 2:5 (C) 4:5 (D) 5:4

Directions to solve Q. (83 – 87) : Choose the statement that is best supported by the information given in the question passage.

83. Human technology developed from the first stone tools about two and a half million years ago. At the beginning, the rate of development was slow. Hundreds of thousands of years passed without much change. Today, new technologies are reported daily on television and in newspapers. This paragraph best supports the statement that :
(A) Stone tools were not really technology.
(B) Stone tools were in use for two and a half million years.
(C) There is no way to know when stone tools first came into use.
(D) In today's world, new technologies are constantly being developed.
84. In the 1966 Supreme Court decision *Miranda v. Arizona*, the court held that before the police can obtain statements from a person subjected to an interrogation, the person must be given a Miranda warning. This warning means that a person must be told that he or she has the right to remain silent during the police interrogation. Violation of this right means that any statement that the person makes is not admissible in a court hearing. This paragraph best supports the statement that :
(A) Police who do not warn persons of their Miranda rights are guilty of a crime.
(B) A Miranda warning must be given before a police interrogation can begin.
(C) The police may no longer interrogate persons suspected of a crime unless a lawyer is present.
(D) Persons who are interrogated by police should always remain silent until their lawyer comes.
85. Yoga has become a very popular type of exercise, but it may not be for everyone. Before you sign yourself up for a yoga class, you need to examine what it is you want from your fitness routine. If you're looking for a high-energy, fast-paced aerobic workout, a yoga class might not be your best choice. This paragraph best supports the statement that :
(A) Yoga is more popular than high-impact aerobics.
(B) Before embarking on a new exercise regimen, you should think about your needs and desires.
(C) Yoga is changing the world of fitness in major ways.
(D) Yoga benefits your body and mind.

86. During colonial times in America, juries were encouraged to ask questions of the parties in the courtroom. The jurors were, in fact, expected to investigate the facts of the case themselves. If jurors conducted an investigation today, we would throw out the case.

This paragraph best supports the statement that :

- (A) Juries are less important today than they were in colonial times.
- (B) Courtrooms today are more efficient than they were in colonial times.
- (C) Jurors in colonial times were more informed than jurors today.
- (D) The jury system in America has changed since colonial times.

87. Mathematics allows us to expand our consciousness. Mathematics tells us about economic trends, patterns of disease, and the growth of populations. Math is good at exposing the truth, but it can also perpetuate misunderstandings and untruths. Figures have the power to mislead people.

This paragraph best supports the statement that :

- (A) Figures are sometimes used to deceive people.
- (B) Words are more truthful than figures.
- (C) The study of mathematics is more important than other disciplines.
- (D) The power of numbers is that they cannot lie.

88. A woman walks 5 km towards North and then turns to left. After walking 3 km she turns to right and walks 5 km. Now in which direction is she from the starting point ?

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

89. The average of 100 numbers is 60. Numbers 70 & 80 are removed What is the new average ?

- (A) 59.69 (B) 50.69 (C) 11.69 (D) 27.27

90. In a 500 - m race, P runs at 10m/s. If P gives Q a start of 50 m and still wins the race by 5 seconds, find the speed of Q.

