PAPER-II

Signature and Name of Invigilator 1. (Signature) (Name) 2. (Signature) (Name) 3. (In figures as per admission card) Fine: 1 ¼ hours Number of Pages in this Booklet: 12 Instructions for the Candidates 1. Write your roll number in the space provided on the top of this page. 2. This paper consists of fifty multiple-choice type of questions at the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and complisorily examine it as below: (i) To have access to the Question Booklet, ear off the paper seal on the edge of fine over page. Do not accept a booklet will be given to you. In the first 5 minutes, you are requested will be given to you in the first 5 minutes, you are requested will be given to you in the first 5 minutes, or duplicate or not need to open the booklet will be given to you in the first 5 minutes, or the paper seal on the edge of fine over page. Do not accept a booklet will be given to you in the first 5 minutes, or the paper seal on the edge of fine over page. Do not accept a booklet will be given to you in the first 5 minutes, you are requested will be given to you in the first 5 minutes, or the paper seal on the edge of fine over page. Do not accept a booklet will be replaced or in serial order or any other discrepancy should be got replaced immediately by a currect booklet from the invigilator within the period of 5 minutes, Afterwards, neither the Question Booklet will be explaced on the invigilator within the period of 5 minutes, Afterwards, neither the Question Booklet will be entered on the fine first 5 minutes, on the cover page. Faulty booklets and the OMR Sheet. (i) The test booklet on on the OMR Sheet Number 5 hould be entered on the first 5 minutes, on the firs	ENVIRONMENT	TAL SCIENCES							
(Name) 2. (Signature) (Name) Maximum Marks : 100	Signature and Name of Invigilator								
Roll No. (In figures as per admission card) Roll No. (In words) Time: 1 ¼, hours] Number of Pages in this Booklet: 12 Instructions for the Candidates 1. Write your roll number in the space provided on the top of this page. 2. This paper consists of fifty multiple-choice type of questions. 3. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet will be given to you. In the first 5 minutes, on the computation printed on the cover page. Faulty booklets due to pages/questions mising or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (ii) After this verification is over, the Test Booklet (Wimber should be entered on the Course of discrepancy should be entered on the Course of discrepancy should be entered on this feel Booklet. (Win Sheet.) (ii) The test booklet no. and OMR sheet and the OMR Sheet and the OMR Sheet and the OMR Sheet is the standard of the course of discrepancy of the mumber of puts to the course of discrepancy of the mumber of puts to the course of discrepancy of the mumber of puts to the course of discrepancy of the mumber of puts to the course of discrepancy of the proper of the mumber of the course of discrepancy of the mumber of puts of the course of discrepancy of the	1. (Signature)								
2. (Signature) (Name) Time: 1 1 1 1	(Name)	(To be filled by the Candidate)							
(In figures as per admission card) Roll No. (In words) Number of Pages in this Booklet: 12 Instructions for the Candidates 1. Write your roll number in the space provided on the top of this page. 2. This paper consists of fifty multiple-choice type of questions. 3. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet. (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to page-squestions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet. (ii) The test booklet no and OMR sheet and the OMR Sheet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet and the OMR Sheet should immediately report the matter to the invigilator for replacement of the Test Booklet OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4), You have to darken the circle as indicated below on the correct response against each item. Example: (1) ② ④ ④ where (3) is the correct response. Your responses to the innear a to be indicated in the OMR Sheet, it will not be evaluated. Read instructions given inside the Booklet only, If you mark your responses at any place of the from the interies in the OMR Sheet, it will not be evaluated. Read instructions given inside the Booklet only, If you mark your responses a tay place of the from the own the circle in the OMR Sheet, and the OMR Sheet, and the OMR Sheet, and the OMR Sheet, and the OMR Sheet,		Roll No.							
