

UGC NET SOCIOLOGY MODEL QUESTION PAPER

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UGC NET Sociology Model Question Paper

The University Grants Commission National Eligibility Test (UGC NET) is a national-level entrance exam conducted to determine candidates' eligibility for Assistant Professor and Junior Research Fellowship positions in Indian universities and colleges. The exam consists of three papers, one of which is Paper II, which covers Sociology. To assist candidates in their preparation, here is a model question paper with questions and answers.

Section A: Indian Sociology

1. **Question:** Discuss the contributions of M.N. Srinivas to the study of caste in India. **Answer:** M.N. Srinivas expanded the concept of caste by identifying multiple dimensions, such as hierarchy, ritual status, and occupation. He emphasized the importance of social mobility and Sanskritization processes within the caste system.
2. **Question:** Critically examine the concept of "sanskritization" in Indian sociology. **Answer:** Sanskritization refers to the process by which lower castes adopt cultural practices and rituals of higher castes to enhance their social status. It can contribute to social change and upward mobility but also reinforce caste inequalities.

Section B: Sociological Theory and Methods

1. **Question:** Explain the core principles of functionalism in sociology. **Answer:** Functionalism views society as an integrated whole where each part contributes to the overall functioning. It emphasizes the importance of social order, stability, and equilibrium.
2. **Question:** Discuss the strengths and limitations of participant observation as a research method in sociology. **Answer:** Participant observation involves researchers immersing themselves in a social setting. While it provides rich insights and firsthand experiences, it can pose challenges in maintaining objectivity and potential for bias.

Section C: Social Institutions and Dynamics

1. **Question:** Analyze the factors influencing social mobility in India. **Answer:** Social mobility in India is influenced by factors such as caste, class, gender, education, and occupation. It has witnessed some changes but remains largely influenced by structural inequalities.
2. **Question:** Discuss the impact of globalization on family structures and relationships. **Answer:** Globalization has led to increased migration, resulting in transnational families and the blending of diverse cultural practices. It has also influenced family roles, responsibilities, and dynamics.

What is the torque on a 2007 dt466 head bolt? Torque on the DT 466 is 110, 155 and 165.

Where do I find torque specs for my car? Where To Find The Correct Manufacturer Recommended Torque Specs. The torque specs for the axle nut (and other nuts and bolts) should be listed in the dealership/shop guide provided by the manufacturer. If you can't find that information, or if you don't have a guide, you can find the specs in the service manual.

What is a torque specification? By definition, torque refers to the amount of rotational force at the point of application. When attaching a wheel to a vehicle, torque specifications are the amount of force recommended on the hardware to ensure proper installation. Following exact torque specifications matters for a number of reasons.

How do you determine torque specs?

How much torque does a DT466 have? Horsepower and Torque Ratings Here are some general ratings for each version: DT466: 145-260 horsepower, 380-800 lb-ft of torque. DT466P: 175-230 horsepower, 520-620 lb-ft of torque. DT466E: 175-300 horsepower, 460-860 lb-ft of torque.

How much should I torque a bolt?

What is standard car torque? Engines in mainstream cars and trucks typically generate 100 to 400 lb. -ft of torque. That torque is created by the pistons within an engine as they reciprocate up and down on the engine's crankshaft, causing it to rotate (or twist), continuously.

Where is the torque spec? Torque specs are published in service manuals. When a torque spec is not listed every bolt of a said size and strength has a general torque to value as well as a yield range.

What is torque in car specification? Simply put, torque is a measurement of your car's ability to do work. So, the more torque, the greater amount of power an engine can produce. If your engine has a lot of torque, your car can accelerate more quickly when the vehicle is beginning to start.

How to set torque specs? There are no universal rules for torque settings on vehicles. Twist the top dial on the handle to make precise adjustments. Once you're close to the desired number, look at the numbers on the top dial of the handle. Slowly turn the dial clockwise to increase the number or rotate it counterclockwise to lower the number.

