

**B****B.Tech. DEGREE EXAMINATION, MAY 2018****15 PD 302 – EMPLOYABILITY SKILLS****(For the Candidates Admitted during the Academic Year 2015-2016,  
and 2016-2017)****212726****Question Booklet Number****Time : 120 Minutes****Max. Marks : 100****Name of the Candidate :** \_\_\_\_\_**Register Number :**

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**Signature of the Candidate :** \_\_\_\_\_**INSTRUCTIONS TO THE CANDIDATE****SEAL**

1. The Question Booklet contains 80 Questions.
2. **ANSWER ALL the questions. This paper contains TWO parts.**
3. **CALCULATORS OR ANY OTHER MATHEMATICAL DEVICES ARE NOT ALLOWED.**
4. Write your **NAME, REGISTER NUMBER** and put your **SIGNATURE** in the places specified on the first page of this Question Booklet.
5. Do not open this Question Booklet until the Hall Superintendent signals the commencement of the examination.
6. Check whether the Answer Sheet and the Question Booklet are in good condition. If not, before writing anything on the Answer Sheet, ask for the replacement of the Question Booklet/Answer Sheet.
7. Write and shade your **REGISTER NUMBER**, in the specified place in the **OMR** coding sheet.
8. Write and shade the question paper version code in the specific place in the **OMR** coding sheet.
9. Answer should be shaded with **BLUE** or **BLACK BALL PEN** in the coding sheet.
10. All instructions given in the **OMR** coding sheet should be strictly followed.
11. Use Answer Sheet carefully. No spare Answer Sheet will be given.
12. The answer should be given only in the Answer Sheet.
13. The last few pages of the Question Booklet are blank, except for the words 'Rough Work'. You can use them for any rough calculations.

## ROUGH WORK



**PART – A**

**(50 Marks)**

**Instructions :** (i) Question No. 1 to 10 carries **two marks each**.

(ii) Question No. 11 to 40 carries **one mark each**.

1. The cost price of 20 articles is the same as the selling price of  $x$  articles. If the profit is 25% then the value of  $x$  is  
(A) 15                      (B) 16                      (C) 18                      (D) 25
2. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is ₹ 1. The sum (in ₹) is  
(A) 625                      (B) 630                      (C) 640                      (D) 650
3. Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top of the lighthouse is observed from the ships are  $30^\circ$  and  $45^\circ$  respectively. If the lighthouse is 100 m high, the distance between the two ships is  
(A) 173 m                      (B) 200 m                      (C) 273 m                      (D) 300 m
4. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs ?  
(A) 6.25                      (B) 6.5                      (C) 6.75                      (D) 7
5. In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together ?  
(A) 360                      (B) 480                      (C) 720                      (D) 5040
6. On multiplying a number by 7, the product is a number each of whose digits is 3. The smallest such number is  
(A) 47619                      (B) 47719                      (C) 48619                      (D) 47649
7. If the number  $653xy$  is divisible by 90, then  $(x + y) = ?$   
(A) 2                      (B) 3                      (C) 4                      (D) 6
8. If  $\log 2 = 0.3010$  and  $\log 3 = 0.4771$ , the value of  $\log_5 512$  is  
(A) 2.870                      (B) 2.967                      (C) 3.876                      (D) 3.912
9. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child ?  
(A) 4 years                      (B) 8 years                      (C) 10 years                      (D) 9 years
10. A batsman scored 110 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets ?  
(A) 45%                      (B)  $45\frac{5}{11}\%$                       (C)  $54\frac{6}{11}\%$                       (D) 55%