- (A) 8 m/s (B) 8.18 m/s (C) 9.01 m/s (D) 9.19 m/s

SECTION D : BASIC MATHEMATICS

91. The digit in the unit place of the number represented by $7^{95} - 3^{58}$ is :
 (A) 0 (B) 4 (C) 6 (D) 7
92. A train enters into a tunnel AB at A and exits at B. A jackal is sitting at O in another by passing tunnel AOB, which is connected to AB at A and B, where OA is perpendicular to OB. A cat is sitting at P inside the tunnel AB making the shortest possible distance between O and P, such that AO = 30 km and PB = 32 km. When a train before entering into the tunnel AB makes a whistle somewhere before A, the jackal and cat run towards A, they meet with accident at the entrance A. The ratio of speeds of jackal and cat is :
 (A) 2:3 (B) 4:3 (C) 5:3 (D) 3:2
93. A, B and C went to market to purchase the rings whose costs are same. But each ring is available with two successive discounts. A, B and C avails two successive discounts at the rate of 5% and 20%, 10% and 15%, 12% and 13% respectively. Who gets the maximum discounts ?
 (A) A (B) B
 (C) C (D) All gets the same discount.
94. The cost of food accounted for 25% of the income of a particular family. If the income gets raised by 20%, then what should be the percentage point decrease in the food expenditure as a percentage of the total income to keep the food expenditure unchanged between two years ?
 (A) 3.5% (B) 8.33% (C) 4.16% (D) 5%
95. A mobile phone is available for Rs.19650 on cash payment or for Rs.3100 cash down payment and three equal annual installments. If the shopkeeper charges interest at the rate of 10% per annum compounded annually. Calculate the amount of each installment.
 (A) Rs. 6655 (B) Rs. 6555 (C) Rs. 6755 (D) Rs. 6855
96. If $\sin x + \sin^2 x = 1$ then $\cos^8 x + 2\cos^6 x + \cos^4 x$ equals to :
 (A) 0 (B) -1 (C) 1 (D) 2
97. **Statement (I) :** 579876543 is divisible by 111
Statement (II) : 6800900181 is divisible by 111
 (A) Both (I) and (II) are true (B) Both (I) and (II) are false
 (C) (I) is true and (II) is false (D) (I) is false and (II) is true
98. Given $A = \sin^2 \theta + \cos^4 \theta$ then for all real values of θ :
 (A) $1 \leq A \leq 2$ (B) $\frac{3}{4} \leq A \leq 1$ (C) $\frac{13}{16} \leq A \leq 1$ (D) $\frac{3}{4} \leq A \leq \frac{13}{16}$
99. A contractor undertakes to build a wall in 50 days. He employs 50 people for the same. However, after 25 days he finds that the work is only 40% complete. How many more men need to be employed to complete the work in time.
 (A) 50 men (B) 75 men (C) 100 men (D) 25 men

100. Mr. Kishan invested money in two schemes A & B offering compound interest 8% per annum and 9% per annum respectively. If the total amount of interest accrued through two schemes together in two years was Rs. 4818.30 and the total amount invested was Rs. 27000. What was the amount invested in scheme A ?
 (A) Rs. 10000/- (B) Rs. 13500/- (C) Rs. 15000/- (D) Rs. 12000/-
101. Which is the closest approximation of $0.3333 \times 0.25 \times 0.499 \times 0.125 \times 24$
 (A) $\frac{1}{8}$ (B) $\frac{3}{4}$ (C) $\frac{3}{8}$ (D) $\frac{2}{5}$
102. A cat takes 5 leaps for every 4 leaps of a dog, but 3 leaps of the dog are equal to 4 leaps of the cat. What is the ratio of the speed of the cat to that of dog ?
 (A) 16:15 (B) 15:11 (C) 11:15 (D) 15:16
103. Subhash can copy 50 pages in 10 hrs, Subhash and Prakash together can copy 300 pages in 40 hrs. In how much time can Prakash copy 30 pages.
 (A) 13 hrs (B) 12 hrs (C) 11 hrs (D) 9 hrs
104. A milkman purchases the milk at Rs. x per litre and sells it at Rs. $2x$ per litre still he mixes 2 litres water with every 6 litres of pure milk. What is the profit percentage ?
 (A) 116% (B) 166.66% (C) 60% (D) 100%
105. If $x = 3 + 3^{\frac{2}{3}} + 3^{\frac{1}{3}}$, then the value of $x^3 - 9x^2 + 18x - 12$ is :
 (A) 1 (B) -1 (C) 0 (D) 2
106. The area of similar triangles ABC & DEF are 144 cm^2 and 81 cm^2 respectively. If the longest side of larger triangle ABC be 36 cm then the longest side of smaller triangle DEF is :
 (A) 20 cm (B) 26 cm (C) 27 cm (D) 30 cm
107. How many digits will be there to the right of the decimal point in the product of 95.75 & 0.02554
 (A) 5 (B) 6 (C) 7 (D) 8
108. In a triangle ABC, $2ac \sin\left[\frac{1}{2}(A - B + C)\right]$ is equal to :
 (A) $a^2 + b^2 - c^2$ (B) $c^2 + a^2 - b^2$ (C) $b^2 - c^2 - a^2$ (D) $c^2 - a^2 - b^2$
109. The vertices of a triangle ABC are A(4, 6), B(1, 5) and C(7, 2). A line is drawn to intersect sides AB and AC at D and E respectively such that $AD : AB = AE : AC = : 4$. Calculate the ratio of area of triangle ADE and area of triangle ABC.
 (A) 1:16 (B) 16:1 (C) 15:16 (D) 1:1
110. In a triangle XYZ, P and Q are points on XY, XZ respectively such that $XP=2PY$, $XQ=2QZ$, then the ratio, of area of ΔXPQ and area of ΔXYZ is :
 (A) 4:9 (B) 2:3 (C) 3:2 (D) 9:4