JANS 911 7 Maximum Marks : 100 Maximum Marks : 100 Number of Pages in this Booklet : 12 Number of Pages in this Booklet : 12 Number of Pages in this Booklet : 12 Number of Questions in this Booklet : 50 With your roll number in the space provided on the top of this page. 2. This paper consists of fifty multiple-choice type of questions. 3. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the page read on the edge of this cover page. Do not accept a booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (ii) After this verification is over, the Test Booklet Number of the test Booklet will be replaced on the OMR Sheet and the OMR Sheet Number should be entered on the Most Sheet and the OMR Sheet is booklet on and OMR sheetens should be entered on the office of the replacement of the Test Booklet (WMR Sheet in the obline of the Test Booklet (WMR Sheet in the obline of the Test Booklet office of the relevance of the Test Booklet office of the relev		(In figures as per admission card)							
Mumber of Pages in this Booklet: 12	, ,								
Number of Pages in this Booklet : 12 Instructions for the Candidates Write your roll number in the space provided on the top of this page. 2. This paper consists of fifty multiple-choice type of questions. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept ab booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet. (iii) Aler this verification is over, the Test Booklet Number should be entered on the OMR Sheet as should be entered on the OMR Sheet in the invigilator for replacement of the Test Booklet to Number should be entered on the Sheet Booklet. (iv) The test booklet no. and OMR sheet as should be same. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet only. Sheet is the correct response against each item. Example: ① ② ● ④ ● ● ● ● Propose Sheet of the sheet in the circle in the CMR Sheet will not be evaluated. 6. Read instructions given inside the Booklet only. If you mark your responses to the fiems are to be indicated below on the correct response against each item. Example: ① ② ● ● ● ● Propose Sheet of the sheet of the page and the circle in the CMR Sheet is the correct response against each item. Example: ② ● ● ● Propose Sheet of the sheet of the page and the office of the relevant page and the sheet of the page and th	J A (1) 8 9 1 7	(In words)							
Number of Pages in this Booklet: 12 Instructions for the Candidates 1. Write your roll number in the space provided on the top of this page. 2. This pager consists of fifty multiple-choice type of questions. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet. (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet. (iv) The test booklet no. and OMR sheet and the OMR Sheet now should be same in case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4), You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ② ④ Where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet; it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the relevant entries, which may disclose your identity, or use abusive language or employ any other u		n. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
 Instructions for the Candidates Write your roll number in the space provided on the top of this page. This paper consists of fifty multiple-choice type of questions. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet. Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet. Will a prevail the paper seal on the edge of this cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet. Will a prevail the paper seal of the paper should be entered on the OMR Sheet and the OMR Sheet invited the period of 5 minutes. Afterwards, neither the Question Booklet. Will a prevail the paper seal of the paper seal of the paper seal of the paper should be entered on the Test Booklet Number should be entered on the Test Booklet OMR Sheet. Yill a prevail the paper should be same in case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet OMR Sheet. Each item has four alternative response. You have to darken the									
 Write your roll number in the space provided on the top of this page. This pager consists of fifty multiple-choice type of questions. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the pager seal on the edge of this cover page. Do not accept a booklet without sitcker-seal and do not accept an open booklet. (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet. Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on the OMR Sheet and the OMR Sheet and the OMR Sheet Number should be entered on the Complex of Simultes. Afterwards, neither to Question Booklet in Case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: (1) ② (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4									