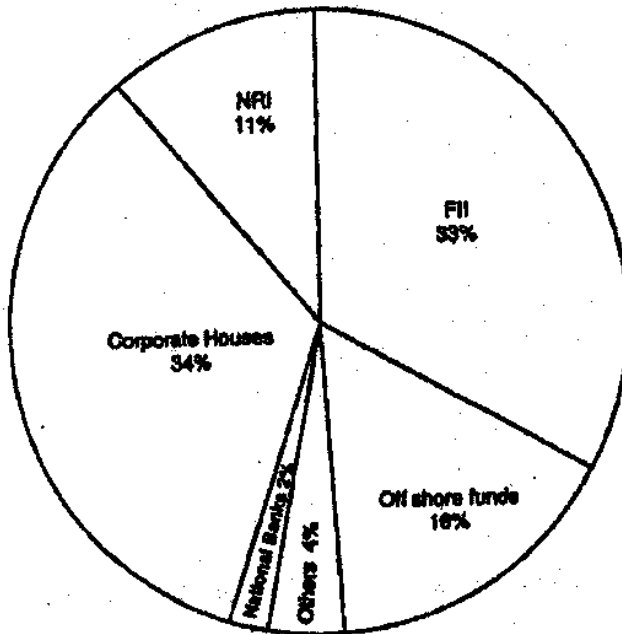


**Directions (Q. No. 11 to 15) : In each of the questions below consists of two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Give answer.**

- (A) If the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.
  - (B) If the question can be answered by using either statement alone.
  - (C) If the question can be answered by using both statements together but cannot be answered by using either statement alone.
  - (D) If the question cannot be answered even by using both the statements together.
11. In which year was Rahul born ?
    - I. Rahul at present is 25 years younger to his mother.
    - II. Rahul's brother who was born in 1964, is 35 years younger to his mother.
  12. What will be the total weight of 10 poles, each of the same weight ?
    - I. One fourth of the weight of each pole is 5 kg.
    - II. The total weight of three poles is 20 kg more than the total weight of two poles.
  13. How much was the total sale of the company ?
    - I. The company sold 8,000 units of product A each costing ₹ 25.
    - II. This company has no other product line.
  14. The last Sunday of March, 2006 fell on which date ?
    - I. The first Sunday of that month fell on 5<sup>th</sup>
    - II. The last day of that month was Friday.
  15. How is X related to Y ?
    - I. Y says "I have only one brother".
    - II. X says "I have only one sister".

Directions (Q. No. 16 to 20) : The following pie chart shows the amount of subscriptions generated for India bonds from different categories of investors.

Subscription Generated for India Bonds



16. If the investments by NRI's are ₹ 4,000 crore, then the investment by Corporate Houses and FII's together is ?  
 (A) ₹ 24,000 crore (B) ₹ 24,363 crore  
 (C) ₹ 25,423.4 crore (D) ₹ 25,643.3 crore
17. What percentage of the total investment is coming from either FII's or NRI's ?  
 (A) 33% (B) 11% (C) 44% (D) 22%
18. If the total investment other than by FII and Corporate Houses is ₹ 3,35,000 crore, then the investment by NRI's and Off shore funds will be (approximately)  
 (A) ₹ 2,74,100 (B) ₹ 2,85,600  
 (C) ₹ 2,93,000 (D) cannot be determined
19. What is the approximate ratio of investment flows in to India Bonds from NRI's to Corporate Houses ?  
 (A) 1 : 4 (B) 1 : 3  
 (C) 3 : 1 (D) cannot be determined





30. Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is  
(A) 2 : 5 (B) 3 : 5 (C) 4 : 5 (D) 6 : 7
31. In what ratio must a grocer mix two varieties of pulses costing ₹ 15 and ₹ 20 per kg respectively so as to get a mixture worth ₹ 16.50 per kg ?  
(A) 3 : 7 (B) 5 : 7 (C) 7 : 3 (D) 7 : 5
32. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is  
(A)  $\frac{1}{4}$  (B)  $\frac{1}{10}$  (C)  $\frac{7}{15}$  (D)  $\frac{8}{15}$
33. Pipes A and B can fill a tank in 5 and 6 hours respectively. Pipe C can empty it in 12 hours. If all the three pipes are opened together, then the tank will be filled in  
(A)  $1\frac{13}{17}$  hours (B)  $2\frac{8}{11}$  hours (C)  $3\frac{9}{17}$  hours (D)  $4\frac{1}{2}$  hours
34. A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream.  
(A) 2 hours (B) 3 hours (C) 4 hours (D) 5 hours
35. The diagonal of a rectangle is  $\sqrt{41}$  cm and its area is 20 sq.cm. The perimeter of the rectangle must be  
(A) 9 cm (B) 18 cm (C) 20 cm (D) 41 cm
36. Find the odd one out :  
8, 27, 64, 100, 125, 216, 343  
(A) 27 (B) 100 (C) 125 (D) 343
37. Reptile is to lizard as flower is to  
(A) petal (B) stem (C) daisy (D) alligator
38. SCD, TEF, UGH, \_\_\_\_\_, WKL.  
(A) CMN (B) UJI (C) VIJ (D) IJT
39.  $P_5QR$ ,  $P_4QS$ ,  $P_3QT$ , \_\_\_\_\_,  $P_1QV$ .  
(A) PQW (B)  $PQV_2$  (C)  $P_2QV$  (D)  $PQ_3V$
40. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother". How is Suresh related to that boy ?  
(A) Brother (B) Uncle (C) Cousin (D) Father

**PART – B****(50 Marks)**

**Instructions :** (i) Question No. 41 to 50 carries two marks each.

(ii) Question No. 51 to 80 carries one mark each.