How to confirm torque? Mark the tightened fastener and surrounding application. In the tightening direction, begin to slowly apply force to the tool until the first

movement in the fastener is noted. The reading recorded is a good indication of the original torque applied to the joint. This is the best way to determine residual torque.

What is ideal torque? There is no single, standardized measure for what is considered good torque in cars, trucks, or SUVs. Larger, heavier vehicles need more torque than smaller, lighter alternatives. Most new vehicles offer between 100 lb-ft and 400 lb-ft of torque.

How do I find the torque of my car? When you choose torque, this calculator will measure the approximate torque of an engine based on the horsepower, multiplied by 5,252 (conversion between foot-pounds and horsepower), divided by the RPM of the engine. For example, if your engine has 350 horsepower then the torque would be 367 foot-pounds, at 5,000 RPM.

How do I calculate how much torque I need? To calculate load torque, multiply the force (F) by the distance away from the rotational axis, which is the radius of the pulley (r). If the mass of the load (blue box) is 20 Newtons, and the radius of the pulley is 5 cm away, then the required torque for the application is $20 \text{ N} \times 0.05 \text{ m} = 1 \text{ Nm}$.

How do you read car torque? The units for torque are newton-meters (Nm) or pound-feet (lb-ft). Newton (or pound) stands for the force that is acting, while meters (or feet) stand for the length of the lever arm. Another name for torque that perhaps gives a clearer indication of its meaning is rotational force.

How much torque does a Nissan Navara have?

Do diesels have higher torque? The biggest difference between diesel and gasoline engines is in their torque output. Diesel engines have more torque than an equivalent gasoline engine. That extra torque can significantly affect a vehicle's performance, particularly when accelerating from a stop or climbing a hill.

How much torque does a 1.9 TDI have?

How to determine torque specs? The Torque/Tension Equation is a method used to estimate the torque/tension relationship in an assembly. $T = (K D P)/12$ can be used to develop a torque value that will achieve a certain tension or clamp load. T = Torque (ft. -lbs.)

How to calculate tightening torque?

How much engine torque is good? Typically, a car with a torque output of 200 Nm or greater is considered to have adequate torque, although this may vary depending on the vehicle and its intended purpose. For instance, a lightweight and aerodynamically designed sports car may have a lower torque output but still deliver good performance.

Is 140 Nm torque good? A "good" amount of torque can range anywhere from 200 to 700 Nm or more, but ultimately it is up to the manufacturer and buyer to determine what is best for their specific needs and preferences.

Is higher torque better for car? While torque measures the turning force produced by a vehicle's engine and the engine's ability to perform work, horsepower measures how fast the engine can perform the work. Therefore, high torque makes an engine accelerate faster from a stop, and high horsepower makes for higher top speed.

Which car has the highest torque?

What is the torque on the DT466 main cap? Main Cap Torque – 130 ft. lb.

What torque should cylinder head bolts be set at? For example, a 3 HP Briggs and Stratton engine required 15.5 or 16 ft-lbs of torque. Start at the center and work your way out. Diesel: The Y385 25 HP 1500 cc Diesel engine required 125 ft-lbs of torque.

What is the torque for 1zz Fe head bolts? Using a 10 mm bi-hexagon wrench, install and uniformly tighten the 10 cylinder head bolts and plate washers, in several passes, in the sequence shown. Torque: 49 Nm (500 kgf-cm, 36 ft. lbs.)

Should I re torque my head bolts? If they don't specifically tell you to retorque the head fasteners then don't. If you feel the need to retorque your head bolts or studs then follow the same pattern as you did when you initially torqued them down, do one at a time, and, especially with aluminum heads, we would advise doing it on a cool engine.

Where is the torque spec? Torque specs are published in service manuals. When a torque spec is not listed every bolt of a said size and strength has a general torque to value as well as a yield range.

What is the torque spec of the flywheel on a dt466e? The flywheel bolts are torqued to 110 ft lbs.

What is the max rpm for a DT466? The DT 466 should not be operated for extended periods above 2800 RPM, it is hard on the bearings.