this page. 2. This paper consists of fifty multiple-choice type of questions of At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet. (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be entered on the cover bage. Faulty booklets due to pages/questions missing of Upilicate or not in serial order or any other discrepancy should be entered on the Fost Booklet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on the Test Booklet of MR Sheet in the showled immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. Example: ② ② ● ④ **Sheet given inside the Booklet only. If you mark your response a gainst each item. Example: ③ ② ● ④ **Sheet given inside the Booklet only. If you mark your responses to the items are to be indicated below on the correct response against each item. Example: ⑤ ② ● ④ **Sheet given inside the Booklet only. If you mark your responses to the items are to be indicated below on the correct response against each item. Example: ⑥ ② ● ④ **Sheet given inside the Booklet only. If you mark your responses to the items are to be indicated below on the correct response against each item. Example: ⑥ ② ● ④ **Sheet given inside the Booklet only. If you mark your responses to the items are to be indicated in the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language o									
 2. This paper consists of filty multiple-choice type of questions. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet. Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. The test booklet no. and OMR sheet and the OMR Sheet Number should be entered on this Fost Booklet. The test booklet no. and OMR sheet and should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ You responses to the items are to be indicated in the OMR Sheet; will not be evaluated. Read instructions given inside the Pooklet only. If you mark your responses at any place offer than in the circle in the OMR Sheet; will not be evaluated. Read instructions given inside carefully. Rough Work is to be done in the end of this booklet. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using the proper page. Woulbert o		1. इस पृष्ठ के ऊपर नियंत स्थान पर अपनी राल नम्बर लिखिए । 2. इस प्रश्न-पत्र में प्रचास बहविकल्पीय प्रश्न हैं ।							
3. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet. (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced on the OMR Sheet and the OMR Sheet Number should be entered on the MR Sheet Number should be entered on the MR Sheet Number should be entered on the MR Sheet Number should be entered on the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ ④ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		 परीक्षा प्रारम्भ होने पर, प्रश्न-पस्तिका आपको दे दी जायेगी । पहले 							
to open the booklet and compulsorily examine it as below: (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept a booklet without sticker-seal and do not accept an open booklet. (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced on on any extra time will be given. (iii) After this verification is over, the Test Booklet. Number should be entered on the OMR Sheet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on the Correct response against each item. Example: ① ② ● ④ where (3) is the correct response against each item. Example: ① ② ● ④ where (3) is the correct response against each item. Example: ① ② ● ④ where (3) is the correct response against each item. Example: ① ② ● ④ where (3) is the correct response against each item. Example: ① ② ● ④ where (3) is the correct response against each item. Example: ① ② ● ④ where (3) is the correct response against each item. Example: ① ② ● ④ where (3) is the correct response against each item. Example: ① ② ● ④ where (3) is the correct response against each item. Example: ② ● ④ where (3) is the correct response against each item. Example: ② ● ④ where (3) is the correct response against each item. Example: ② ● ④ where (3) is the correct response against each	3. At the commencement of examination, the question booklet will be given to you. In the first 5 minutes, you are requested	पाँच मिन्ट आपको प्रश्न-पुस्तिका खोलने तथा उसकी निम्न्लिखित							
(i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page. Do not accept a booklet without sticker-seal and do not accept an open booklet. (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet. (iv) The test booklet no. and OMR sheet one. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator within the period immediately report the matter to the invigilator of replacement of the Test Booklet. OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your responses at any place ofter than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet to the invisit lating the properties of the pro	to open the booklet and compulsorily examine it as below:								
without stecker-seal and do not accept an open booklet. (ii) Ally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on the Test Booklet Number in Control of the Test Booklet of Sheet, it will not be evaluated. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet to the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using the proposed of the propose of the proposed of the	(i) To have access to the Question Booklet, tear off the paper	को फाड़ लें। खुली हुई या बिना स्टीकर-सील की पुस्तिका							
(ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet and the OMR Sheet and the OMR Sheet no. and OMR sheet no. should be same. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ④ ④ where (3) is the correct responses. 5. Your responses to the items are to be indicated in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, it will not be evaluated. 8. If you write your Same, Roll Number, Phone Number or put any mark on any part of the OMR Sheet except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response or seratching or using white fluid, you will render yourself liable to disqualification. 9. You have to estimate the Ordinal Phase to the part of the OMR Sheet to the invisitors of the Company of the OMR Sheet to the inv	without sticker-seal and do not accept an open booklet.	स्वीकार न करे ।							
page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet. (iv) The test booklet no. and OMR sheet no. should be same. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	(ii) Tally the number of pages and number of questions in	प्रश्नों की संख्या को अच्छी तरह चैक कर लें कि ये परे							
or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on the STest Booklet. (iv) The test booklet no. and OMR sheet no. should be same. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ Where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unifair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. Von batte to evaluate to the invigilators. 9. Where the provided	page. Faulty booklets due to pages/questions missing	है । दोषपणे पस्तिका जिनमे पष्ठ/प्रश्न कम हो या दबारा आ							
correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet. (iv) The test booklet no. and OMR sheet no. should be same. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet. OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ④ ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet Only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. You have to return the Originator will be a provinced to the originator of the test booklet of the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. You have to return that in the Originator will be provided the originator of the test booklet. 9. You have to return that in the originator will be provided the originator of the test booklet. 9. You have to return that in the originator will be referred to the originator	or duplicate or not in serial order or any other	ाय हा या सारियल में ने हा अथात किसा भी प्रकार का विद्यार्ग परिनका स्वीकार ने करें तथा उसी समय उसे							
of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given. (iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet. (iv) The test booklet no. and OMR sheet and should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ where (3) is the correct responses. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. You have to resture the Delicition of the COMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. You have to resture the delicition of the complete the content of t	correct booklet from the invigilator within the period	लौटाकर उसके स्थान पर दूसरी सही प्रश्न-पुस्तिका ले लें ।							
(iii) After this verification is over, the Test Booklet Number should be entered on the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet. (iv) The test booklet no. and OMR sheet no. should be same. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ④ ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. Voulves to return the Original OMP. Sheet to the invigililators.	of 5 minutes. Afterwards, neither the Question Booklet	इसके लिए आपको पाँच मिनट दिये जायेंगे । उसके बाद न							
should be entered on the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet. (iv) The test booklet no. and OMR sheet no. should be same. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. Nouley to return the Original OMP. Sheet to the invigilators will be provided the provided the provided that the own of the own		वा आपका प्रश्न-पुस्तका वापस ला जावना आर न हा आपका अतिरिक्त समय दिया जावेगा ।							
(iv) The test booklet no. and OMR sheet no. should be same. In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. You have to return the Original OMR Sheet, the invisitators. i and (4). You have to return the Original OMR Sheet, the horizontal properties of the matter to the invisitators of the properties of the matter to the invisitators. In the notice and invisit and the original of the original of the properties of the properties of the properties of the properties of the original OMR Sheet, to the invisitators. 14. (iv) प्रशा प्राक्ति मार प्राक्ति मार प्राक्ति के लिए निरिक्ष के ति स्था मार मार स्था मार मार स्था मार मार स्था मार मार मार मार मार मार मार मार मार मा	should be entered on the OMR Sheet and the OMR	(iii) इस जाँच के बाद प्रश्न-पुस्तिका का नंबर OMR पत्रक पर अंकित करें							
In case of discrepancy in the number, the candidate should immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. You have to resture the Original OMP. Sheet to the invigilators for the readour and the invigilators is find that a proposal and the proposal and the proposal and the original of the proposal and the proposal	7.8	और OMR पत्रक का नंबर इस प्रश्न-पुस्तिका पर अंकित कर दे ।							