**Rearrange the following sentences to form a coherent paragraph. Sentences 1 and 6 are in correct position.**

41. 1. Our life is full of ups and downs.

P. They too had problems in their lives.

Q. When we face failures we are often disheartened.

R. They fought against all odds and achieved success.

S. The lives of great men inspire us.

6. By following them we can overcome crises.

(A) SQPR

(B) PSQR

(C) SPRQ

(D) QSPR

42. 1. In the first years on his reign, Ashoka was an autocrat.

P. The effect over the slaughter on his mind was profound.

Q. He was successful but thousands were slain in the battle.

R. About the ninth year he decided to conquer Kalinga.

S. This caused a sudden change of his heart.

6. And joined the Buddhist community and become a monk.

(A) RPQS

(B) RSPQ

(C) RQSP

(D) RQPS





**Read the argument and answer the questions that follow.**

43. Building codes required all public buildings constructed after 1980 to have reinforced steel bomb shelters installed.

From which of the following can the statement above be inferred ?

- (A) Public buildings had to install reinforced-steel bomb shelters after 1980.
- (B) No bomb shelters other than reinforced steel shelters were installed in public buildings after 1980, but all public buildings constructed after 1980 were required to have bomb shelters.
- (C) Some public buildings constructed before 1980 had installed bomb shelters.
- (D) Bomb shelters were not required in public building before 1980, but some were installed voluntarily.

44. In 1950, the average child visited the dentist once a year; by 1970, the number of visits had increased to two. Today, the average child visits the dentist thrice a year.

Each of the following, if true, could explain this trend except.

- (A) Dentist fees have declined over the period.
  - (B) Better home care of teeth has reduced the number of cavities.
  - (C) Dental care has become less painful.
  - (D) Parents are more aware of the importance of dental care.
45. During 1999, advertising expenditures on canned food products increased by 20 percent, while canned food consumption rose by 25 percent.

Each of the following if true, could help explain the increase in food consumption except.

- (A) Per-capita consumption of frozen foods declined.
- (B) Canned food prices decreased relative to substitutes.
- (C) Canned food products were available in more stores.
- (D) Can opener production doubled.



***In each of the questions below, four different ways of writing a sentence/the underlined Part are indicated. Choose the best way of writing the sentence.***

46. The government requires that these forms should be submitted before the end of the financial year.
- (A) that these forms should be submitted
  - (B) that these forms be submitted
  - (C) for these forms to be submitted
  - (D) these forms submission
47. A conjunction is used to connect words and sentences together.
- (A) words and sentences together
  - (B) words or sentences together
  - (C) words and sentences
  - (D) words or sentences
48. Between you and I, I doubt that he will come.
- (A) and I, I doubt that he will come
  - (B) and I, I doubt that he would come
  - (C) and me, I doubt that he will come
  - (D) and me, I doubt that he would come

***Choose the pair that has the similar relationship with that of the question pair.***

49. Germ : Disease
- (A) Man : Woman
  - (B) War : Destruction
  - (C) Doctor : Medicine
  - (D) Owner : Shop
50. Helmet : Head
- (A) Pedal : Foot
  - (B) Gun : Hand
  - (C) Breastplate : Chest
  - (D) Pendant : Neck

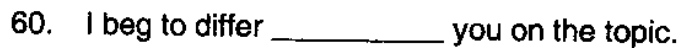


**Identify the part of the sentence that contains an error. If there is no error, choose "No error" option :**

51. Until you do not go to the station (A) / to receive him (B) / I can hardly feel at ease (C) / No error (D).
52. Lack of winter rains (A) / have delayed the sowing of (B) / wheat crop in this area (C) / No error (D).
53. He goes (A) / to office (B) / by foot (C) / No error (D).
54. He has been going to the office (A) / for a year now, (B) / and he can't understand its working (C) / No error (D).
55. As an officer (A) / he not only was competent (B) / but also honest (C) / No error (D).

