JUNIOR SUPERINTENDENT– COMPUTER EFFICIENCY TEST

DATE: 15-11-2018   TIME : 90 MINUTES   MAXIMUM MARKS : 60

1. Create folder with your Application No. in the Desktop of your assigned computer.
2. Inside the main folder, create TWO sub folders, one for each of the TWO questions given. Each sub-folder name is as follows:
    Application No_question_Number
3. After completion, compass (zip) the main folder that is named as your Application Number.
4. Kindly note that, your complete work must be placed in this main folder. Work placed anywhere else (other folders of your computer) will not be considered for evaluation.

Question No. 1   40 Marks

Scenario for the presentation: In a 7th semester B.Tech class of size 50 students, there are 32 male students. In a term exam, 27 students have passed in Subject-A, out of which 10 are male students. 11 students have failed in Subject-B, out of which 5 are female students. 35 students including all of the male students have passed in Subject-C. Create a nice presentation describing the Class, pass percentage of different subjects, pass percentage of male and female in respective subjects.

Power point properties to be used:

1. Use "Fade" transitions between the slides.
2. Slide 1: Title slide: Use appropriate title, author name (your name), and Today's date in the centre of the slide.
3. Header: On the top-right corners of all of the non-title slides, show Today's date.
4. Footer: On the bottom centre of all of the non-title slides, show "IIT Tirupati".
5. Footer: On the bottom right corner of all of the non-title slides, show the slide number.
6. Slide 2: Use this as an introductory slide to very briefly describe the scenario being presented.
7. Slide 3: Use an appropriate table to show the details of the class including size, male students strength, and female students strength.
8. Slide 4: Use an appropriate 3D Pie chart that shows subject-wise pass percentage. Data labels should be shown. Mouse over to each pie should show the subject name and value. Apply 5% pie explosion.
9. Slides 5, 6, and 7 (for respective 3 subjects): Use appropriate 2D column chart (with trend line) to show subject-wise male and female pass percentage.
10. Slide 8: Last "Thank You" slide, create a composite (grouped) shape consisting of overlapped Triangle, rectangle, and circle. Animate this composite shape and move this shape in an S-shaped fashion (inside the slide area). Subsequently, a "Thank You" Word Art text with outer right shadow, has to be animated in a "fly in" fashion into the slide (from outside to the centre of the slide).
11. Along with the power point slide source and other excel data files (if any), also submit the PDF version of the final presentation.
12. Using notes section of the slides, create notes in each of the slides, explaining the information and data computed in the slides.

Note: i) Cosmetic details of the presentation will carry weightage. ii) Accuracy of the chart, and data used will carry weightage.

End of Q.No. 1.

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Question No. 2   20 Marks

From the following table and instructions given below please prepare the salary bill for the month of October, 2018 inrespect of the following faculty.

S.No.	Designation	6th CPC	7th CPC
1	Director	80000	225000
2	Professor A	79000	190000
3	Professor B	79000	190000
4	Professor C	79000	190000
5	Professor D	79000	190000
6	Asso.Professor	65000	148000
7	Asst.Professor	47000	101000
8	Asst.Professor	47000	101000
9	Asst.Professor	47000	101000
10	Dy.Librarian	52000	132800

By extending the columns for deductions please prepare the salary bill
Dearness Allowance is payable at 9% of the 7th (Seventh) CPC Basic pay
Director is contributing 8.3% of his 7th CPC Basic pay as Provident Fund
All the Professors are reemployed. Hence there is no P.F.
For Associate Professors and Assistant Professors, an amount equal to 10% of their 7th CPC basic pay has to be deducted towards New Pension Scheme (NPS)
Under deductions the following deductions may be made :
1) Profession Tax Rs.200 for all the Officers
2) Income Tax at 20% of the Basic pay for all officers.
Arrive at the total deductions and by deducting the total deductions from the Gross Salary arrive at the net salary for the above officers.
For Director Free furnished accommodation is provided. Hence no HRA.
For all other Officers HRA @10% of the 6th CPC has to be paid.

Note: Formulas have to be used in Excel which would be verified in the answer in the system. Entering the values by any other means will not be allowed.

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INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

भारतीय प्रौद्योगिकी संस्थान तिरुपति

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SUBJECTIVE TEST

JUNIOR SUPERINTENDENT

DATE: 15-11-2018   DURATION : 90 MINUTES   MAXIMUM MARKS: 60

1. Answer all the questions.
2. Candidates are not allowed to carry any papers, notes, books, cellular phones, calculators etc. Any candidate found using or in possession of such unauthorized material or involved in copying or impersonation or adopting unfair means or behaviors will be disqualified and may be subjected to penal action.
3. Write Your name and Roll number on the answer sheet. Please don't write your name in the additional sheet.
4. Use the last page of answer book let for rough work.
5. Please hand over the question paper and answer booklet to the Invigilator.

1	What are the LTC entitlement of a fresh recruit? How will the LTC entitlements of a fresh recruit be exercised after the completion of eight years of service?	05 marks
2	What are the various types of leave entitlements to the Central Government Employees which are debitable and not debitable to their leave accounts	05 marks
3	Prepare Earned Leave and Half Pay Leave Account of Mr XYZ as on 01-01-2018 with the following data. Joined on 02-08-2015 Availed EL from 02-01-2016 to 05-01-2016 Availed Extra Ordinary Leave on private grounds from 02-09-2016 to 15-10-2016 Availed commuted leave on medical grounds from 02-11-2016 to 06-11-2016 Availed EL from 03-04—2017 to 15-04-2017	10 marks
4	Briefly explain at least four standards of financial propriety as prescribed under GFRs.	05 marks
5	Please mention the source of funds to the IITs as mentioned in the GFRs	05 marks

6	IIT Tirupati is going to procure a High Performance Computing Facility worth of Rs.3.00 crores. What type of Tender has to be floated by the IIT. Please draft the Tender notice with due dates and the procedure to be adopted for this type of procurement.	10 Marks
7	Write a letter to the Municipal Commissioner, Tirupati requesting him to operate more buses from the Yerpedu bus stand to Tirupati town to facilitate the easy commutation of the students from the IIT Tirupati permanent campus. Also request him to ensure proper lighting arrangements in the vicinity of the permanent campus of the Institute where occasionally students are falling prey to the local thieves (furnish other necessary details on your own)	10 marks
8	Suppose you are assisting a committee that has been formed to submit a feasibility report to start a KV school on the permanent campus. The committee finds the place suitable and recommends the Institute to go ahead with the plan. On behalf of the committee, write a feasibility report to establish a KV school in the permanent campus of the Institute highlighting the positive aspects of the plan that support the recommendation (furnish other necessary details on your own)	10 marks

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