immediately report the matter to the invigilator for replacement of the Test Booklet / OMR Sheet. 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. O. You have to atken the Crisinel OMR Sheet to the invigilators. **A fent unit and the fat with a thick and the fat with a first and the fat with a		नंबर भिन्न हों. तो परीक्षार्थी प्रश्न-पस्तिका / OMR पत्रक बदलने							
 4. Each item has four alternative responses marked (1), (2), (3) and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ● ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. You have to return the Original OMP Sheet to the invigilence. 		के लिए निरीक्षक को तुरंत सूचित करें ।							
and (4). You have to darken the circle as indicated below on the correct response against each item. Example: ① ② ④ ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. O. You have to return the Original OMR Sheet to the invisciplators.		4. प्रत्येक प्रश्न के लिए चार उत्तर विकल्प (1), (2), (3) तथा (4) दिये गये							
Example: ① ② ④ ④ where (3) is the correct response. 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. O. You have to return the Original OMP Sheet to the invigilators.	and (4). You have to darken the circle as indicated below on	कि नीचे दिखाया गया है :							
where (3) is the correct response. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. O. Ven have to return the Original OMR Sheet to the invigilators.		उदाहरण : (1) (2) ● (4)							
 5. Your responses to the items are to be indicated in the OMR Sheet given inside the Booklet only. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. You have to return the Original OMP Sheet to the invigilators. 		जबिक (3) सही उत्तर है ।							
response at any place other than in the circle in the OMR Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. Very have to return the Original OMP Sheet to the invigilators.	5. Your responses to the items are to be indicated in the OMR	5. प्रश्नों के उत्तर केवल प्रश्न पुस्तिका के अन्दर दिये गये OMR पत्रक पर ही अंकित कराने हैं । यदि आग OMB एनक पर दिये गये वस के अलावा किसी अन्तर							
Sheet, it will not be evaluated. 6. Read instructions given inside carefully. 7. Rough Work is to be done in the end of this booklet. 8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. Very have to return the Original OMP Sheet to the invigilators.		स्थान पर उत्तर चिह्नांकित करते हैं, तो उसका मृत्यांकन नहीं होगा ।							
 Rough Work is to be done in the end of this booklet. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. You have to return the Original OMP Sheet to the invigilators. Zufc आप OMR पत्रक पर नियत स्थान के अलावा अपना नाम, रोल नम्बर, फोन नम्बर या कोई भी ऐसा चिह्न जिससे आपकी पहचान हो सके, अंकित करते हैं अथवा अभद्र भाषा का प्रयोग करते हैं, या कोई अलावा अपना नाम, रोल नम्बर, फोन नम्बर या कोई भी ऐसा चिह्न जिससे आपकी पहचान हो उत्तर को मिटाना या सफेद स्याही से बदलना तो परीक्षा के लिये अयोग्य घोषित किये जा सकते हैं । अपको परीक्षा समाप्त होने पर मूल OMR पत्रक निरीक्षक महोदय को 		6. अन्दर दिये गये निर्देशों को ध्यानपूर्वक पढ़ें ।							
8. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. Vou have to return the Original OMP Sheet to the invigilators.	·								
any mark on any part of the OMR Sheet, except for the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. Very have to return the Original OMP Sheet to the invigilators.									
identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. 9. Von have to return the Original OMP Sheet to the invigilators.		सके, अंकित करते हैं अथवा अभद्र भाषा का प्रयोग करते हैं, या कोई							
means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification. Now have to return the Original OMP Sheet to the invigilators. You have to return the Original OMP Sheet to the invigilators.		अन्य अनुचित साधन का प्रयोग करते हैं, जैसे कि अकित किये गये							
white fluid, you will render yourself liable to disqualification. Now have to return the Original OMP Sheet to the invigilators 9. आपको परीक्षा समाप्त होने पर मूल OMR पत्रक निरीक्षक महोदय को	means, such as change of response by scratching or using								
		9. आपको परीक्षा समाप्त् होने पर मूल OMR पत्रक निरीक्षक महोदय को							
at the end of the examination compulsorily and must not	at the end of the examination compulsorily and must not	लौटाना आवश्यक है और परीक्षा समाप्ति के बाद उसे अपने साथ परीक्षा भवन							
carry it with you outside the Examination Hall. You are, however, allowed to carry original question booklet on									
conclusion of examination.		10. काले बाल प्वाईट पेन का ही इस्तेमाल करें ।							
10. Use only Black Ball point pen.									
11. Use of any calculator or log table etc., is prohibited. 12. There is no negative marks for incorrect answers. 12. There is no negative marks for incorrect answers. 12. गलत उत्तरों के लिए कोई नकारात्मक अंक नहीं हैं।									