**Choose the option that best completes the sentence semantically / grammatically :**

56. Corruption is \_\_\_\_\_ in our society; the integrity of even senior officials is \_\_\_\_\_  
(A) growing, unquestioned (B) endangered, disputed  
(C) rife, suspect (D) rare, corrupted
57. Upon hearing the \_\_\_\_\_ argument for the opposition, Mr. Algene felt \_\_\_\_\_ that he would win the debate.  
(A) substantial, sure  
(B) deplorable, convinced  
(C) tenuous, confident  
(D) hardly, positive
58. Don was the most \_\_\_\_\_ individual I had ever met; good fortune eluded him at every turn.  
(A) hapless (B) ignominious  
(C) contentious (D) venerable
59. The writer accuses the government \_\_\_\_\_ resorting to violence.  
(A) of (B) for (C) with (D) on



61. If you do not leave now, you \_\_\_\_\_ the last train.

- Choose the synonym of the underlined word :**

## 62. Outlandish

63. Tantalize

64. Abstruse

65. David turned out to be a dexterous key board player.

66. The citizens criticised the government for its lassitude

67. Crimes are usually clandestine, because criminals usually don't want to get caught

68. Much to his chagrin, she didn't remember him at all.

- 15 PD 302**

**Read the passage and answer the questions that follow.**

Government aid is urgently needed to help cities build all kinds of waste-treating facilities. Above all, man should strive to contain natural decay by "recycling" or "re-using" as much waste as possible. Magnetic extractors in incinerators could do an excellent service by using materials that disappear fast. The perfect container is the edible ice-cream cone.

To cut air pollution, a Japanese process can be used to convert ash into cinder blocks. Recovering waste at the source is almost always cheaper than clearing it later. Take sulphur, for example, which is in short supply round the world. Waste sulphur dioxide belched from smokestacks could be trapped in the stack and converted to sulphuric acid or even fertiliser.

We can be sure that just as technology has polluted the land, it can also depollute it. The real question is whether enough people want to take action. The trouble with modern man is that he tends to be bored by the news that pesticides are threatening remote penguins or pelicans. The false assumption that nature exists only to serve man is the root of an ecological crisis – a crisis that ranges from the lowly litter-bug to the madness of nuclear proliferation. At this hour, man's only choice is to live in harmony with nature, not conquer it.

69. The best way man can solve pollution is to \_\_\_\_\_
- (A) make very long-lasting containers for goods
  - (B) burn as much as possible
  - (C) re-use as much waste as possible
  - (D) dump wastes into the sea
70. An edible ice-cream cone is the perfect container because \_\_\_\_\_
- (A) it has a pleasant taste
  - (B) it can be completely used
  - (C) it can be used again and again
  - (D) of its cone shape
71. It is usually cheaper to \_\_\_\_\_
- (A) recover waste at source
  - (B) recover waste after the product has been used
  - (C) reduce incineration
  - (D) use mechanical devices for conserving waste

72. A suitable title for the passage would be  
(A) Waste Treatment (B) Air Pollution  
(C) Depollution (D) In Harmony with Nature
73. The writer of the article could be \_\_\_\_\_  
(A) a journalist (B) an environmentalist  
(C) a technologist (D) a biologist

**Choose the antonym of the underlined word :**

74. He was asked to accelerate the pace of work.  
(A) Supervise (B) Slacken (C) Control (D) Check
75. We had a delectable meal yesterday.  
(A) Heavy (B) Unsavory (C) Tasty (D) Nice
76. His short but pointed speech was applauded by all sections of the audience.  
(A) Disapproved (B) Misunderstood  
(C) Praised (D) Welcomed
77. According to a great philosopher magnanimity in a man implies many other qualities.  
(A) enmity (B) meanness (C) jealousy (D) poverty
78. Despair  
(A) Loss (B) Hope (C) Cataclysm (D) Guilt
79. Gloom  
(A) Dejection (B) Glee (C) Delicate (D) Amiable
80. Surplus  
(A) Shortage (B) Criticism  
(C) Heated argument (D) Victory



## ROUGH WORK

3

14

17

17

1

3

5

50

15



ROUGH WORK

SEAL