How do you set correct torque? Hold the body of the wrench with your nondominant hand so it doesn't move around. Use your dominant hand to turn the handle clockwise to increase the torque or counterclockwise to lower it. Once the top edge of the handle lines up with the horizontal hash mark closest to the torque you need, stop turning the handle.

What is the torque setting for the Toyota Avanza 1.5 engine? The Avanza has all the performance and power you need to keep your family and your business on the move. The 1.3 litre engine has 71 kW of power at 6000 r/min and delivers torque of 121 Nm at 4200 r/min, while the 1.5 litre has 77 kW of power at 6000 r/min and delivers torque of 136 Nm at 4200 r/min.

What is the torque for a head gasket? All you have to do is torque the standard head studs down to 42-45lb ft (a generous lee-way there I feel), DRY. That's no lubrication on nuts, washers, or studs. ALL torque settings in the manuals are quoted with the relevant threads DRY. And that's the way they're done at the factory.

What is the torque specification for the 1NZ engine? 1NZ-FE Turbo Output is 105–112 kW (143–152 PS; 141–150 hp) at 6000 rpm with 196–206 N·m (145–152 lb·ft; 20–21 kg·m) of torque at 4000–4800 rpm. The redline is 6400 rpm.

What is the difference between 1ZZ and 2ZZ? The two 1.8 L members of the family, the 1ZZ and 2ZZ, use different bore and stroke. The former was optimised for economy, with torque emphasised in lower revolutions per minute operating range, while the latter is a "square" design optimised for high-RPM torque, yielding higher peak power.

What is the torque of a 3406 head bolt?

What is the average for head bolt torque? They should be torqued to 60NM, +90, +90 degrees on a cold engine.

How to properly torque head bolts?

Should head bolts be lubricated?

Service M47 320d: Frequently Asked Questions and Answers

1. What is the service interval for a BMW M47 320d engine?

The standard service interval for a BMW M47 320d engine is 12,500 miles or 12 months, whichever comes first. However, it is recommended to consult your vehicle's owner's manual for specific service intervals based on your driving conditions.

2. What services are included in a standard service for a BMW M47 320d?

A standard service for a BMW M47 320d typically includes an oil change, oil filter replacement, air filter replacement, brake fluid flush, and a visual inspection of all major components. The specific services may vary slightly depending on the model and age of the vehicle.

3. How much does it cost to service a BMW M47 320d?

The cost of servicing a BMW M47 320d can vary depending on the specific services required, the location of the service center, and the labor rates. On average, a standard service can cost between \$200 and \$400.

4. What are the signs that my BMW M47 320d needs to be serviced?

Common signs that your BMW M47 320d may need to be serviced include:

- Reduced engine performance
- Increased fuel consumption
- Noises or vibrations
- Warning lights on the dashboard

5. Is it important to service my BMW M47 320d on time?

Yes, it is crucial to service your BMW M47 320d engine on time to maintain its performance, reliability, and fuel efficiency. Regular servicing can also help to identify and address any potential issues early on, preventing costly repairs in the future.

World Geography Textbook: 9th Grade Questions and Answers

Paragraph 1:

- **Question:** What is the name of the northernmost continent?
- **Answer:** North America
- **Question:** Which ocean separates North America from Europe?
- **Answer:** Atlantic Ocean

Paragraph 2:

- **Question:** Which country is the largest in the world by land area?
- **Answer:** Russia
- **Question:** Which river is known as the "Mother River" of China?
- **Answer:** Yangtze River

Paragraph 3:

- **Question:** Which continent is known for its vast deserts?

- **Answer:** Africa
- **Question:** Which mountain range is the highest in the world?
- **Answer:** Himalayas

Paragraph 4:

- **Question:** Which country is the smallest in the world by land area?
- **Answer:** Vatican City
- **Question:** Which ocean is located to the west of North America?
- **Answer:** Pacific Ocean

Paragraph 5:

- **Question:** Which physical feature separates the Western Hemisphere from the Eastern Hemisphere?
- **Answer:** Prime Meridian
- **Question:** Which continent is known as the "Land Down Under"?
- **Answer:** Australia

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