JA-089-17 P.T.O.

ENVIRONMENTAL SCIENCES

Paper – II

Note: This paper contains fifty (50) objective type questions of two (2) marks each. All questions are compulsory.

	qu	estions are compulsory.		
1.		ch of the following methods is ge nedical waste?	nerally	y not adopted for the safe disposal or
	(1)	Incineration	(2)	Hydroclaving
	(3)	Landfilling	(4)	Shredding after disinfection
2.		ch of the following prompted the Go	ovt. of	India to enact Environment (Protection)
	(1)	River Ganga Water Pollution	(2)	Endosulfan tragedy in Kerala
	(3)	London Smog	(4)	Bhopal Gas Tragedy
3.		ection and improvement of environm hasized in constitution of India under t		nd safeguarding of forest and wildlife is
	(1)	48 A	(2)	21
	(3)	47	(4)	46
4.	Env	ironmental Relief Fund was established	d unde	er the provisions of
	(1)	The Environment (Protection) Act, 1	986	

Paper-II 2 JA-089-17

The Indian Wild Life (Protection) Act, 1972

The Public Liability Insurance Act, 1991

The Forest (Conservation) Act, 1980

(2)

(3)

(4)

JA-	089-1	7	3		Paper-II
	(3)	Acetaldehyde	(4)	Benzene	
	(1)	Carbonic acid	(2)	Carbon monoxide	
10.	Whi	ch of the following substances is gene	erally n	ot considered toxic ?	
	(3)	Respiration	(1)	namoranization of humas	
	(3)	Respiration	(4)	Mineralization of humus	
	(1)	Decomposition	(2)	Senescence	
9.	Diss	ipative process of energy during phot	osynth	esis in a plant is	
	(3)	fundamental niche	(4)	realized niche	
	(1)	hyper volume niche	(2)	habitat	
8.	A ni	che of the species where there is no co	ompeti	tion from other species is called	
	(3)	Meso-scale phenomena	(4)	Micro-scale phenomena	
	(1)	Synoptic scale phenomena	(2)	Planetary scale phenomena	
7.	Turb	oulent updrafts and downdrafts flows	are an	example of	
	(4)	weak lapse rate conditions exist.			
	(3)	inversion conditions exist above the	stack l	neight.	
	(2)	strong lapse rate conditions exist.			
	(1)	inversion conditions prevail below t	he stac	k height.	
6.		ease of plumes from a tall stack longitude aviour is observed when in the atmosp		on flat terrain 'Lofting' type o	f plume
	(3)	Graben lake	(4)	Glacial lake	
	(1)	Grade lake	(2)	Surface lake	
3.	_	nown as	n or u	e earth's crust between two paran	er raurts
5.	A ty	pe of lake that forms in the depressio	n of th	e earth's crust between two parall	el faults

Pape	er-II		4	JA-089-17
	(3)	Tapir	(4)	Mongoose
	(1)	Gorilla	(2)	Pangolin
16.	whic	e		in Endangered species (CITES) COP 17, n CITES Appendix II to Appendix I by
	(3)	Pond heron	(4)	White backed Vulture
	(1)	Sparrow	(2)	Pink-headed Duck
15.	Acc	ording to ZSI (GOI), which one of the	follov	ving birds declined by 99% ?
	(3)	decreases	(4)	makes the water turbid
	(1)	remains unchanged	(2)	increases
14.	With	n increase in temperature, the specific	condu	ctivity of water
	(3)	BOD ₇	(4)	TOC
	(1)	COD	(2)	BOD ₅
13.	The	technique, which is fastest for measur	ing or	ganic carbon is,
	(3)	Halons	(4)	CFCs
	(1)	Dioxin	(2)	Carbon monoxide
12.	Amo	ong the following, which one is the mo	ost haz	ardous chemical in the atmosphere ?
	(3)	50%	(4)	80%
	(1)	90%	(2)	10%
11.	Perc	entage of tropospheric ozone in relation	on to to	otal atmospheric ozone is about

JA-	089-1	7	5	Paper-II
	(4)	System tends to collapse completely	•	
	(3)	Energy flow decreases.		
	(2)	System tends to be unstable.		
	(1)	Food chain length tends to increase.		
22.	As t	he number of species in a food web inc	crease	S
	(3)	Jet Streams	(4)	Shallow drifts
	(1)	Trade winds	(2)	Gyres
21.		global pattern of prevailing winds dr	rives tl	ne cell – like circulation pattern of ocean
	(3)	Compensation point	(4)	Complementary point
	(1)	Equal point	(2)	Regulatory point
20.		point at which the light intensity is juch equal to the energy used in respirati		ough to produce energy by photosynthesis called
	(4)	Semi-humid and rainy environment		
	(3)	Temperature environment		
	(2)	Humid and low temperature environ	ment	
	(1)	Arid and hot environment		
19.	C ₄ p	plants are commonly found in		
	(3)	Gravitational water	(4)	Capillary water
	(1)	Surface water	(2)	Hygroscopic water
18.	Soil	water available to roots is		
	(3)	Gamma diversity	(4)	Sigma diversity
	(1)	Alpha diversity	(2)	Beta diversity
17.	1 ax	onomic diversity of a region with seve	ral ecc	systems is:

Pape	er-II		6	JA-089-17
	(4)	Olivine, Pyroxene, Hornblende, Mica	a, Qua	artz
	(3)	Hornblende, Olivine, Mica, Pyroxene	e, Qua	artz
	(2)	Olivine, Pyroxene, Hornblende, Mica	a, Qua	artz
	(1)	Pyroxene, Hornblende, Olivine, Mica	a, Qua	artz
	from	a deep source. Which among the follo	owing	is Bowen's Reaction Series?
27.	Mag	ma starts to crystallise when it loses	heat	during its upward rise to shallower level
	(3)	(a), (b) and (c) only	(4)	(a), (b), (c) and (d)
	(1)	(a) only	(2)	(a) and (b) only
	Cho	ose the correct code:		
	(d)	specific retention capacity		
	(c)	specific yield		
	(b)	Permeability		
	(a)	Porosity		
26.	Grou	andwater movement depends on the fo	llowin	ng characteristics of rock materials.
	(3)	New Delhi	(4)	Colombo
	(1)	Bangkok	(2)	Beijing
25.	Asia held		Kisk b	Reduction – 2016 (AMCDRR – 2016) was
25	A -:-	n Ministerial Conference Disease	Diala F	2016 (AMCDDD 2016)
	(3)	Geo-synchronous orbit	(4)	Equatorial orbit
	(1)	Elliptical orbit	(2)	Sun-synchronous orbit
24.	Rem	ote sensing satellites for earth observa	tion a	re normally located in
	(3)	111 km	(4)	121 km
	(1)	91 km	(2)	101 km
23.	Each	i degree of latitude on the earth's surfa	ice rep	presents approximately

28.		000 MW dam has maximum head of 2 nes? (Neglect losses)	200 m	. What is the rate of falling water on the
	(1)	$\sim 102.00 \text{ m}^3/\text{s}$	(2)	$\sim 1560.24 \text{ m}^3/\text{s}$
	(3)	~ 1020.41 m ³ /s	(4)	$\sim 800.00 \text{ m}^3/\text{s}$
29.	-	odro power plant has a reservoir storage 00 m. What is its potential energy?	e capa	acity of 2×10^3 m ³ and its maximum head
	(1)	~ 10 PJ	(2)	~ 18.6 PJ
	(3)	~ 27.5 PJ	(4)	~ 49 PJ
20	TD1		11 '	
30.		maximum efficiency of hydrogen fuel		
	(1)	0.96	(2)	0.92
	(3)	0.83	(4)	0.72
31.		biogas digestor having biomass and uction, the value of pH should be such		al wastes as feed, for optimum methane
	(1)	pH is in the range 6.6 to 7	(2)	pH < 6.2
	(3)	pH is in the range 7 to 7.2	(4)	pH is in the range 7.6 to 8
32.		ch of the following statements is true is sor plastic) above the absorber plate?		cion to solar flat plate collectors ? Glazing
	(1)	Reduces convection losses		
	(2)	Reduces conduction losses		
	(3)	Reduces conduction and radiation los	ses	
	(4)	Enhances the absorption of solar radi	ation (onto the absorber plate.
TA_	089-1	7	7	Paner-II

33.	Mar	ine pollution is caused by		
	a.	Sewage		
	b.	Land runoff		
	c.	Oil spills		
	d.	Ocean mining		
	Cho	ose the correct code:		
	(1)	a, c, and d only	(2)	c and d only
	(3)	a, b, c and d	(4)	d, c, b only
34.	Whi	ch of the following wave properties is	s <u>not</u> ta	ken advantage of in controlling noise?
	(1)	Absorption	(2)	Damping
	(3)	Interference	(4)	Diffraction
35.		2	ne strat	osphere, does not occur in the troposphere
	-	roduce ozone due to		
	(1)	lower tropospheric temperature	(2)	absence of λ < 242 nm radiation
	(3)	high air pressure	(4)	high gas molecule concentrations
36.	The	most important global sink process for	or aeros	sols is
	(1)	Interception	(2)	Sedimentation
	(3)	Impaction	(4)	Wet deposition
37.		tify the correct sequence with refere ects:	nce to	environmental clearance process for new
	(1)	Appraisal \rightarrow Screening \rightarrow Scoping	→ Pu	blic Consultation
	(2)	Screening \rightarrow Scoping \rightarrow Public Con	nsultat	ion → Appraisal
	(3)	Scoping \rightarrow Public Consultation \rightarrow A	Apprai	sal → Screening
	(4)	Public Consultation → Appraisal →	Scree	$ning \rightarrow Scoping$
Pape	er-II		8	JA-089-17