111. The value of $2 - \left[3 - \left\{ 6 - (5 \div 4 - 3) \right\} \right]$ is equal to :
 (A) 0 (B) 1 (C) 3 (D) -3
112. The ratio of water and milk in a 30 litre mixture is 7:3. Find the quantity of water to be added to the mixture in order to make the ratio 6:1.
 (A) 30 (B) 32 (C) 35 (D) 33
113. If $47.2506 = 4A + \frac{7}{B} + 2C + \frac{5}{D} + 6E$ then the value of $5A + 3B + 6C + D + 3E$ is :
 (A) 53.6003 (B) 53.6031 (C) 153.6003 (D) 213.0003
114. A retailer bought 20 kg tea at a discount of 10% on market price. Besides 1 kg tea was freely offered to him by the wholesaler at the purchase of 20 kg tea. Now he sells all the tea at the marked price to a customer. What is the profit percentage of retailer ?
 (A) 30% (B) 12% (C) 16.66% (D) 10%
115. A pen manufacturing company produces very fine quality of writing pens. Company knows that on an average 10% of the produced pens are always defective, so are rejected before packing. Company promises to deliver 7200 pens to its wholesaler at Rs 10 each. It estimates the overall profit on all manufactured pens to be 25%. What is the manufacturing cost of each pen ?
 (A) Rs. 6 (B) Rs. 5.6 (C) Rs. 8 (D) Rs. 7.2
116. Let n be a natural number such that $\frac{1}{2} + \frac{1}{3} + \frac{1}{7} + \frac{1}{n}$ is also a natural number then which of the following statement is true ?
 (A) 2 divides n (B) 3 divides n (C) 7 divides n (D) $n > 84$
117. A person travels three equal distances at a speed of x km/h, y km/h, z km/h respectively. What will be the average speed during the whole journey ?
 (A) $\frac{xyz}{xy + yz + zx}$ (B) $\frac{xy + yz + zx}{xyz}$ (C) $\frac{3xyz}{xy + yz + zx}$ (D) $\frac{3xyz}{x + y + z}$
118. From a rope of length $38\frac{3}{5}$ m, a piece of length $5\frac{3}{38}$ m is cut off. The length of remaining rope is :
 (A) $190\frac{99}{33}$ (B) $33\frac{90}{190}$ (C) $33\frac{99}{190}$ (D) 1
119. Ram visits recreation club after every five days, Harish visits after every 24 days, while Rajesh goes there after every 9 days. If all three of them met at the club on a Sunday. The days of the week will all three meet again is :
 (A) Sunday (B) Thursday (C) Wednesday (D) Monday
120. A sum of money doubles itself at compound interest in 15 years. In how many years will it become eight times.
 (A) 35 years (B) 45 years (C) 55 years (D) 40 years

SECTION E : ATTITUDE & LEADERSHIP

121. The _____ theory states that human mind will receive or accept only that information which it feels that it is relevant.
- (A) Perception theory (B) Selective Perception
(C) Relevance Theory (D) None of the above
122. From the below which is not an outcome from person having good personality ?
- (A) Good Performer (B) Good team player
(C) Lead a team well (D) Make Profit
123. This style is a one side approach where the leader - manager pays much attention to the security and comfort of the employees but he has low concern for production.
- (A) Impoverished (B) Country club
(C) Dictatorial or Perish (D) The Team or Sound
124. _____ are the theories which gives an idea about what employees wants or needs and what are the key factors the managers can utilize to motivate the employees.
- (A) Maslow theory (B) Herzberg Theory
(C) Process Theory (D) Content Theory
125. In addition to basic managerial functions of planning, organizing, staffing, directing, and controlling, leaders are ascribed :
- (A) Procedural and external roles. (B) Procedural and internal roles.
(C) Strategic and internal roles. (D) Strategic and external roles.
126. _____ are stimulated by events and people external to themselves. They show their feelings, learn by talking and work well in groups.
- (A) Positive personalities (B) Introverts
(C) Extroverts (D) None of the above
127. Outgoing, Talkative, Social are part of _____ Personality Trait as per big 5 personality trait.
- (A) Friendly (B) Openness to experience
(C) Introversion (D) Extroversion
128. _____ commitment refers to an employee's obligation to remain with an organization for moral or ethical reasons.
- (A) Affective (B) Continuance (C) Theoretical (D) Normative