38.	Whi	ch of the follow	ving elements has the lo	ongest	oceanic residence time ?	
	(1)	Iron		(2)	Lead	
	(3)	Calcium		(4)	Sodium	
39.	The	purpose of offs	shore islands is focussed	d for s	ite or landscape restoration to	
	(1)	provide linka	ge between movement	and ge	enetic interchange of species.	
	(2)	foster popular	tions of endangered spe	cies w	vithout native or introduced predators.	
	(3)	increase the a	vailability of habitats.			
	(4)	increase the s	tabilization of surface c	cover a	and protect the animal corridor on land.	
40.	Mato	ch the List-I an		orrect	answer from the codes given below:	
		List – I	List – II	J.	V ,	
		(Series)	(Life Cycle Anal	ysis)	(HIII)	
	(a)	ISO 14040	(i) Interpretation		.7	
	(b)	ISO 14041	(ii) Impact assessmen	ıt		
	(c)	ISO 14042	(iii) Principles and fra	mewo	rk	
	(d)	ISO 14043	(iv) Inventory Analysi	is		
	Cod					
		(a) (b) (c)) (d)			
	(1)	(i) (ii) (iii) (iv)			
	(2)	(iv) (iii) (ii) (i)			
	(3)	(i) (iv) (ii) (iii)			
	(4)	(iv) (i) (iii) (ii)			
JA-	089-1	7		9	Paper	r-I

Pape	er-II		10	JA-089-17
	(3)	4	(4)	20
	(1)	3	(2)	5
	1, 2,	3, 5, 8 and 100; is		
45.	The	median value of the following data:		
	(3)	0.72	(4)	0.52
	(1)	0.85	(2)	0.67
44.		multiple regression analysis, if the vance of the residue is 0.52, then R-square		te of the observed variable Y is 1.57 and
	(3)	Severe drought	(4)	Sex ratio
	(1)	Predation	(2)	Territoriality
43.		ch one of the following is a density ral population?	– inde	ependent factor that limits the size of the
	(3)	Histogram	(4)	Box plot
	(1)	stem and leaf plot	(2)	Pie chart
42.	A gr	raphical representation where frequence	ies are	e plotted against class intervals is called
	(3)	a, b and c	(4)	b and c only
	(1)	a only	(2)	b only
	Cho	ose the correct code :		
	c.	Contingent valuation		
	b.	Travel cost		
	a.	Hedonic pricing		
41.	Whi	ch of the following can be used for va	luing e	environmental amenities ?

JA-	089-1	7	11	Paper-II
	(3)	a, c and d only	(4)	b, d and a only
	(1)	a, b and c only	(2)	b, c and d only
		ose the correct answer:		
	d.	concentration of the substance.		
	c.	its number of carbon molecules.		
	b.	its residence time in atmosphere.		
	a.	the spectral band of its absorbing wa	veleng	gths.
50.	The	Global Warming Potential (GWP) of a	a subs	tance depends on
	(4)	Rainfall deficit is between 15-25 per	cent o	f the normal.
	(3)	Rainfall deficit exceeds 25 percent o	f the n	normal.
	(2)	Deficit of rainfall varies between 25-	-45 pe	rcent of the normal.
	(1)	Deficit of rainfall is more than 50 pe	rcent o	of the normal.
49.	Seve	ere drought is declared if		
	(3)	absence of macrophytic vegetation	(4)	excess of dissolved oxygen
	(1)	abundant algal growth	(2)	oxygen depletion
	with			
48.			xious	gases such as H ₂ S and CH ₄ is associated
	(3)	Malaysia	(4)	Indonesia
	(1)	Morocco	(2)	South Africa
47.		climate meet COP-22 was held in whi		•
	` /		` '	
	(3)	Strongly saline soil	(4)	Eroded soil
	(1)	Acidic soil	(2)	Weak saline soil
40. Exchangeable sodium percentage (ESP) > 40, and pH > 9.8 are characteristic				ia pri > 9.8 are characteristic of

Space For Rough Work