129. _____ is not a capability of an employee having Positive attitude.
(A) Focus (B) Creativity (C) Pessimism (D) Confidence
130. Participation, recognition and power are some of the example of _____.
(A) Extrinsic motivation (B) Intrinsic motivation
(C) Non-financial motivation (D) Financial motivation
131. Sometimes due to any hard situation _____ of an individual will change but will take a long time.
(A) Objective (B) Attitude (C) Motivation (D) Performance
132. The process by which an older and more experienced person helps to socialize and encourage younger organizational colleagues is called _____.
(A) Evaluating (B) Consulting (C) Mentoring (D) Networking
133. The belief that "discrimination is wrong" is a value statement. Such an opinion is the _____ component of an attitude.
(A) Cognitive (B) Affective (C) Reactive (D) Behavioural
134. Which of the following statements about behaviour and attitudes is NOT true ?
(A) Attitudes that are easily remembered are more likely to predict behaviour than attitudes that are not accessible in memory.
(B) Attitudes that individuals consider important tend to show a strong relationship to behaviour.
(C) The attitude-behaviour relationship is likely to be much stronger if an attitude refers to something with which the individual has direct personal experience.
(D) General attitudes have a greater influence on behaviour than specific attitudes.
135. In managerial grid, the style of management depicts the style of a leader who is neither concerned about the people nor does he care about the tasks to be performed is _____.
(A) task management (B) impoverished style
(C) country club (D) team management style
136. A range of management behaviours based on the various ways that task-oriented and employee-oriented styles (each expressed as a continuum on a scale of 1 to 9) is known as :
(A) Bi-dimensional managerial grid
(B) Rectangular managerial grid
(C) Diagonal managerial grid
(D) BCG Matrix

137. Which of the following best describes cognitive dissonance ?
- (A) An emotional attachment to the organization and a belief in its values.
 - (B) Dissatisfaction expressed through behaviour directed toward leaving the organization.
 - (C) Attitudes used after the fact to make sense out of behaviour.
 - (D) Any incompatibility between two or more attitudes or between behaviour and attitudes.
138. The trait approach to leadership suggests that :
- (A) Leaders have special innate qualities.
 - (B) Leadership traits are clearly visible.
 - (C) Traits are based on social class.
 - (D) Traits cannot be measured.
139. _____ are the outcome of _____ and _____, which are always definite.
- (A) Values, realization, understanding
 - (B) Beliefs, emotions, thoughts
 - (C) Intelligence, values, emotions
 - (D) Thoughts, ideas, beliefs
140. The green hat of creativity focuses on :
- (A) Facts and information
 - (B) Creativity
 - (C) Managing thinking process
 - (D) Possibilities
141. The blue hat of creativity focuses on :
- (A) Facts and information
 - (B) Creativity
 - (C) Managing thinking process
 - (D) Possibilities
142. Dependable and Responsible are part of _____ Personality Trait as per big five personality trait.
- (A) Emotional Stability
 - (B) Conscientious
 - (C) Openness to experience
 - (D) Introversion
143. All decision making power is centralised in the leader is under _____.
- (A) autocratic style
 - (B) liberal leader
 - (C) democratic leader
 - (D) institutional leader
144. Groups created by managerial decision in order to accomplish stated goals of the organization are called _____.
- (A) Formal groups
 - (B) Informal groups
 - (C) Task groups
 - (D) Interest groups

145. What are three situational criteria identified in the Fiedler model ?
(A) Job requirements, position power, and leadership ability
(B) Charisma, influence, and leader-member relations
(C) Leader-member relations, task structure, and position power
(D) Task structure, leadership ability, and group conflict
146. Time Stress can't be managed by :
(A) To do lists
(B) Action programs
(C) Setting priorities
(D) Thinking about an action
147. Which path-goal leadership style leads to greater satisfaction when tasks are ambiguous or stressful ?
(A) Directive (B) Supportive (C) Participative (D) Mixed
148. Which role focuses on bringing about order and consistency by drawing up formal plans ?
(A) Leadership (B) Management (C) Task structure (D) Initiating structure
149. In an organization, one can gain valuable perspectives and insights through close association with an experienced person willing to take one under his/her wing. Such an individual is often called a _____.
(A) Supervisor (B) Facilitator (C) Role model (D) Mentor
150. A Process of receiving, selecting, organizing, interpreting, checking and reacting to sensory stimuli or data so as to form a meaningful and coherent picture of the world is :
(A) Attitude (B) Thinking (C) Perception (D) Communication

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